

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 14-NOV-12	F.R. # 1001947999	SERV. SUPV. CALEB C KINGSLEY	
LEASE & WELL NAME WILDHORSE #16-1613BH - API 05123361680000		LOCATION 16-9N-59W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 21		TYPE OF JOB Surface	

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
9-5/8" Top Cem Plug, Nitrile cvr, Ph	Cement Basket, Slip On, 9-5/8 in	NONE	0	0	NONE	0	0
	Centralizer, with Pins, 9-5/8 in	NONE	0	0	NONE	0	0
	Float Collar, Pop Valve, 9-5/8 - 8rd	NONE	0	0	NONE	0	0
	Guide Shoe, Cement Nose, 9-5/8 i						

MATERIALS FURNISHED BY BJ		LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh water		0	0	8.34	0	0	00:00	20	
Type III + 1% CaCl ₂ .25CF		C11-050-12	989	14.5	1.40	6.81	02:23	246.91	160.30
Fresh water		0	0	8.34	0	0	00:00	156	
Available Mix Water 200 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL				422.91	160.30

HOLE		TBG-CSG-D.P.				COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
13.5	0	2075	8.921	9.625	36	CSG	2075	2075	J-55	2065	2018	0

LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID					
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
						NO PACKER OR CEMENT R	0			9.625	8RND	WATER BASED	9.4

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
156	BBLS	Fresh water	8.34	638.6	0	0	0	0	3520	2816	RIG TANK

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1	
Mud Density In: 9.4 LBS/GAL		Mud Density Out: 9.4 LBS/GAL	
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:		PV & YP Mud In: 16	
		PV & YP Mud Out: 16	
		Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	

Displacement And Mud Removal			
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>		Amount Bled Back After Job: 1.2 BBLS	
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL		Method Used to Verify Returns: VISUAL	
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE			
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		Quantity: 10	
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD		Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID	

Plugs			
Number of Attempts by BJ: 0		Competition:	
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
		Top of Plug: 0 FT	
		Bottom of Plug: 0 FT	

Squeezes (Update Original Treatment Report for Primary Job)			
BLOCK SQUEEZE <input type="checkbox"/>	SHOE SQUEEZE <input type="checkbox"/>	TOP OF LINER SQUEEZE <input type="checkbox"/>	PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/>
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	PSI Applied: 0	Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)			
Casing Test Pressure: 0 PSI	With 0 LBS/GAL Mud	Time Held: 00 Hours 00 Minutes	

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT	Target EMW: 0 LBS/GAL	Actual EMW: 0 LBS/GAL
Number of Times Tests Conducted: 0	Mud Weight When Test was Conducted: 0 LBS/GAL	

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
NONE

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	3720 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
05:45	0	0	0	0	NA	LEAVE THE YARD	
07:30	0	0	0	0	NA	ARRIVE TO LOCATION	
11:45	0	0	0	0	NA	SPOT TRUCKS	
12:15	0	0	0	0	NA	SAFETY MEETING	
12:49	3720	0	0	0	H2O	PRESSURE TEST	
12:52	149	0	7.2	10	H2O	FRESH WATER SPACER	
12:54	135	0	7.2	10	H2O	FRESH WATER SPACER WITH DYE	
12:56	0	0	0	0	NA	SHUT DOWN AND PREPARE FOR CMT	
13:00	141	0	4.8	230	CMT	PUMP CMT AT 14.5 PPG	
13:50	0	0	0	0	NA	DROP PLUG	
13:53	163	0	6	110	H2O	DISPLACE WITH CONE WATER	
14:15	767	0	4.1	20	H2O	DROP RATE	
14:20	881	0	2.4	26	H2O	DROP RATE	
14:30	539	0	2.4	156	H2O	FINAL LIFT	
14:30	1351	0	2.4	0	H2O	BUMP PLUG	
14:32	1326	0	0	0	H2O	BLEED OFF/FLOATS HELD	
14:05	312	0	6	60	H2O	CAUGHT CMT	
14:15	747	0	6	110	H2O	46 BBL CMT TO SURFACE	
14:22	820	0	4.1	135	H2O	LOST CIRCULATION DURING DISPLACEMENT WITH 135 BBL PUMPED	
15:20	0	0	0	0	NA	LEAVE LOCATION	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	638.6	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	46	406	200	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



Baker Hughes JobMaster Program Version 3.60

Job Number: 1001947999

Customer: WHITING

Well Name: WILDHORSE 16-1613BH



CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
 None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 None

