

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft)	
Weather Clear- Warm	Temperature (°F)	Road Condition Good	Hole Condition Good	
Operations at Report Time Running 9 5/8" surface csg.		Operations Next Report Period Cement surface csg - WOC - N/U BOP - drill to TD		
Operations Summary MI/RU Pense # 9. Spud surface hole @ 15:00 on 3-21-08. Drill 12.45" hole w/ air/foam/mist. TD surface hole -circ-run 9 5/8" surface csg.				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
10:00	15:00	5.00	5.00	01	Rig Up & Tear Down	MI/RU Pense Bros Drlg rig #9.
15:00	23:15	8.25	13.25	02	Drilling	Spud 12.45" surface hole w/air/foam/mist. Hole making water at base of cond csg. Drill w/ air/foam and hammer bit to 651'.
23:15	02:00	2.75	16.00	07	Condition and/or Circulate mud	Circulate hole w/ air/foam to clean.
02:00	02:45	0.75	16.75	09	Tripping Out	TOOH & LDDP & DC's to run surface csg.
02:45	06:00	3.25	20.00	15	Run Casing	Run 9 5/8" csg for surface

BHA #1, Surface

Bit Run Drill Bit 1	12.45in, <Model?>, <SN?>	Length (ft) 1.00	IADC Bit Dull -----	TFA (incl Noz) (in²)	BHA RO...
Nozzles (/32")	String Length (ft) 651.95		OD (in) 12.450		
String Components Air Hammer, Flat Bottom Perc Bit, Hammer, Drill Collar (Stab), Drill Collars, Drill Pipe					
Comment					

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	46.0	651.0	605.00				4	30				
Original Hole	651.0		605.00				4	30				

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 48,425.00	Cum Cost To Date 48,425.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB) 46.0	Depth End (ftKB) 651.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Pense Bros. Drlg., 9	
Contractor Pense Bros. Drlg.	Rig Number 9
Rig Supervisor Thomas B. Majors	Phone Mobile 307-752-2539

Pump Number	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
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Storm Cat Energy Daily Drilling Report

Report for: 3/22/2008
Report #: 2.0, DFS: 2.25
Depth Progress: 330.00

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft)	
Weather Clear - Cool	Temperature (°F)	Road Condition Good	Hole Condition Good	
Operations at Report Time TOOH w/ BHA # 2		Operations Next Report Period Move rig to Owens 1-18H & spud well.		
Operations Summary Cement surface csg - WOC - Cut csg - weld head - N/U BOP - test - drill				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	07:15	1.25	1.25	15	Run Casing	Run 9 5/8" csg - land @ 651.0'.
07:15	10:30	3.25	4.50	16	Cementing	R/U Superior Well Services. Start pumping pre-flush. Pump 60 bbls. S/D. Tear down pump. Repair. Back on hole. Mix and pump 135 sx Lead & 131 sx Tail. Did not drop plug. Displace w/ 44 bbls water. Circ 20 bbls cement to surface. S/D. WOC. R/D & release cementers.
10:30	16:30	6.00	10.50	19	Wait On Cement	WOC.
16:30	18:00	1.50	12.00	00	Undefined Status	Welder cut off conductor & surface pipe. Weld on 11" - 9 5/8" SOW. Test & heat treat.
18:00	22:00	4.00	16.00	21	Nipple Up /Nipple Down BOP Stack	Greene's nipple up crew set DSA flange & 9" - 3000# - Regan annular. Press test csg & annular to 1500# - hold 30 minutes w/ NO leak off. Test low pressure to 250#. Good test. Release testers.
22:00	00:00	2.00	18.00	00	Undefined Status	P/U blooie line & install. Change out hammer & bit for drilling. Start P/U of bha # 2.
00:00	01:00	1.00	19.00	08	Tripping In	TIH w/ BHA # 2 and drill pipe.
01:00	05:00	4.00	23.00	02	Drilling	TIH - tag cement in csg @ 600'. Drill out cement, insert float & float shoe. Drill new hole from 651' to 800' dusting. Hole wet @ 800'. Take water sample. Drill ahead w/ foam/air/mist to TD of well @ 981' (Pense # 9 KB).
05:00	06:00	1.00	24.00	09	Tripping Out	Blow hole clean. Take WLS @ 981' w/ 1 1/2 degrees. TOOH w/ drill string and lay down.

BHA #2, Production

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
2	8 7/8in, <Model?>, <SN?>	0.40	-----		
Nozzles (/32")		String Length (ft)		OD (in)	
		979.70		7.750	
String Components					
Air Hammer, Air Hammer, Drill Collar, Drill Collar, XO Sub, Drill Pipe					
Comment					

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	651.0	981.0	330.00				2	30				

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 43,475.00	Cum Cost To Date 91,900.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB) 651.0	Depth End (ftKB) 981.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	307-752-2539
Pense Bros. Drilg., 9	
Contractor Pense Bros. Drilg.	Rig Number 9
Rig Supervisor Thomas B. Majors	Phone Mobile 307-752-2539

Pump Number	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	



Storm Cat Energy Daily Drilling Report

Report for: 3/23/2008
Report #: 3.0, DFS: 3.25
Depth Progress: 0.00

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft)	
Weather Clear-Cool	Temperature (°F)	Road Condition Good	Hole Condition Good	
Operations at Report Time W/O Union Drlg # 32			Operations Next Report Period W/O Union Drlg Rig # 3	
Operations Summary TIH w/ RR mill tooth bit & DP to 978'. Displace hole w/drlg mud. TOO. Run open hole logs w/Schlumberger. RDMO Pense Rig #9.				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	07:00	1.00	1.00	08	Tripping In	TIH w/ 8 3/4" RR mill tooth bit to 978'KB.
07:00	08:00	1.00	2.00	07	Condition and/or Circulate mud	Displace hole w/drlg mud for logs
08:00	09:00	1.00	3.00	09	Tripping Out	TOOH & LDDP & DC's
09:00	12:00	3.00	6.00	14	Wireline Logs	R/U Halliburton - run open hole logs (Platform Express & dipmeter)
12:00	13:00	1.00	7.00	14	Wireline Logs	R/D & release loggers
13:00	14:30	1.50	8.50	01	Rig Up & Tear Down	RDMO Pense Bros Rig # 9.

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
Nozzles (/32")	String Length (ft)		OD (in)		

String Components

Comment

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 44,575.00	Cum Cost To Date 105,925.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB) 981.0	Depth End (ftKB) 981.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	307-752-2539
Pense Bros. Drlg., 9	
Contractor Pense Bros. Drlg.	Rig Number 9
Rig Supervisor Thomas B. Majors	Phone Mobile 307-752-2539

Pump Number	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
Pres (psi)	Slow Spd No	Strokes (s... Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
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Well Name: Ballard 1-18H

API/UWI 03-141-10356		Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL		County Van Buren		State/Province Arkansas		Field Name B-43				
Spud Date 3/21/2008		Completion Date		Ground Elevation (ft) 1,682.00		KB-Ground Distance (ft) 15.00						
Weather Warm		Temperature (°F) 60.0		Road Condition Dry		Hole Condition						
Operations at Report Time MI/RU UDI # 32				Operations Next Report Period								
Operations Summary Start MI/RU of UDI # 32.												
Time Log												
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment						
06:00	20:00	14.00	14.00	01	Rig Up & Tear Down	MI/RU Union Drlg Rig # 32						
Bit Run												
Drill Bit	Length (ft)			IADC Bit Dull		TFA (incl Noz) (in²)		BHA RO...				
Nozzles (/32")				String Length (ft)		OD (in)						
String Components												
Comment												
Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Kicks												
Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes								Ops In Prog	
Logs												
Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company		Run No.	Comment					
3/23/...	Dipmeter	0.0	985.0	Halliburton		2						
3/23/...	Platform Express	0.0	985.0	Halliburton		1	Logged for correlation for KOP					
Formations												
Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source		Comment						

AFE Number USA08004		Total AFE Amount	
Daily Cost Total 41,910.00		Cum Cost To Date 41,910.00	
Daily Mud Cost		Mud Cum To Date	
Depth Start (ftKB)		Depth End (ftKB)	
Target Formation Fayetteville Shale		Target Depth (ftKB) 6,488.0	
Last Casing String Surface, 651.0ftKB			
Daily Contacts			
Job Contact		Mobile	
Union Drlg, 32			
Contractor Union Drlg		Rig Number 32	
Rig Supervisor Thomas B. Majors		Phone Mobile	
1, Continental-Emsco, F-800			
Pump Number 1	Pwr (hp) 800.0	Rod Dia (in)	
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)	
Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
2, Continental-Emsco, F-800			
Pump Number 2	Pwr (hp) 800.0	Rod Dia (in)	
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)	
Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
Wellbores			
Wellbore Name Original Hole		Kick Off Depth (ftKB)	



