



CEMENTER'S WELL SERVICE, INC.

P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712

OUR INVOICE

201628

REDHAWK

Date 8-21-14	Well Owner PETROLEUM LLC	Well No. 2-1 H	Lease LOOMIS
County WELD	State COLORADO	Field	
Charge to REDHAWK PETROLEUM LLC	Charge Code		
Address 1416 CAMPBELL ROAD, BLDG B, STE 206 (XTREME-15)	For Office Use Only		
City, State HOUSTON TEXAS 77055			
Pump Truck No. 1208	Code	Bulk Truck No. 1234/1217	Code
Type of Job	Depth 1481	Ft.	To
Surface 9 5/8" CSG-36" - 13 1/2" IXC	Bottom of Surface 1473	Ft.	To
Plug	Plug Landed @ 1431	Ft.	Time On 0400
Production	Pipe Landed @ 1473	Ft.	Time Off PLUG DOWN 1615

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge	1			00
	Cement Neat ✓ CLASS "G"	975	SKS		75
	Poz. Mix				
	Calcium Chloride	3%			
	Gel % Flo-Cele #Per Sack				
	HEAVY MILEAGE	225	MILES	5.00	00
	DATA ACQUISITION SYSTEM	1			00
	STANDBY TIME	6	HRS	450.00	00
	MIX RATE 4 BPM	SLURRY VOL	1.18 FT ³ /SK		
	DISP RATE 5 BPM	SLURRY WT	15.8 PPG		
	PLUG LANDED @ 800 PSI	TOTAL SLURRY VOL	204.9 BBL CEMENT		

Remarks: PREFLUSH W/ 30 BBL H₂O	Tax Reference Code	Sub Total	75
DISPLACE W/ 110.6 BBL MUD	State CO 2.9 %	Tax	03
CIRCULATE 1 BBL CEMENT	Disc.	Total	78

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
1208		Pump Truck		75			
1234/1217		Bulk Truck		75/75	AFE RH-2014-2		

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By **JOE, ADAM, TUCKER**

Received By

Alonso J. Mustard
Customer or His Agent

CEMENT JOB REPORT



CUSTOMER RED HAWK PETROLEUM LLC		DATE 28-AUG-14	F.R. # 10011096247	SERV. SUPV. ERIC S DEWIT	
LEASE & WELL NAME LOOMIS #2-1H - API 05123399300000		LOCATION 2-7N-60W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Xtreme 15		TYPE OF JOB Intermediate	

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE	MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD
Cement Plug, Rubber, Top 7 in		Centralizer, with Pins, 7 in								
		Float Collar, Auto Fill, 7 - 8rd								
		Float Shoe 7 - 8rd								

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
Drilling Mud			0	8.34	0	0		249.47	
Fresh Water			0	8.34	0	0		40	
80:20 + Addis			431	12.7	2.12	11.30		162.42	115.99
Tail Slurry			207	14.4	1.54	6.61		56.73	32.56
Ultraflush			0	12	0	0		40	
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.	TOTAL				548.62	148.55	

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
8.75	25	6651	6.276	7	26	CSG	6461	6227	P-110	6461	6416		

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.
8.9	9.63	36	CSG	1471	1471	No Packer	0	0	0	7	8RD	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	
245.5	BBLS	Drilling Mud	8.34	1169	0	0	0	0	7968	4000	Rig Tank

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	Circulation Time: 2		
Mud Density In: 9.8 LBS/GAL	Mud Density Out: 9.8 LBS/GAL	Circulation Rate: 5 BPM	
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	Units:	PV & YP Mud In: 13	PV & YP Mud Out: 13
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 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 <input type="checkbox"/> UNABLE DUE TO STUCK PIPE			
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	Quantity: 45	Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID	
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD			

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

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)

Rig having trouble running the last 5 joints of casing in the hole. @ 11:15 Company man decided to cement the casing Where it was at due to the fact they could no longer run it into the hole, or pull up on it. New depth of casing is 6461.

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	5089 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
01:09	0	0	0	0	N/A	Leave yard	
02:39	0	0	0	0	N/A	Arrive on location (79 Miles) Rig still running casing	
08:20	0	0	0	0	N/A	Spot trucks	
08:30	0	0	0	0	N/A	Pre rig up safety meeting	
11:15	0	0	0	0	N/A	Company man told me casing was stuck, they could no longer move it up or down. Told me we would be cementing the pipe where it was @ 6461	
12:37	0	0	0	0	N/A	Pre job safety meeting	
14:52	5089	0	0	0	H2O	Pressure test pumps and lines	
15:11	504	0	6	20	H2O	Fresh water spacer	
15:18	483	0	4.7	40	H2O	Ultra flush weighted spacer @ 12 PPG	
15:31	432	0	4.8	161	CMT	Batch, weigh, and pump Lead slurry @ 12.7 ppg	
16:09	279	0	3.8	56	CMT	Batch, weigh, and pump tail slurry @ 14.7 PPG	
16:29	0	0	0	0	N/A	Release plug	
16:35	1145	0	4.8	220	MUD	Displacement	
17:23	1507	0	3.7	20	MUD	Drop rate	
17:28	1531	0	2.5	5	MUD	Drop rate	
17:30	2112	0	0	0	MUD	Bump plug (Approx. 33 bbls of cement back to surface	
17:32	0	0	0	0	N/A	Check floats	
17:35	0	0	0	0	N/A	Pre rig down safety meeting	
19:40	0	0	0	0	N/A	Leave location	
21:40	0	0	0	0	N/A	Arrive back at yard	

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	1531	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	33	422	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



Baker Hughes JobMaster Program Version 4.00

Job Number: 10011093808

Customer: Red Hawk

Well Name: Loomis 2-1H

