



**Pumping
Service Report**

9193482

Client Name Extraction Oil	Well Name Hiner NC-18W	Rig Extreme # 7	Job Date June 13,2014	Call Sheet 1042931
Client Representative Brandon Patch	Surface Well Location Sec 36:T6N:R66W	Down Hole Well Location	Job Type Intermediate Casing	

Well Profile

Well Type:	Oil				
Maximum Treating Pressure (psi):	---				
Predicted Bottom Hole Static Temperature (°F):	200.00	@	--		
Bottom Hole Circulating Temperature (°F):	160.00	@	--		
Bottom Hole Logged Temperature (°F):	---	@	--		
Open Hole					
Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
13.500	30.000	0.000	760.000	0.000	760.000
8.750	25.000	760.000	7,580.000	--	--

Casing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
9.625	36.000	J-55	2,020.0	3,520.0	58.75	8.921	10.625	0.0	760.0
7.000	26.000	P-110	6,210.0	9,520.0	289.72	6.276	7.656	0.0	7,572.0

Products

Stage 1

From Depth (ft): 0
To Depth (ft): 7700

Acids/Blends/Fluids :

Lead 1: 525 Sacks of 0-1-0 Type III, Density = 12.5 lb/gal, Volume Pumped = 166.4 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 69 , Slurry Temperature(°F) = 88
+ 0.4 % of CDF-4P (Preblend),
+ 0.5 % of CFL-2 (Preblend),
+ 0.4 % of FMC (Preblend),
+ 0.15 % of LTR (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

Tail: 345 Sacks of 1-1-0 G, Density = 14.6 lb/gal, Volume Pumped = 68.8 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 69 , Slurry Temperature(°F) = 88
+ 0.6 % of CFL-2 (Preblend),
+ 0.5 % of CFR (Preblend),
+ 0.6 % of SMS (Preblend),
+ 0.3 % of LTR (Preblend),
+ 0.2 % of SPC-2 (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	May 19, 2014 18:05
Water Based Mud	--	--	--	--	May 28, 2014 19:51



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Attachment & Tools

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	7.000	Sanjel

Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449093	TRAILER	Utility Trailer	201191	PICKUP	1 Ton	06/13/2014 02:30	06/13/2014 17:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	06/13/2014 02:30	06/13/2014 17:30
746502	BODY JOB	Baby Bulker				06/13/2014 02:30	06/13/2014 17:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Contreras, Bennie	06/13/2014 02:30	06/13/2014 17:30		
Feigenbaum, Andrew	06/13/2014 02:30	06/13/2014 17:30		
Curtner, Jerry	06/13/2014 02:30	06/13/2014 17:30		
Lindsay, Kevin	06/13/2014 02:30	06/13/2014 17:30		