Storm Cat Energy Daily Drilling Report

Report for: 3/27/2008
Report #: 2.0, DFS: -2.75
Depth Progress:

Well Name: Ballard 1-18H

API/UWI 03-141-10356		Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL		County Van Buren		State/Province Arkansas		Field Name B-43				
Spud Date 3/21/2008		Completion Date		Ground Elevation (ft) 1,682.00		KB-Ground Distance (ft) 15.00						
Weather Warm		Temperature (°F) 75.0		Road Condition Dry		Hole Condition						
Operations at Report Time MI/RU UDI # 32				Operations Next Report Period								
Operations Summary Continue MI/RU of UDI # 32												
Time Log												
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment						
06:00	06:00	24.00	24.00	01	Rig Up & Tear Down	Continue MI/RU of UDI Rig # 32						
Bit Run												
Drill Bit	Length (ft)			IADC Bit Dull		TFA (incl Noz) (in²)		BHA RO...				
Nozzles (/32")			String Length (ft)		OD (in)							
String Components												
Comment												
Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Kicks												
Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes							Ops In Prog		
Logs												
Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company		Run No.	Comment					
3/23/...	Dipmeter	0.0	985.0	Halliburton		2						
3/23/...	Platform Express	0.0	985.0	Halliburton		1	Logged for correlation for KOP					
Formations												
Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source		Comment						

AFE Number USA08004		Total AFE Amount	
Daily Cost Total 22,430.00		Cum Cost To Date 64,340.00	
Daily Mud Cost		Mud Cum To Date	
Depth Start (ftKB)		Depth End (ftKB)	
Target Formation Fayetteville Shale		Target Depth (ftKB) 6,488.0	
Last Casing String Surface, 651.0ftKB			
Daily Contacts			
Job Contact		Mobile	
Union Drlg, 32			
Contractor Union Drlg		Rig Number 32	
Rig Supervisor Thomas B. Majors		Phone Mobile	
1, Continental-Emsco, F-800			
Pump Number 1	Pwr (hp) 800.0	Rod Dia (in)	
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)	
Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
2, Continental-Emsco, F-800			
Pump Number 2	Pwr (hp) 800.0	Rod Dia (in)	
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)	
Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
Wellbores			
Wellbore Name Original Hole		Kick Off Depth (ftKB)	

Well Name: Ballard 1-18H

API/UWI 03-141-10356		Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL		County Van Buren		State/Province Arkansas		Field Name B-43																									
Spud Date 3/21/2008		Completion Date		Ground Elevation (ft) 1,682.00		KB-Ground Distance (ft) 15.00																											
Weather		Temperature (°F)		Road Condition Dry		Hole Condition																											
Operations at Report Time R/U & test BOP's				Operations Next Report Period																													
Operations Summary R/U - Nipple up BOP's - Test BOP																																	
Time Log																																	
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment																											
06:00	06:00	24.00	24.00	21	Nipple Up /Nipple Down BOP Stack	Nipple up BOP - repair hyd leaks - Test BOP - annular failed - work on annular - continue R/U																											
<table border="1"> <tr> <td>Bit Run</td> <td>Drill Bit</td> <td>Length (ft)</td> <td>IADC Bit Dull</td> <td>TFA (incl Noz) (in²)</td> <td>BHA RO...</td> </tr> <tr> <td colspan="2">Nozzles (/32")</td> <td colspan="2">String Length (ft)</td> <td colspan="2">OD (in)</td> </tr> <tr> <td colspan="6">String Components</td> </tr> <tr> <td colspan="6">Comment</td> </tr> </table>										Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...	Nozzles (/32")		String Length (ft)		OD (in)		String Components						Comment					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...																												
Nozzles (/32")		String Length (ft)		OD (in)																													
String Components																																	
Comment																																	
Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq																					
Kicks																																	
Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes								Ops In Prog																						
Logs																																	
Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment																											
3/23/...	Dipmeter	0.0	985.0	Halliburton	2																												
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP																											
Formations																																	
Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment																												

AFE Number USA08004		Total AFE Amount	
Daily Cost Total 25,530.00		Cum Cost To Date 89,870.00	
Daily Mud Cost		Mud Cum To Date	
Depth Start (ftKB)		Depth End (ftKB)	
Target Formation Fayetteville Shale		Target Depth (ftKB) 6,488.0	
Last Casing String Surface, 651.0ftKB			
Daily Contacts			
Job Contact		Mobile	
Union Drlg, 32			
Contractor Union Drlg		Rig Number 32	
Rig Supervisor Thomas B. Majors		Phone Mobile	
1, Continental-Emsco, F-800			
Pump Number 1	Pwr (hp) 800.0	Rod Dia (in)	
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...	
Pres (psi)	Slow Spd No	Strokes (s...	Eff (%)
2, Continental-Emsco, F-800			
Pump Number 2	Pwr (hp) 800.0	Rod Dia (in)	
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...	
Pres (psi)	Slow Spd No	Strokes (s...	Eff (%)
Wellbores			
Wellbore Name Original Hole		Kick Off Depth (ftKB)	

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
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Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00
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Weather Rain	Temperature (°F) 45.0	Road Condition Wet	Hole Condition
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Operations at Report Time P/U bit & BHA for wiper run	Operations Next Report Period
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Operations Summary Wash & set rat hole - P/U bit & BHA for wiper run

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	18:00	12.00	12.00	22	Test BOP	Test annular - kelly valve - TIW - stand pipe - pump lines
18:00	01:00	7.00	19.00	00	Undefined Status	Attempt to clean out rat hole - P/U Schlumberger motor & 8 3/4" mill tooth bit - clean out rat hole - L/D tools - set rat hole
01:00	02:00	1.00	20.00	00	Undefined Status	Attempt to set wear bushing in well head
02:00	06:00	4.00	24.00	08	Tripping In	P/U BHA # 1 & start TIH

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
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Nozzles (/32")	String Length (ft)	OD (in)
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String Components

Comment

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
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Daily Cost Total 19,380.00	Cum Cost To Date 109,250.00
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Daily Mud Cost	Mud Cum To Date
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Depth Start (ftKB)	Depth End (ftKB)
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Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
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Last Casing String Surface, 651.0ftKB
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Daily Contacts

Job Contact	Mobile
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Union Drlg, 32

Contractor Union Drlg	Rig Number 32
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Rig Supervisor Thomas B. Majors	Phone Mobile
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1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in)
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Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
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Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in)
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Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
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Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
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Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Rain/Fog	Temperature (°F) 55.0	Road Condition Wet	Hole Condition	
Operations at Report Time			Operations Next Report Period	

Operations Summary

P/U BHA # 1 - TIH tag btm @ 685' - circulate hole & condition mud - TOO H - P/U Schlumberger kick off tools

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	07:00	1.00	1.00	08	Tripping In	P/U BHA # 1
07:00	08:00	1.00	2.00	28	Wait on Weather	S/D - W/O lightning storm to pass
08:00	12:30	4.50	6.50	08	Tripping In	P/U HwtDP & TIH
12:30	13:00	0.50	7.00	00	Undefined Status	Set rotating head & drive bushing on kelly
13:00	13:30	0.50	7.50	07	Condition and/or Circulate mud	Break circ - tag btm @ 985.83'
13:30	18:30	5.00	12.50	07	Condition and/or Circulate mud	Circulate hole - adjust shakers. Shakers clogged w/ LCM & white plastic (?). Unsure as to origin. Circ hole & pits to clean up.
18:30	21:00	2.50	15.00	09	Tripping Out	TOOH - L/D 4 HwtDP, 1DC, & 2 subs
21:00	01:00	4.00	19.00	08	Tripping In	P/U Schlumberger tools for curve bldg
01:00	01:30	0.50	19.50	22	Test BOP	Function test BOP
01:30	02:00	0.50	20.00	11	Rig Repair	Rig repair - replace make-up line
02:00	06:00	4.00	24.00	08	Tripping In	Continue TIH - MWD ops - wash to bottom @ 985'

BHA #2, BHA # 2

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
2	8 3/4in, GX-30M, 5140705	0.75	-----		
Nozzles (/32")	String Length (ft)	OD (in)			
	979.75	6.750			

String Components

Baker Hughes GX-30M, Mud Motor - Bent Housing, Noortrac IBS, XO Sub Dbl Pin, MWD - Gap Collar, NMDC, NMDC Flex Collar, NMDC Flex Collar, HWDP

Comment

P/U Schlumberger curve bldg tools

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	985.0	985.0							1,030.0			

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 44,297.00	Cum Cost To Date 153,547.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB) 985.0	Depth End (ftKB) 985.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor Thomas B. Majors	Phone Mobile

