

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 09-SEP-12	F.R. # 1001934082	SERV. SUPV. CHRISTOPHER M MCKEON	
LEASE & WELL NAME TWO MILE #15-1033AH - API 05123348770000		LOCATION 15-11N-57W		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, Phe	Cement Basket, Slip On, 9-5/8 in						
	Centralizer, with Pins, 9-5/8 in						
	Float Collar, Pop Valve, 9-5/8 - 8rd						
	Guide Shoe, Cement Nose, 9-5/8 in						

PHYSICAL SLURRY PROPERTIES								
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	8.34	0	0	00:00	20	
Type III + 1% CaCl ₂ + .25CF		693	14.5	1.40	6.81	01:30	173.01	112.32
Fresh water		0	8.34	0	0	00:00	112.87	
Available Mix Water 200 Bbl. Available Displ. Fluid 200 Bbl.		TOTAL				305.88		112.32

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
13.5	30	1548	8.921	9.625	36	CSG	1531	1531	J-55	1531	1483	

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.
14.			OPEN HOLE			No packer		0	0	9.625	8RD	WATER BASED	9.6

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				
114.5	BBLS	Fresh water	8.34	469	0	0	0	0	2816	1500			Rig Tank	

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ Circulation Time: 1 Circulation Rate: 5 BPM

Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL PV & YP Mud In: 0 PV & YP Mud Out: 0

Gas Present: NO ☒ YES ☐ Units: Solids Present at End of Circulation: NO ☒ YES ☐

Displacement And Mud Removal

Displaced By: Rig ☐ BJ ☒ Amount Bled Back After Job: 1 BBLS

Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL Method Used to Verify Returns: Visual

Cement Returns at Surface: ☒ YES ☐ NO Were Returns Planned at Surface: ☐ NO ☒ YES

Pipe Movement: ☐ ROTATION ☐ RECIPROCATION ☒ NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☐ NO ☒ YES Quantity: 10 Type: ☒ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☒ MANIFOLD ☐ NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: 0 Wiper Balls Used: ☒ NO ☐ YES Quantity:

Plug Catcher Used: ☒ NO ☐ YES Parabow Used: ☒ NO ☐ YES

Was There a Bottom: ☒ NO ☐ YES Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☐

Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ 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: NA

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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)
 NA

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 NA

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 NA

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 4120 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
20:00	0	0	0	0	NA	Arrive location			
20:10	0	0	0	0	NA	Spot trucks			
20:15	0	0	0	0	NA	Rig up safety meeting			
21:00	0	0	0	0	NA	Pre job safety meeting			
21:23	1710	0	0	0	H2O	Low pressure test			
21:25	4120	0	0	0	H2O	High pressure test			
21:30	153	0	5	20	H2O	Fresh water			
21:43	175	0	4.5	161	CMT	Batch up, weigh and pump 693 sx. Type III Cement			
22:30	0	0	0	0	NA	Drop plug			
22:32	543	0	6	75	H2O	Start displacement			
22:44	687	0	5	20	H2O	Rate change			
22:50	707	0	3.6	5	H2O	Rate change			
22:52	695	0	2.4	14.5	H2O	Rate change			
22:56	722	0	2.4	114.5	H2O	Bump plug/ Check float			
22:58	784	0	2.4	0	H2O	Bump plug/ Check float			
23:00	1601	0	0	0	NA	Plug down			
23:05	0	0	0	0	NA	Rig down safety meeting			

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	722	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	10	295.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

Load Sheet

WELL NAME TWOMILE #15-1033AH

CUSTOMER WHITING PETROLEUM CORP

FIELD RECEIPT DATE SEP-09-2012

FIELD RECEIPT NO. 1001934082

[illegible]

DATE _____