PRESSURE/RATE DETAIL

EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>			
	PIPE	ANNULUS				TEST LINES	4169 PSI	CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
05:00	0	0	0	0	N/A	Yard call			
07:43	0	0	0	0	N/A	Time left district			
10:06	0	0	0	0	N/A	Time arrived on location (62 miles) Rig Running Casing			
12:03	0	0	0	0	N/A	Spot Trucks			
12:08	0	0	0	0	N/A	Pre rig up safety meeting			
12:50	0	0	0	0	N/A	Pre job safety meeting			
13:11	4169	0	0	0	WATER	Pressure test pumps and lines			
13:17	380	0	6.4	20	WATER	Fresh water spacer			
13:20	440	0	6.4	20	WATER	Mud clean I spacer			
13:23	445	0	6.4	20	WATER	Fresh water spacer			
13:39	458	0	5.6	188	CEMENT	Batch up, weigh and pump, 356 SXS of (35:65) Poz (Fly Ash) Class G + 0.06 Lbs/Sack Static free + 0.1 % R-3 + 46.46% LW-6 + 1% FL-25 + 0.5% SMS + 5% CSE-2 @ 10.5 PPG			
14:27	88	0	4.1	56	CEMENT	Batch up, weigh and pump 98 SXS of (35:65) POZ (Fly Ash) : Class G + 0.06 Lbs/ Sack Static free + 54.44 % LW-6 + 1% FL-25 + .5% SMS + 20% Silca sand 100 Mesh + 5% CSE-2 @ 10.5 PPG			
14:45	0	0	0	0	N/A	Release plug			
14:52	1007	0	6.4	190	WATER	Start displacement			
15:23	1025	0	4.1	20	WATER	Drop rate			
15:19	1245	0	3.1	31	WATER	Drop rate			
15:41	2521	0	3.1	241	WATER	Bump plug			
15:44	0	0	0	0	WATER	Check Floats			
15:48	2063	0	0	0	WATER	Casing test			
16:20	0	0	0	0	N/A	Bleed off job done			
16:21	0	0	0	0	N/A	Pre rig down safety meeting			
17:10	0	0	0	0	N/A	Time off location			

BUMPED
PLUG
☒ Y ☐ N

PSI TO
BUMP
PLUG
2521

TEST
FLOAT
EQUIP.
☒ Y ☐ N

BBL.CMT
RETURNS/
REVERSED
15

TOTAL
BBL.
PUMPED
545

PSI
LEFT ON
CSG
0

SPOT
TOP OUT
CEMENT
☒ Y ☐ N

Service Supervisor Signature:

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 18-NOV-12	F.R. # 1001948922	SERV. SUPV. RYAN R STEVENS	
LEASE & WELL NAME WILDHORSE #16-1613BH - API 05123361680000		LOCATION 16-9N-59W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 21		TYPE OF JOB Long String	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS	
Cement Plug, Rubber, Top 7 in		Float Collar, AI Flap, 7 - 8rd		MD 0 TVD 0	
		Float Shoe 7 - 8rd		HANGER TYPES MD 0 TVD 0	
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES	
				SACKS OF CEMENT	SLURRY WGT PPG
				SLURRY YLD FT ³	WATER GPS
				PUMP TIME HR:MIN	Bbl SLURRY
					Bbl MIX WATER
Fresh Water				0	8.34
Mud Clean I				0	8.34
Fresh Water				0	8.34
(35:65) Poz:G+LW6+.1%R3+1%FL25+.5%SMS+5%CI				356	10.5
Fresh Water				0	8.34
(35:65) Poz:G+LW6+1%FL25+.5%SMS+20%SS+5%C				98	10.5
Available Mix Water 800 Bbl.		Available Displ. Fluid 400 Bbl.		TOTAL 526.14 99.60	
HOLE		TBG-CSG-D.P.		COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID OD	WGT.	TYPE
8.75	0	6653	6.184 7	29	CSG
				MD 6640	TVD 6640
				GRADE P-110	SHOE 6640
				FLOAT 6595	STAGE 0
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID	OD	WGT	TYPE	MD	TVD
8.9	9.63	36	CSG	2075	2075
		BRAND & TYPE		DEPTH	TOP
		No liner		0	0
				BTM 0	SIZE 7
				THREAD 8RD	WELL FLUID
					WATER BASED
					WGT. 9.6
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
244.5	BBLs	Fresh Water	8.34	748	0
				SQ. PSI	RATED
				Operator	MAX TBG PSI
					MAX CSG PSI
					Operator
					MIX WATER
					Rig Tank
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: 1		
Mud Density In: 9.6 LBS/GAL			Mud Density Out: 9.6 LBS/GAL		
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			Units:		
			Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		
Displacement And Mud Removal					
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>			Amount Bled Back After Job: 2 BBLs		
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL			Method Used to Verify Returns: Visual		
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE			UNABLE DUE TO STUCK PIPE		
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			Quantity: 17		
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID		
Plugs					
Number of Attempts by BJ: 0			Competition: 0		
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
			Top of Plug: 0 FT		
			Bottom of Plug: 0 FT		
Squeezes (Update Original Treatment Report for Primary Job)					
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>	
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0	
				Fluid Weight: 0 LBS/GAL	
Casing Test (Update Original Treatment Report for Primary Job)					
Casing Test Pressure: 2063 PSI With 8.34 LBS/GAL Mud					
Time Held: 00 Hours 30 Minutes					
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None					



Baker Hughes JobMaster Program Version 3.60
Job Number: 1001948922
Customer: Whiting
Well Name: Wildhorse 16-1613BH