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in)
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in)
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
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Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Rain-Fog	Temperature (°F) 50.0	Road Condition Wet	Hole Condition Total Loss Circ	
Operations at Report Time Spotting LCM pill in hole		Operations Next Report Period Heal loss circ - drill curve		
Operations Summary TIH - drill 2' - orient tools - drill curve (slide) - slide/rotate to 105' - total loss circ - spot LCM				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	08:30	2.50	2.50	07	Condition and/or Circulate mud	Circ hole - condition - check Schlumberger tools - R/U Wildcat Auto driller (TOTCO)
08:30	13:30	5.00	7.50	02	Drilling	Rotary drill 985 to 987. Orient bit - slide drill w/ Schlumberger 1.83 bent motor - slide 987' to 1080'.
13:30	14:30	1.00	8.50	2	Drilling	Rotate drill from 1080' to 1090'.
14:30	15:30	1.00	9.50	2	Drilling	Slide drill from 1090' to 1105'. Total loss of circulation.
15:30	23:00	7.50	17.00	07	Condition and/or Circulate mud	P/U kelly - clear table - S/D. Mix LCM & spot. No returns. Mix 2nd pill. Pump returns - then lost again. Pull 6 stands & S/D. Mixing LCM pill.
23:00	23:30	0.50	17.50	7	Condition and/or Circulate mud	Attempt to circulate at bas of surface pipe - no returns.
23:30	03:00	3.50	21.00	7	Condition and/or Circulate mud	Mix & spot LCM pill at base of surface - S/D & wait 2 hrs
03:00	03:30	0.50	21.50	7	Condition and/or Circulate mud	Circulate - recover LCM - continue to lose mud. S/D pump.
03:30	04:30	1.00	22.50	08	Tripping In	Run in hole w/ 6 stands from derrick. Kelly up.
04:30	06:00	1.50	24.00	07	Condition and/or Circulate mud	Mix LCM pill & spot @ 1095'. Pull up off bttom - clear rotary table w/ bushings - S/D.

BHA #2, BHA #2

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
2	8 3/4in, GX-30M, 5140705	0.75	-----		
Nozzles (/32")		String Length (ft)		OD (in)	
		1,104.75		6.750	
String Components					
Baker Hughes GX-30M, Mud Motor - Bent Housing, Noortrac IBS, XO Sub Dbl Pin, MWD - Gap Collar, NMDC, NMDC Flex Collar, NMDC Flex Collar, HWDP, Drill Pipe					
Comment					
P/U Schlumberger curve bldg tools					

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	985.0	1,105.0	120.00			314	1	25	1,030.0		72,000	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 57,546.00	Cum Cost To Date 211,093.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB) 985.0	Depth End (ftKB) 1,105.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor Thomas B. Majors	Phone Mobile

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in)
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in)
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
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Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear - Cool	Temperature (°F) 60.0	Road Condition Wet	Hole Condition Seepage	
Operations at Report Time Drill/Slide in curve		Operations Next Report Period Drill/slide in curve - TOO H for gauge of bit - work on loss circ		
Operations Summary W/O LCM - circ well @ 68 spm - mix mud/LCM - circulate - drill/slide to 1190'				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	08:30	2.50	2.50	07	Condition and/or Circulate mud	Mix & pump LCM pill for loss circ - W/O pill in hole
08:30	09:00	0.50	3.00	10	Lubricate Rig	Daily rig service
09:00	11:30	2.50	5.50	07	Condition and/or Circulate mud	Wait on pill - mix LCM - condition mud
11:30	20:30	9.00	14.50	7	Condition and/or Circulate mud	Build pit volume - 50 bbls/time - add to working pits to build volume
20:30	21:30	1.00	15.50	7	Condition and/or Circulate mud	Pump pill and spot - W/O pill
21:30	06:00	8.50	24.00	02	Drilling	Drill ahead - slide/rotate - monitor mud loss - add LCM sweep hourly - drill in curve @ 1190'

BHA #2, BHA #2

Bit Run 2	Drill Bit 8 3/4in, GX-30M, 5140705	Length (ft) 0.75	IADC Bit Dull -----	TFA (incl Noz) (in²) 0.59	BHA RO... 24.1
Nozzles (/32") 16/16/16		String Length (ft) 1,190.75		OD (in) 6.750	

String Components

Baker Hughes GX-30M, Mud Motor - Bent Housing, Noortrac IBS, XO Sub Dbl Pin, MWD - Gap Collar, NMDC, NMDC Flex Collar, NMDC Flex Collar, HWDP, Drill Pipe

Comment

P/U Schlumberger curve bldg tools

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	1,105.0	1,190.0	205.00	8.50	10.0	314	30	25	1,291.0		75	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 67,800.00	Cum Cost To Date 282,143.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB) 1,105.0	Depth End (ftKB) 1,190.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	
Union Drilg, 32	
Contractor Union Drilg	Rig Number 32
Rig Supervisor Thomas B. Majors	Phone Mobile

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 3.140
Pres (psi)	Slow Spd No	Strokes (s... Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 3.140
Pres (psi)	Slow Spd No	Strokes (s... Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Cool - Lgt Rain-Fog	Temperature (°F) 50.0	Road Condition Wet	Hole Condition Seepage	
Operations at Report Time Out of hole - W/O replace # 1 mud pump		Operations Next Report Period Replace Pump # 1 - make wiper run & check pump output		
Operations Summary Drill/slide ahead to 1361' - cont to have seepage & loss of mud - circ to cond mud				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	08:30	2.50	2.50	02	Drilling	Drill slide/rotate w/ curve assy from 1190' to 1271'
08:30	09:00	0.50	3.00	07	Condition and/or Circulate mud	Circ - clean trough @ shakers
09:00	11:00	2.00	5.00	02	Drilling	Drill slide/rotate from 1271' to 1344'
11:00	12:00	1.00	6.00	11	Rig Repair	Repair table lock
12:00	16:00	4.00	10.00	02	Drilling	Drill slide/rotate from 1344' to 1361'
16:00	17:00	1.00	11.00	07	Condition and/or Circulate mud	Build LCM pill - circ - spot pill
17:00	19:30	2.50	13.50	09	Tripping Out	TOOH to check bit gauge & replace Pump # 1
19:30	20:00	0.50	14.00	22	Test BOP	Function test BOP
20:00	20:30	0.50	14.50	00	Undefined Status	Make up bit for drlg curve
20:30	21:00	0.50	15.00	10	Lubricate Rig	Daily rig service
21:00	06:00	9.00	24.00	00	Undefined Status	On rig time - out of hole - W/O replacement Pump # 1

BHA #2, BHA # 2

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
2	8 3/4in, MX-30G , 5140705	0.75	2-4-WT-A-E-0-FC-BHA	0.59	22.1
Nozzles (/32")	String Length (ft)	OD (in)			
16/16/16	1,376.21	6.750			

String Components

Hughes MX-30G , Mud Motor - Bent Housing, Noortrac IBS, XO Sub Dbl Pin, MWD - Gap Collar, NMDC, NMDC Flex Collar, NMDC Flex Collar, HWDP, Drill Pipe

Comment

P/U Schlumberger curve bldg tools

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	1,190.0	1,361.0	376.00	17.00	20.1	314	30	30	1,420.0		75	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 70,880.00	Cum Cost To Date 353,023.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB) 1,190.0	Depth End (ftKB) 1,361.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor Thomas B. Majors	Phone Mobile

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 3.140
Pres (psi)	Slow Spd No	Strokes (s... Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 3.140
Pres (psi)	Slow Spd No	Strokes (s... Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Cool-Rain-Fog	Temperature (°F) 50.0	Road Condition Wet	Hole Condition Seepage	
Operations at Report Time TIH to check pump performance		Operations Next Report Period Check pump perform		
Operations Summary W/O mud pump - change out Pump # 1 - Replace Pump # 1 - S/D for lightning storm - P/U 6pt reamer & TIH				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	06:00	24.00	24.00	00	Undefined Status	Rig on UDI time waiting on new mud pump. Replace Pump # 1 - P/U 6pt reamer - TIH to check pump performance

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
Nozzles (/32")		String Length (ft)		OD (in)	
String Components					
Comment					

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 32,030.00	Cum Cost To Date 346,436.00
Daily Mud Cost	Mud Cum To Date 15,908.20
Depth Start (ftKB) 1,361.0	Depth End (ftKB) 1,361.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	
David Majors	

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor Thomas B. Majors	Phone Mobile

