



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 7/8" CSG-36 1/2" - 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:	Tax Reference Code	Sub Total	75
PREFLUSH W/ 30 BBL H ₂ O	State CO 2.9 %	Tax	03
DISPLACE W/ 110.6 BBL MUD	Disc.	Total	78
CIRCULATE 1 BBL CEMENT			

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 Alonzo 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							
Cement Plug, Rubber, Top 7 in		Centralizer, with Pins, 7 in		MD TVD HANGER TYPES MD TVD							
		Float Collar, Auto Fill, 7 - 8rd									
		Float Shoe 7 - 8rd									
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES							
				SACKS OF CEMENT	SLURRY WGT PPG						
Drilling Mud				SLURRY YLD FT3	WATER GPS						
Fresh Water				PUMP TIME HR:MIN	Bbl SLURRY						
80:20 + Adds					Bbl MIX WATER						
Tail Slurry											
Ultraflush											
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				
8.75	25	6651	6.276	7	26	CSG	6461				
							6227				
							P-110				
							6461				
							6416				
							STAGE				
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID			
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP		
8.9	9.63	36	CSG	1471	1471	No Packer		0	0		
								0	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"/>		Mud Density In: 9.8 LBS/GAL		Mud Density Out: 9.8 LBS/GAL		Circulation Time: 2		Circulation Rate: 5 BPM			
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"/>		PV & YP Mud In: 13		PV & YP Mud Out: 13			
Displacement And Mud Removal											
Displaced By: Rig <input type="checkbox"/> BJ <input type="checkbox"/>		Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL		Amount Bled Back After Job: 2 BBLS		Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Method Used to Verify Returns: Visual			
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		Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		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 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)
 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	