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Cloudy, Fog	Temperature (°F) 45.0	Road Condition Wet	Hole Condition Seepage	
Operations at Report Time Drill/Slide in curve		Operations Next Report Period Drill/Slide in curve		
Operations Summary TIH 7 stds hwdp, 3 stds dp, P/u 9 jts dp, Kelly up to check #1 mud pump, P/u 3 jts dp, Ream f/ 960' to bottom, TOOH, L/d reamer, P/u dir. tools, Check all conn, TIH, TOOH 6 stds, Wait on mwd tools, TIH 6 stds, Drlg. f/ 1360 - 1407				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	06:30	0.50	0.50	08	Tripping In	TIH 7 stds hwdp, 3 stds dp
06:30	08:00	1.50	2.00	08	Tripping In	P/u 9 jts dp
08:00	08:30	0.50	2.50	00	Undefined Status	Kelly up to check #1 mud pump
08:30	09:00	0.50	3.00	08	Tripping In	P/u 3 jts. dp
09:00	13:00	4.00	7.00	04	Reaming	Wash/Ream f/ 960 - 1360
13:00	16:00	3.00	10.00	09	Tripping Out	TOOH, L/d 6 pt. reamer
16:00	18:00	2.00	12.00	08	Tripping In	P/u dir. tools, Check all conn.
18:00	21:00	3.00	15.00	08	Tripping In	TIH
21:00	22:00	1.00	16.00	09	Tripping Out	TOOH 6 stds, MWD tools not tracking
22:00	00:00	2.00	18.00	07	Condition and/or Circulate mud	Circ/Cond - Wait on MWD tools
00:00	01:00	1.00	19.00	08	Tripping In	TIH 6 stds to bottom
01:00	06:00	5.00	24.00	25	Directional Work	Drill/Slide f/ 1360' - 1407'

BHA #4, BHA #4

Bit Run 4	Drill Bit 8 3/4in, GX-20M, 5142304	Length (ft) 0.75	IADC Bit Dull -----	TFA (incl Noz) (in²) -----	BHA RO... 9.4
Nozzles (/32")	String Length (ft) 1,378.91	OD (in) 6.750			

String Components

Hughes GX-20M, Mud Motor - Bent Housing, Noortrac IBS, XO Sub Dbl Pin, MWD - Gap Collar, NMDC, NMDC Flex Collar, NMDC Flex Collar, Drill Pipe, HWDP

Comment

P/U Schlumberger curve bldg. tools

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	1,360.0	1,407.0	47.00	5.00	9.4	377	5	25	700.0	60	70	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 45,210.00	Cum Cost To Date 391,646.00
Daily Mud Cost	Mud Cum To Date 15,908.20
Depth Start (ftKB) 1,360.0	Depth End (ftKB) 1,407.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	
David Majors	

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Cloudy, Fog	Temperature (°F) 45.0	Road Condition Wet	Hole Condition Seepage	
Operations at Report Time Drill/Slide in curve		Operations Next Report Period Drill/Slide in curve		
Operations Summary Drig. f/ 1407-1482, TOO, Go thru mud pumps, TIH, Rig service, W/O charger pump f/ #2 mud pump, Change out charger pump #2 mud pump, P/U kelly and check pressures on both pumps (OK), TIH 2 stds dp, Check mwd, TIH, Wash/ream 40' to bottom, Drig. f/1478-1523 (slide as needed)				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	11:00	5.00	5.00	25	Directional Work	Drig. f/ 1407-1482 (slide as needed)
11:00	12:30	1.50	6.50	09	Tripping Out	TOOH
12:30	16:30	4.00	10.50	00	Undefined Status	Work on mud pumps
16:30	18:00	1.50	12.00	08	Tripping In	TIH to csg. shoe
18:00	18:30	0.50	12.50	10	Lubricate Rig	
18:30	00:30	6.00	18.50	11	Rig Repair	Wait on charger pump f/ #2 mud pump, Change out same
00:30	01:00	0.50	19.00	00	Undefined Status	P/u kelly and check pressures on both mud pumps (pressures were good)
01:00	03:00	2.00	21.00	08	Tripping In	TIH 2 stds, Check mwd tool, Finish TIH
03:00	03:30	0.50	21.50	04	Reaming	Wash/Ream 40' to bottom
03:30	06:00	2.50	24.00	02	Drilling	Drig. f/ 1482-1523 (slide as needed)

BHA #4, BHA # 4

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in ²)	BHA RO...
4	8 3/4in, GX-20M, 5142304	0.75	-----	0.59	13.0
Nozzles (/32")	String Length (ft)	OD (in)			
16/16/16	1,438.60	6.750			

String Components

Hughes GX-20M, Mud Motor - Bent Housing, Noortrac IBS, XO Sub Dbl Pin, MWD - Gap Collar, NMDC, NMDC Flex Collar, NMDC Flex Collar, Drill Pipe, HWDP

Comment

P/U Schlumberger curve bldg. tools

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	1,407.0	1,523.0	163.00	12.50	15.5	440	16	25	700.0	70	74	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 31,890.00	Cum Cost To Date 423,536.00
Daily Mud Cost	Mud Cum To Date 15,908.20
Depth Start (ftKB) 1,407.0	Depth End (ftKB) 1,523.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	
David Majors	

Union Drig, 32

Contractor Union Drig	Rig Number 32
Rig Supervisor David Majors	Phone Mobile

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 3.140

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 3.140

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Pt. Cloudy	Temperature (°F) 50.0	Road Condition Dry	Hole Condition Seepage	
Operations at Report Time Drill/Slide in curve		Operations Next Report Period TIH to start drlg. lateral section		
Operations Summary Drlg. f/ 1523-1525, Repair mud pumps, Logging, Drlg. f/1525-1638, Rig Service, Drlg. f/ 1638-1945				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	06:30	0.50	0.50	25	Directional Work	Drlg. f/ 1523-1525 (slide as needed)
06:30	08:00	1.50	2.00	11	Rig Repair	Repair mud pumps
08:00	09:00	1.00	3.00	07	Condition and/or Circulate mud	Logging repeat section
09:00	14:00	5.00	8.00	25	Directional Work	Drlg. f/ 1525-1638 (slide as needed)
14:00	14:30	0.50	8.50	10	Lubricate Rig	
14:30	06:00	15.50	24.00	25	Directional Work	Drlg. f 1638-1945 (slide as needed)

BHA #4, BHA # 4

Bit Run 4	Drill Bit 8 3/4in, GX-20M, 5142304	Length (ft) 0.75	IADC Bit Dull -----	TFA (incl Noz) (in²) 0.59	BHA RO... 17.5
Nozzles (/32") 16/16/16		String Length (ft) 1,438.60		OD (in) 6.750	

String Components

Hughes GX-20M, Mud Motor - Bent Housing, Noortrac IBS, XO Sub Dbl Pin, MWD - Gap Collar, NMDC, NMDC Flex Collar, NMDC Flex Collar, Drill Pipe, HWDP

Comment

P/U Schlumberger curve bldg. tools

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Leg 1	1,523.0	1,945.0	585.00	33.50	20.1	377	18	25	700.0	72	88	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 61,965.00	Cum Cost To Date 485,501.00
Daily Mud Cost 11,593.05	Mud Cum To Date 80,701.45
Depth Start (ftKB) 1,523.0	Depth End (ftKB) 1,945.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 3.140
Pres (psi)	Slow Spd No	Strokes (s... Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 3.140
Pres (psi)	Slow Spd No	Strokes (s... Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Pt. Cloudy	Temperature (°F) 50.0	Road Condition Dry	Hole Condition Seepage	
Operations at Report Time M/U Dir. tools, TIH		Operations Next Report Period Drill Leg 2 (horizontal section)		
Operations Summary Drlg. f/ 1945-2053, Rig service, Drlg. f/ 2053-2179, Circ/Cond, TOOH, Tight, Circ/Cond, TOOH, Work on shakers, P/u & test MWD tools				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	11:00	5.00	5.00	25	Directional Work	Drlg. f/ 1945-2053 (slide as needed)
11:00	11:30	0.50	5.50	10	Lubricate Rig	
11:30	16:00	4.50	10.00	25	Directional Work	Drlg. f/ 2053-2181
16:00	19:00	3.00	13.00	07	Condition and/or Circulate mud	Circ/Cond f/ TOO H to p/u new bha
19:00	20:00	1.00	14.00	09	Tripping Out	P/u 1 jt. dp - TOO H (tight)
20:00	21:00	1.00	15.00	07	Condition and/or Circulate mud	Circ/Cond, pick-up flow rate to 450 gpm
21:00	01:30	4.50	19.50	09	Tripping Out	TOO H, l/d dir. tools
01:30	04:00	2.50	22.00	00	Undefined Status	Welder here to get shakers level
04:00	06:00	2.00	24.00	08	Tripping In	Start p/u new dir. tools, TIH

BHA #4, BHA #4

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in ²)	BHA RO...
4	8 3/4in, GX-20M, 5142304	0.75	-----	0.59	19.1
Nozzles (/32")	String Length (ft)	OD (in)			
16/16/16	1,438.60	6.750			

String Components

Hughes GX-20M, Mud Motor - Bent Housing, Noortrac IBS, XO Sub Dbl Pin, MWD - Gap Collar, NMDC, NMDC Flex Collar, NMDC Flex Collar, Drill Pipe, HWDP

Comment

P/U Schlumberger curve bldg. tools

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Leg 1	1,945.0	2,181.0	821.00	43.00	24.8	377	32	30	800.0	75	88	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 33,167.00	Cum Cost To Date 518,668.00
Daily Mud Cost 1,272.05	Mud Cum To Date 81,973.50
Depth Start (ftKB) 1,945.0	Depth End (ftKB) 2,181.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 3.140
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 3.140
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Cloudy	Temperature (°F) 50.0	Road Condition Wet	Hole Condition Seepage	
Operations at Report Time Ream to bottom in build section		Operations Next Report Period TOOH f/ dir. tools		
Operations Summary Test mwd tool, Finish p/u bha, Rig repair(swivel), Test mwd, Rig repair(change pulsation dampner #1 pump), TIH, p/u 1 jt dp, Tight Hole, TOOH, stand back dir. tools, P/u bit, reamers, Wait on 6 pt. reamer, TIH 11 stds dp & 6 stds. hwdp, Start reaming @ 1096', Rig epair(#2 mud pump), Ream tight hole f/ 1124'-1162'				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	07:00	1.00	1.00	00	Undefined Status	Surface test mwd tools
07:00	08:18	1.30	2.30	08	Tripping In	Finish p/u bha
08:18	09:18	1.00	3.30	11	Rig Repair	Swivel
09:18	10:18	1.00	4.30	08	Tripping In	TIH 16 stds. to test mwd tools
10:18	10:48	0.50	4.80	00	Undefined Status	Test mwd tools
10:48	13:48	3.00	7.80	11	Rig Repair	Change pulsation dampner #1 pump
13:48	15:18	1.50	9.30	08	Tripping In	Strap & p/u dp, Hole tight 1st jt.
15:18	16:48	1.50	10.80	09	Tripping Out	TOOH, stand back dir. tools
16:48	17:18	0.50	11.30	08	Tripping In	P/u reamers & bit
17:18	21:48	4.50	15.80	00	Undefined Status	Wait on tools
21:48	02:48	5.00	20.80	08	Tripping In	TIH w/ reamer assembly
02:48	03:18	0.50	21.30	04	Reaming	P/u kelly - wash/ream f/ 1090'-1124'
03:18	03:48	0.50	21.80	11	Rig Repair	Work on #2 mud pump
03:48	05:48	2.00	23.80	04	Reaming	Reaming f/ 1124'-1162' (build mud volume in pits)

BHA #5, BHA #5

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
5	8 3/4in, GX-20M, 5142304	0.75	-----		
Nozzles (/32")	String Length (ft)	OD (in)			
	784.40	5.000			

String Components

Hughes GX-20M, Bit Sub w/Float, HWDP, XO Sub, Reamer - 6 Pt, XO Sub, Reamer - 3 Pt, HWDP, Reamer - 3 Pt, Drill Pipe, HWDP

Comment

P/u reamers to ream out build section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	2,181.0	2,181.0				377	2	70	400.0	55	58	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 21,180.00	Cum Cost To Date 539,848.00
Daily Mud Cost 14,360.05	Mud Cum To Date 96,333.55
Depth Start (ftKB) 2,181.0	Depth End (ftKB) 2,181.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014
Union Drlg, 32	
Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Thunderstorms	Temperature (°F) 55.0	Road Condition Wet	Hole Condition Seepage	
Operations at Report Time TIH w/ rotary steerable tools		Operations Next Report Period Drill lateral section		
Operations Summary Reaming f/1162' to 2179',Circ/Cond, TOO(slm), Standby(lighting), L/d reamer assembly, Standby(lighting), Finish l/d reaming bha, M/u bit & power drive, Reprogram mwd tool, TIH				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	17:00	11.00	11.00	04	Reaming	Reaming f/ 1162'-2179' (Tight @ 1150, 1548-1600, 2037
17:00	18:30	1.50	12.50	07	Condition and/or Circulate mud	
18:30	21:00	2.50	15.00	09	Tripping Out	TOOH to l/d reamer bha, (slm)
21:00	01:00	4.00	19.00	28	Wait on Weather	Shut down due to elec. storm
01:00	01:30	0.50	19.50	09	Tripping Out	Finish l/d reamers
01:30	03:00	1.50	21.00	28	Wait on Weather	Shut down due to elec. storm
03:00	05:00	2.00	23.00	08	Tripping In	M/u and reprogram rotary steerable system, TIH

BHA #5, BHA #5

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
5	8 3/4in, GX-20M, 5142304	0.75	-----		
Nozzles (/32")		String Length (ft)		OD (in)	
		784.40		5.000	
String Components					
Hughes GX-20M, Bit Sub w/Float, HWDP, XO Sub, Reamer - 6 Pt, XO Sub, Reamer - 3 Pt, HWDP, Reamer - 3 Pt, Drill Pipe, HWDP					
Comment					
Reamers came out full gauge					

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	2,181.0	2,181.0				502	2	70	1,235.0	65	70	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 56,887.00	Cum Cost To Date 596,735.00
Daily Mud Cost 5,782.25	Mud Cum To Date 102,115.80
Depth Start (ftKB) 2,181.0	Depth End (ftKB) 2,181.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014
Union Drlg, 32	
Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear	Temperature (°F) 50.0	Road Condition Wet	Hole Condition Good	
Operations at Report Time Drlg. horizontal section		Operations Next Report Period Drill lateral section		
Operations Summary TIH 17 stds dp, Test mwd, TIH w/ 14 jts. dp, 8 stds hwdp, L/d 17 jts. hwdp, TIH w/ 6 stds hwdp,Test mwd-log 90' to bottom, Drlg. f/ 2179-2346, Survey & Change shaker screens,Drlg. f/ 2346-2530, Rig repair,(Rad. hose on motor), Drlg. f/ 2530-2561				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	08:30	2.50	2.50	08	Tripping In	TIH w/ 17 stds dp
08:30	09:30	1.00	3.50	00	Undefined Status	Test mwd tools
09:30	11:30	2.00	5.50	08	Tripping In	TIH w/ 14 jts dp, 8 stds hwdp
11:30	13:30	2.00	7.50	09	Tripping Out	L/d 17 jts. hwdp to drill with
13:30	15:00	1.50	9.00	08	Tripping In	TIH w/ 6 stds hwdp
15:00	17:00	2.00	11.00	00	Undefined Status	Test mwd & log 90' to bottom
17:00	19:30	2.50	13.50	02	Drilling	Drlg. f/ 2179-2346
19:30	20:30	1.00	14.50	13	Deviation Survey	Survey & change shaker screens
20:30	00:00	3.50	18.00	02	Drilling	Drlg. f/ 2346-2530
00:00	05:00	5.00	23.00	11	Rig Repair	Blew radiator hose on rig motor
05:00	06:00	1.00	24.00	02	Drilling	Drlg. f/ 2530-2561

BHA #6, BHA #6

Bit Run 6	Drill Bit 8 3/4in, HC506ZX, 7119582	Length (ft) 0.75	IADC Bit Dull -----	TFA (incl Noz) (in²) 0.79	BHA RO... 54.6
Nozzles (/32") 10/10/11/11/11/11/11/10		String Length (ft) 2,038.41		OD (in) 6.750	

String Components

Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP

Comment

Drill horizontal section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	2,179.0	2,561.0	382.00	7.00	54.6	471	20	110	1,150.0	70	80	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 44,004.00	Cum Cost To Date 640,739.00
Daily Mud Cost 7,942.45	Mud Cum To Date 110,058.25
Depth Start (ftKB) 2,179.0	Depth End (ftKB) 2,561.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear	Temperature (°F) 45.0	Road Condition Dry	Hole Condition Good	
Operations at Report Time Rig repair, Change out drilling line			Operations Next Report Period Drill lateral section	
Operations Summary Drlg. f/ 2561-2518, Rig repair (mud pump, rotary chain), Drlg. f/2581-3036, Rig service, Drlg. f/ 3036-3061, Circ to TOOH f/ rig repair, TOOH to csg. shoe, W/o drilling line spool				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	08:30	2.50	2.50	25	Directional Work	Drlg. f/ 2561-2718
08:30	11:00	2.50	5.00	11	Rig Repair	Change pulsation dampner, rotary chain
11:00	16:00	5.00	10.00	25	Directional Work	Drlg. f/ 2718-3036
16:00	16:30	0.50	10.50	10	Lubricate Rig	
16:30	17:00	0.50	11.00	25	Directional Work	Drlg. f/ 3036-3061
17:00	18:30	1.50	12.50	07	Condition and/or Circulate mud	Circ. to TOOH to shoe
18:30	21:48	3.30	15.80	09	Tripping Out	TOOH, L/d 14 jts. hwdp
21:48	04:48	7.00	22.80	11	Rig Repair	W/O drlg. line spool

BHA #6, BHA #6

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
6	8 3/4in, HC506ZX, 7119582	0.75	-----	0.79	55.4
Nozzles (/32")	String Length (ft)	OD (in)			
10/10/11/11/11/11/11/10	2,038.41	6.750			

String Components

Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP

Comment

Drill horizontal section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	2,561.0	3,061.0	882.00	15.50	58.8	471	25	110	1,200.0	75	90	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 49,204.00	Cum Cost To Date 689,943.00
Daily Mud Cost 3,708.10	Mud Cum To Date 113,766.35
Depth Start (ftKB) 2,561.0	Depth End (ftKB) 3,061.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Pt. Cloudy	Temperature (°F) 45.0	Road Condition Dry	Hole Condition Good	
Operations at Report Time Drlg. horizontal section		Operations Next Report Period Drill lateral section		
Operations Summary Restriring blocks, TIH, Tight f/ 1767-1830, Test mwd, TIH, Repair line in derrick, Drlg. f/ 3068-3259, Rig service, Drlg. f/3259-3629, Rig repair, (Change valve #1 mud pump, Drlg. f/3629-3724, Circ. gas, Drlg. f/3724-3787				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	09:30	3.50	3.50	11	Rig Repair	Restraining drlg. line
09:30	11:30	2.00	5.50	08	Tripping In	TIH, Tight f/ 1767'-1830'
11:30	12:30	1.00	6.50	00	Undefined Status	Test MWD tools
12:30	14:00	1.50	8.00	08	Tripping In	P/u 16 jts. dp off rack, 9 stds hwdp
14:00	15:00	1.00	9.00	11	Rig Repair	Replace line on derrick board
15:00	18:30	3.50	12.50	25	Directional Work	Drlg. f/ 3068'-3259'
18:30	19:00	0.50	13.00	10	Lubricate Rig	
19:00	01:30	6.50	19.50	25	Directional Work	Drlg. f/ 3259'-3629'
01:30	02:00	0.50	20.00	11	Rig Repair	Change valve in #1 mud pump
02:00	03:30	1.50	21.50	25	Directional Work	Drlg. f/ 3629'-3724'
03:30	04:00	0.50	22.00	07	Condition and/or Circulate mud	Circ. out gas (Peak gas - 2375 units)
04:00	06:00	2.00	24.00	25	Directional Work	Drlg. f/ 3724'-3787'

BHA #6, BHA #6

Bit Run / Drill Bit 6 8 3/4in, HC506ZX, 7119582	Length (ft) 0.75	IADC Bit Dull -----	TFA (incl Noz) (in²) 0.79	BHA RO... 55.4
Nozzles (/32") 10/10/11/11/11/11/11/11/10	String Length (ft) 2,038.41	OD (in) 6.750		

String Components

Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP

Comment

Drill horizontal section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	3,061.0	3,787.0	1,608....	29.00	53.8	471	25	110	1,300.0	72	92	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 83,988.00	Cum Cost To Date 773,931.00
Daily Mud Cost 13,817.45	Mud Cum To Date 127,583.80
Depth Start (ftKB) 3,061.0	Depth End (ftKB) 3,787.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014

David Majors 337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear	Temperature (°F) 35.0	Road Condition Dry	Hole Condition Seepage	
Operations at Report Time Drlg. horizontal section		Operations Next Report Period Drill lateral section		
Operations Summary Drlg. f/ 3787-3850, Rig service, Drlg. f/3850-4008, Circ. f/ trip, TOO, l/d jars & 17 jts. hwdp, TIH, p/u 18 jts. dp, Kelly up & wash to bottom, Drlg. f/4008-4146, Circ.,Drlg. f/4146-4272				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	07:00	1.00	1.00	25	Directional Work	Drlg. f/ 3787-3850
07:00	07:30	0.50	1.50	10	Lubricate Rig	
07:30	10:30	3.00	4.50	25	Directional Work	Drlg. f/ 3850-4008
10:30	12:00	1.50	6.00	07	Condition and/or Circulate mud	Circ/Cond to TOO
12:00	16:00	4.00	10.00	09	Tripping Out	TOO, l/d 17 jts. hwdp & jars
16:00	20:00	4.00	14.00	08	Tripping In	TIH, p/u 18 jts. dp
20:00	21:00	1.00	15.00	04	Reaming	Wash/Ream to bottom
21:00	23:30	2.50	17.50	25	Directional Work	Drlg. f/ 4008-4146
23:30	02:30	3.00	20.50	07	Condition and/or Circulate mud	Circ. & clean hole
02:30	06:00	3.50	24.00	25	Directional Work	Drlg. 4146-4272

BHA #6, BHA #6

Bit Run Drill Bit 6	8 3/4in, HC506ZX, 7119582	Length (ft) 0.75	IADC Bit Dull -----	TFA (incl Noz) (in²) 0.79	BHA RO... 53.7
Nozzles (/32") 10/10/11/11/11/11/11/11/10	String Length (ft) 3,935.48	OD (in) 6.750			

String Components

Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP

Comment

Drill horizontal section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	3,787.0	4,272.0	2,093.00	39.00	48.5	471	25	110	1,200.0	68	102	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 74,756.00	Cum Cost To Date 848,687.00
Daily Mud Cost 4,441.00	Mud Cum To Date 132,024.80
Depth Start (ftKB) 3,787.0	Depth End (ftKB) 4,272.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear	Temperature (°F) 45.0	Road Condition Dry	Hole Condition Good	
Operations at Report Time Circ. - Work on #2 mud pump			Operations Next Report Period Drill lateral section	
Operations Summary Circ., Drlg. f/4272-4303, Rig service, Drlg. f/4303-4458, P/u jars, Change out saver sub, Drlg. f/4458-4610, Rig service, Drlg. f/4610-4799, Circ., Drlg. f/4799-4806				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	07:30	1.50	1.50	07	Condition and/or Circulate mud	Circ./Cond.
07:30	09:00	1.50	3.00	25	Directional Work	Drlg. f/ 4272 - 4303
09:00	09:30	0.50	3.50	10	Lubricate Rig	
09:30	15:30	6.00	9.50	25	Directional Work	Drlg. f/ 4303 - 4458
15:30	16:00	0.50	10.00	00	Undefined Status	P/u jar, Change out saver sub
16:00	19:00	3.00	13.00	25	Directional Work	Drlg. f/ 4458 - 4610
19:00	19:30	0.50	13.50	10	Lubricate Rig	
19:30	01:30	6.00	19.50	25	Directional Work	Drlg. f/ 4610 - 4799
01:30	05:30	4.00	23.50	07	Condition and/or Circulate mud	Circ. - # 2 mud pump down f/ repairs
05:30	06:00	0.50	24.00	25	Directional Work	Drlg. f/ 4799 - 4806

BHA #6, BHA #6

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
6	8 3/4in, HC506ZX, 7119582	0.75	-----	0.79	46.9
Nozzles (/32")	String Length (ft)	OD (in)			
10/10/11/11/11/11/11/10	4,540.54	6.750			

String Components

Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP, Jars, HWDP, Drill Pipe

Comment

Drill horizontal section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	4,272.0	4,806.0	2,627....	56.00	31.4	471	25	100	1,300.0	70	105	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 81,226.00	Cum Cost To Date 929,913.00
Daily Mud Cost 13,412.00	Mud Cum To Date 145,436.80
Depth Start (ftKB) 4,272.0	Depth End (ftKB) 4,806.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear	Temperature (°F) 45.0	Road Condition Dry	Hole Condition Good	
Operations at Report Time Drlg. horizontal section		Operations Next Report Period Drill lateral section		
Operations Summary Circ., Pump pill, TOO, L/d dir. tools, P/u dir. tools, Chage out #2 mud pump, Check #2 mud pump, TIH, Test mwd tools, TIH, P/u kelly-program mwd tools, L/d jars, Drlg. f/4806-4830				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	08:00	2.00	2.00	07	Condition and/or Circulate mud	Circ.-#2 mud pump not functional
08:00	14:00	6.00	8.00	09	Tripping Out	Pump pill, TOO, L/d dir. tools, p/u new tools
14:00	23:30	9.50	17.50	11	Rig Repair	Change out #2 mud pump & test same
23:30	05:30	6.00	23.50	08	Tripping In	TIH, Test mwd tools, TIH, Program mwd tools, L/d jars, P/u 1 jt. hwdp
05:30	06:00	0.50	24.00	25	Directional Work	Drig. f/4806-4830

BHA #7, BHA #7

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
7	8 3/4in, HC506ZX, 7119582	0.75	-----	0.79	48.0
Nozzles (/32")		String Length (ft)		OD (in)	
10/10/10/11/11/11/11/11		4,792.02		6.750	
String Components					
Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP					
Comment					
Drill horizontal section					

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	4,806.0	4,830.0	24.00	0.50	48.0	471	15	100	1,500.0			

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 48,469.00	Cum Cost To Date 978,382.00
Daily Mud Cost 19,292.05	Mud Cum To Date 164,728.85
Depth Start (ftKB) 4,806.0	Depth End (ftKB) 4,830.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014
Union Drig, 32	
Contractor Union Drig	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Cloudy	Temperature (°F) 50.0	Road Condition Dry	Hole Condition Good	
Operations at Report Time Circ. to move pipe around		Operations Next Report Period Drill lateral section		
Operations Summary Rig repair, (#2 mud pump), Rig service, Drlg. f/4830-5078, Rig service, Drlg. f/5078-5448, Circ. & ream every conn.				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	08:00	2.00	2.00	11	Rig Repair	#2 mud pump
08:00	08:30	0.50	2.50	10	Lubricate Rig	Rig service
08:30	15:30	7.00	9.50	25	Directional Work	Drlg. f/ 4830-5078
15:30	16:30	1.00	10.50	07	Condition and/or Circulate mud	Pump lube sweep
16:30	18:00	1.50	12.00	25	Directional Work	Drlg. f/ 5078-5137
18:00	18:30	0.50	12.50	10	Lubricate Rig	Rig service
18:30	19:00	0.50	13.00	25	Directional Work	Drlg. f/ 5137-5152
19:00	19:30	0.50	13.50	07	Condition and/or Circulate mud	Circ. f/ conn.
19:30	20:30	1.00	14.50	25	Directional Work	Drlg. 5152-5200
20:30	21:30	1.00	15.50	07	Condition and/or Circulate mud	Circ. f/ conn.
21:30	23:30	2.00	17.50	25	Directional Work	Drlg. f/ 5200-5290
23:30	00:30	1.00	18.50	07	Condition and/or Circulate mud	Circ. f/ conn.
00:30	03:30	3.00	21.50	25	Directional Work	Drlg. f/ 5290-5416
03:30	04:00	0.50	22.00	07	Condition and/or Circulate mud	Circ. f/ conn.
04:00	04:30	0.50	22.50	25	Directional Work	Drlg. f/ 5416-5448
04:30	06:00	1.50	24.00	07	Condition and/or Circulate mud	Circ. f/ trip to swap pipe

BHA #7, BHA #7

Bit Run Drill Bit 7 8 3/4in, HC506ZX, 7119582	Length (ft) 0.75	IADC Bit Dull -----	TFA (incl Noz) (in²) 0.79	BHA RO... 40.1
Nozzles (/32") 10/10/10/11/11/11/11/11	String Length (ft) 4,792.02	OD (in) 6.750		

String Components

Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP

Comment

Drill horizontal section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Original Hole	4,830.0	5,448.0	642.00	16.00	39.9	471	25	95	1,500.0	82	127	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

AFE Number USA08004	Total AFE Amount
Daily Cost Total 63,387.00	Cum Cost To Date 1,080,329.00
Daily Mud Cost 10,854.20	Mud Cum To Date 175,583.05
Depth Start (ftKB) 4,830.0	Depth End (ftKB) 5,448.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014
Union Drlg, 32	
Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0



Storm Cat Energy Daily Drilling Report

Report for: 4/16/2008
Report #: 22.0, DFS: 17.25
Depth Progress: 618.00

Well Name: Ballard 1-18H

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Rain	Temperature (°F) 50.0	Road Condition wet	Hole Condition Good	
Operations at Report Time Circ & repair Pump # 2 suction		Operations Next Report Period Drill lateral section		
Operations Summary TOOH - respace - TIH - spot pill for slick hole - TIH w/ HwtDP - circ to btm - drill new form f/5448' - 5460' - Pump # 2 suction repairs - circ & repair Pump # 2				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	13:00	7.00	7.00	09	Tripping Out	TOOH & LD 14 HwtDP & P/U 14DP
13:00	13:30	0.50	7.50	10	Lubricate Rig	Daily rig service
13:30	14:30	1.00	8.50	08	Tripping In	TIH - pipe would not go to btm
14:30	16:00	1.50	10.00	07	Condition and/or Circulate mud	Circ & spot pill to slick hole
16:00	17:30	1.50	11.50	08	Tripping In	TIH w/ HwtDP
17:30	19:30	2.00	13.50	07	Condition and/or Circulate mud	Wash & ream to btm
19:30	20:00	0.50	14.00	02	Drilling	Drill new form f/5448' - 5460'
20:00	06:00	10.00	24.00	11	Rig Repair	Repair suction on Pump # 2 - circulate hole while recip/rotate

BHA #7, BHA #7

Bit Run Drill Bit 7	8 3/4in, HC506ZX, 7119582	Length (ft) 0.75	IADC Bit Dull -----	TFA (incl Noz) (in²) 0.79	BHA RO... 39.6
Nozzles (/32") 10/10/10/11/11/11/11/11	String Length (ft) 4,792.02	OD (in) 6.750			

String Components

Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP

Comment

Drill horizontal section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Leg 2	5,448.0	5,460.0	654.00	16.50	24.0	471	25	95	1,500.0	82	127	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 43,980.00	Cum Cost To Date 1,124,309.00
Daily Mud Cost 15,656.70	Mud Cum To Date 191,239.75
Depth Start (ftKB) 5,448.0	Depth End (ftKB) 5,460.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 9.02	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in) 9.02	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear	Temperature (°F) 60.0	Road Condition Good	Hole Condition Good	
Operations at Report Time Drig @ 6000' TMD			Operations Next Report Period Condition hole for prod csg	
Operations Summary Repair Pump # 2 - drill ahead - down for Pump # 2 - repair & back drlg - drill ahead in lateral to 6000'TMD				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	07:30	1.50	1.50	11	Rig Repair	Repair Pump # 2 - suction
07:30	08:00	0.50	2.00	10	Lubricate Rig	Daily rig lubrication
08:00	12:00	4.00	6.00	02	Drilling	Drill 5460' to 5579'
12:00	12:30	0.50	6.50	07	Condition and/or Circulate mud	Mix & pump hole slick pill
12:30	16:30	4.00	10.50	11	Rig Repair	Circulate hole w/ Pump # 1 - tear down Pump # 2 - knock in gear end . weld braces on skid to eliminate vibration - some bearing play found - put pump back to service
16:30	03:30	11.00	21.50	02	Drilling	Drill in lateral 5579' to 5613'. Conn time ave 10 minutes - no weight to work pipe down hole - slowly decrease conn time as more Wt pipe picked up
03:30	04:30	1.00	22.50	11	Rig Repair	Rig repair - rotary chain - take out link
04:30	06:00	1.50	24.00	02	Drilling	Drill ahead in lateral to 6008' TD well @ 0600

BHA #7, BHA #7

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
7	8 3/4in, HC506ZX, 7119582	0.75	-----	0.79	36.4
Nozzles (/32")		String Length (ft)		OD (in)	
10/10/10/11/11/11/11/11		5,850.04		6.750	
String Components					
Hughes HC506ZX, Mud Motor - Bent Housing, Rotary Steerable Tool, MWD - Dir & Logging, Rotary Steerable Tool, Drill Collar - Flex Non Mag, Antenna Sub, Float Sub, Drill Pipe, HWDP					

Comment

Drill horizontal section

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Leg 2	5,460.0	6,008.0	1,202....	33.00	33.2	471	25	95	1,500.0	82	127	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 68,480.00	Cum Cost To Date 1,192,789.00
Daily Mud Cost 535.00	Mud Cum To Date 191,774.75
Depth Start (ftKB) 5,460.0	Depth End (ftKB) 6,008.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014

David Majors 337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear	Temperature (°F) 65.0	Road Condition Good	Hole Condition Good	
Operations at Report Time Circulate for run of prod csg			Operations Next Report Period LDDP & Run prod csg	

Operations Summary
Circ @ TD of 6008' - TOOH - L/D direct tools - TIH to condition hole for csg - circulate

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	07:00	1.00	1.00	07	Condition and/or Circulate mud	Circulate @ TD of well - 6008' TMD
07:00	07:30	0.50	1.50	10	Lubricate Rig	Daily rig service
07:30	12:30	5.00	6.50	07	Condition and/or Circulate mud	Circ & condition hole - pull 1jt DP - circ again - pump slick hole pill - shakers clean
12:30	20:30	8.00	14.50	09	Tripping Out	TOOH - no drag to 1470' TMD - overpull of 30000# to 1410' TMD - TOOH - slight overpull @ 1330' to 1360' - L/D & release Schlumberger direct tools - load out direct tools
20:30	23:30	3.00	17.50	08	Tripping In	Make up RR 8 3/4" bit - TIH w/ push pipe to 2100' TMD - hole TITE - work pipe - pick up to 50K - slack off to 3K - work pipe - slowly falling
23:30	00:00	0.50	18.00	07	Condition and/or Circulate mud	P/U kelly - break circ - full returns
00:00	04:00	4.00	22.00	08	Tripping In	Continue TIH w/ DP - working each stand to 4000' TMD - weight pipe start in hole - TIH time progressively better w/ addition of weight - DP to btm with no fill
04:00	06:00	2.00	24.00	07	Condition and/or Circulate mud	Circulate hole - full returns - rotate/recip DP

BHA #8, BHA # 8

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
8	8 3/4in, GX-20M, 5142304	0.75	-----		
Nozzles (/32")		String Length (ft)	OD (in)		
		6,008.46	5.000		

String Components

Hughes GX-20M, Bit Sub, Drill Pipe, HWDP

Comment

Wiper - reamer run at TD for conditioning hole for production csg

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq
Leg 2	6,008.0	6,008.0				355		82	980.0		118	

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 25,680.00	Cum Cost To Date 1,218,469.00
Daily Mud Cost 10,241.10	Mud Cum To Date 203,310.85
Depth Start (ftKB) 6,008.0	Depth End (ftKB) 6,008.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Surface, 651.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emasco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

2, Continental-Emasco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...)
		Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Cloudy	Temperature (°F) 70.0	Road Condition Good	Hole Condition Good	
Operations at Report Time Circulate to cement prod csg			Operations Next Report Period Cement production csg	
Operations Summary Cont corc hole for prod csg - TOOH & LDDP. Run 5 1/2" prod csg. Circulate csg on btm				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	10:00	4.00	4.00	07	Condition and/or Circulate mud	Circulate hole for running of prod csg - pump walnut hull sweep - spot slick fluid in lateral
10:00	17:30	7.50	11.50	09	Tripping Out	TOOH - LDDP - no hole drag or problems on TOOH
17:30	19:00	1.50	13.00	15	Run Casing	R/U GRACO casing crew
19:00	03:30	8.50	21.50	15	Run Casing	Run 5 1/2" prod csg w/ Davis-Lynch flotation assy. RIH w/ no problem to 3412'. Casing started floating. Cont to RIH - csg stopped @ 3801'. Install flotation collar & start filling csg w/ mud. Csg slowly started going in hole as weight added. Run csg to 5924'TMD - Stopped. End of running csg. PBTD @ 5876' TMD - Flotation collar @ 2122'TMD - 3754' pipe in lateral.
03:30	05:30	2.00	23.50	07	Condition and/or Circulate mud	Rupture floation baffle - fill csg w/ mud - bleed off air - break circ & circulate well 0 full returns. R/U schlumberger to pump plug for sleeve - continu to circ well
05:30	05:30		23.50	07	Condition and/or Circulate mud	Pump btm Davis-Lynch plug - push sleeve from floation collar to PBTD @ 5876' - ruptured plug on btm - circulate w/ full returns to surface

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
Nozzles (/32")		String Length (ft)		OD (in)	
String Components					
Comment					

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Logging Company	Run No.	Comment
3/23/...	Dipmeter	0.0	985.0	Halliburton	2	
3/23/...	Platform Express	0.0	985.0	Halliburton	1	Logged for correlation for KOP

Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 78,880.00	Cum Cost To Date 1,297,349.00
Daily Mud Cost 207.00	Mud Cum To Date 206,978.10
Depth Start (ftKB) 6,008.0	Depth End (ftKB) 6,008.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Production, 5,924.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)
Pres (psi)	Slow Spd No	Strokes (s...) Eff (%)

Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
Wellbore Name Leg 1	Kick Off Depth (ftKB) 985.0
Wellbore Name Leg 2	Kick Off Depth (ftKB) 2,023.0

Well Name: Ballard 1-18H

API/UWI 03-141-10356	Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL	County Van Buren	State/Province Arkansas	Field Name B-43
Spud Date 3/21/2008	Completion Date	Ground Elevation (ft) 1,682.00	KB-Ground Distance (ft) 15.00	
Weather Clear	Temperature (°F) 70.0	Road Condition Good	Hole Condition Good	
Operations at Report Time Rigging down UDI # 32 - W/O trucks to move		Operations Next Report Period W/O trucks for rig move		
Operations Summary Circ well - cement w/ 1225 sx 50/50 Poz - full returns - displaced - float held - WOC - nipple down BOP - set slips & cut off csg - Rig down UDI # 32				

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment
06:00	08:30	2.50	2.50	07	Condition and/or Circulate mud	Circulate hole - full returns - R/D & release GRACO csg crew
08:30	10:00	1.50	4.00	16	Cementing	Cement prod csg w/ 1225 sx Class h 50/50 Poz @ 14.2# - displace plug w/ 137 bbls water - landed plug - float held OK - full returns thru job
10:00	18:00	8.00	12.00	19	Wait On Cement	WOC - held csg in suspension - start cleaning mud pits & R/D rig
18:00	22:00	4.00	16.00	21	Nipple Up /Nipple Down BOP Stack	Nipple down BOP - set csg slips - tension csg @ 16K - set night cap
22:00	06:00	8.00	24.00	01	Rig Up & Tear Down	Rigging down UDI # 32

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA RO...
Nozzles (/32")			String Length (ft)	OD (in)	
String Components					
Comment					

Wellbore	Start (ftKB)	End (ftKB)	Cum Depth (ft)	Cum Drill Time (hrs)	Int ROP (ft/hr)	Q (flow) (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Rot HL (1000lbf)	PU HL (1000lbf)	Drill Tq

Kicks

Kick Date	Kick Depth (ftKB)	Kick Vol (bbl)	Kill Notes	Ops In Prog

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Formations

Formation Name	Form Code	Drill Top MD (ftKB)	Drill Btm MD (ftKB)	Drill Source	Comment

AFE Number USA08004	Total AFE Amount
Daily Cost Total 126,600.00	Cum Cost To Date 1,423,949.00
Daily Mud Cost	Mud Cum To Date 206,978.10
Depth Start (ftKB) 6,008.0	Depth End (ftKB) 6,008.0
Target Formation Fayetteville Shale	Target Depth (ftKB) 6,488.0
Last Casing String Production, 5,924.0ftKB	

Daily Contacts

Job Contact	Mobile
Thomas B. Majors	337-408-3014
David Majors	337-408-3014

Union Drlg, 32

Contractor Union Drlg	Rig Number 32
Rig Supervisor David Majors	Phone Mobile 337-408-3014

1, Continental-Emsco, F-800

Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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2, Continental-Emsco, F-800

Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...)

Pres (psi)	Slow Spd No	Strokes (s...)	Eff (%)
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Wellbores

Wellbore Name Original Hole	Kick Off Depth (ftKB)
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Well Name: Ballard 1-18H

API/UWI 03-141-10356		Surface Legal Location SH: 88' FSL & 1109' FEL BH: 3413' FSL & 4944' FEL		County Van Buren		State/Province Arkansas		Field Name B-43																									
Spud Date 3/21/2008		Completion Date		Ground Elevation (ft) 1,682.00		KB-Ground Distance (ft) 15.00																											
Weather Cloudy		Temperature (°F) 80.0		Road Condition Good		Hole Condition																											
Operations at Report Time Move to Owen 1-18H				Operations Next Report Period Move to Owen 1-18H																													
Operations Summary R/D & prepare to move rig																																	
Time Log																																	
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 1	Code 2	Comment																											
06:00	06:00	24.00	24.00	01	Rig Up & Tear Down	Rig down UDI # 32. W/O trucks for move.																											
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Daily Cost Total 50,880.00		Cum Cost To Date 1,474,829.00	
Daily Mud Cost		Mud Cum To Date 206,978.10	
Depth Start (ftKB) 6,008.0		Depth End (ftKB) 6,008.0	
Target Formation Fayetteville Shale		Target Depth (ftKB) 6,488.0	
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Pump Number 1	Pwr (hp) 800.0	Rod Dia (in) 2 1/2	
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...	
Pres (psi)	Slow Spd No	Strokes (s...	Eff (%)
2, Continental-Emsco, F-800			
Pump Number 2	Pwr (hp) 800.0	Rod Dia (in) 2 1/2	
Liner Size (in)	Stroke (in) 9.02	Vol/Stk OR (b...	
Pres (psi)	Slow Spd No	Strokes (s...	Eff (%)
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