Treatment Reports & Remarks



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Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Jun 13, 2014 02:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived						
2	Jun 13, 2014 02:40	Tailgate Meeting		--	--	--	--	0.00
		Remarks: Talked about spotting trucks and rig in.						
3	Jun 13, 2014 02:55	Rig In		--	--	--	--	0.00
		Remarks: Rigged in water and cement hoses to the pump truck, and iron to well head.						
4	Jun 13, 2014 11:10	Safety Meeting		--	--	--	--	0.00
		Remarks: Muster, nearest med., amb. driver, location safety equipt., job scope.						
5	Jun 13, 2014 11:40	Sign-off on Safety		--	--	--	--	0.00
		Remarks: Sign all JSAs.						
6	Jun 13, 2014 11:50	Pressure Test	Water	--	3,200.0	--	--	0.00
		Remarks: Pressure test to 3200 psi.						
7	Jun 13, 2014 11:53	Pump Preflush	Water Based Mud	5.60	450.0	--	20.00	20.00
		Remarks: Pumped mudflush 20 BBLs.						
8	Jun 13, 2014 12:02	Pump Spacer	Water	5.00	300.0	--	20.00	40.00
		Remarks: Pump fresh water spacer.						
9	Jun 13, 2014 12:06	Mix Cement	0-1-0 Type III	7.00	600.0	--	166.40	206.40
		Remarks: Mix and pump 525 SKs of 0-1-0 Type III @ 12.5 lb/gal						
10	Jun 13, 2014 13:12	Mix Cement	1-1-0 G	7.00	500.0	--	68.80	275.20
		Remarks: Mix and pump 345 SKs 1-1-0 G @ 14.6 lb/gal.						
11	Jun 13, 2014 13:28	Stop		--	--	--	--	275.20
		Remarks: Stop and drop plug.						
12	Jun 13, 2014 13:33	Displace Fluid	Water Based Mud	5.00	1,300.0	--	290.00	565.20
		Remarks: Displaced 290 BBLs of mud bumping the plug at 1840 psi.						
13	Jun 13, 2014 14:38	Bump Plug		--	1,840.0	--	290.00	565.20
		Remarks: Bumped plug 290 BBLs at 1840 psi.						
14	Jun 13, 2014 14:41	Check Float	Water Based Mud	--	1,840.0	--	--	565.20
		Remarks: Held pressure for 3 minutes bled back to check floats 3/4 BBL back.						
15	Jun 13, 2014 15:35	Wash	Water	2.00	170.0	--	20.00	585.20
		Remarks: Wash mix system and runbacks on triplexes.						
16	Jun 13, 2014 16:45	Rig Out		--	--	--	--	585.20
		Remarks: Rig down iron and hoses.						
17	Jun 13, 2014 17:15	Job Complete		--	--	--	--	585.20
		Remarks: Job complete.						
18	Jun 13, 2014 17:17	Pre-Departure Meeting		--	--	--	--	585.20
		Remarks: Journey management.						
19	Jun 13, 2014 17:30	Leave Location		--	--	--	--	585.20
		Remarks: Leave.						



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Treatment Reports & Remarks

Did Float Hold: Yes
Fluid Returns : Yes
Type : Cement
Volume (bbl) : 29
Temperature (°F) : 88
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number
258290
258288
258287
258374



Service Ticket

9193482

Field Estimate

Client Name Extraction Oil			Well Name Hiner NC-18W		Surface Well Location Sec 36:T6N:R66W		Job Date June 13, 2014	
			Job Type Intermediate Casing		Down Hole Location		Service Point Fort Lupton	
Address 1888 Sherman Street, Suite 200			Client Representative Brandon Patch		State CO		County Weld	
City Denver			Postal Code 80203		Drilling Company Extreme		Rig No. # 7	
							Pricing Area Area U	
							AFE/PO #	

District	Service, Equipment & Material Type	Disc	13	Code	Quantity/Unit	Unit Price	Amount
59	Travel Charge	57	13	1380	1		
59	Service Charge 7001 to 8000 ft	57	13	1012	1		
59	Twin Pumping	57	13	1150	1		
59	Handling Service Charge	57	13	1480	1069		
59	Bulk Delivery / Return	57	13	1484	43.1		
59	SAM Unit	57	13	1497	1		
59	Mud Flush	57	13	3195	840		
59	1-1-0	57	13	3002	525		
59	CFL-2	57	13	3131	217		
59	FMC	57	13	3147	174		
59	LTR	57	13	3110	65		
59	PS Flake	57	13	3250	525		
59	Gel	57	13	3231	2599		
59	DF-7011	57	13	3264	174		
59	1-1-0	57	13	3002	345		
59	CFL-2	57	13	3131	171		
59	CFR	57	13	3160	143		
59	SMS	57	13	3104	171		
59	LTR	57	13	3110	86		
59	SPC-2	57	13	3220	57		
59	PS Flake	57	13	3250	345		
59	EnviroBag	57	13	1492	1		
59	DF-3, Anti-foamer	57	13	3262	5		
59	Environmental Surcharge	-	13	1493	1		
59	Add. Loc. (Twin) - Non Operating	-	13	1396	4		
59	Fuel Surcharge	-	13	2992	---		\$0

<p>* Not Subject to Discount</p> <p>Field Estimate</p> <p>FOR OFFICE USE ONLY</p> <table border="1"> <tr> <td>Cementing - Prim</td> <td>Cementing -Rem</td> <td>Code 9000</td> </tr> <tr> <td>Coiled Tubing</td> <td>Nitrogen</td> <td></td> </tr> <tr> <td>Acidization</td> <td>Fracturing</td> <td></td> </tr> <tr> <td>Industrial Services</td> <td>MPCT</td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> </table> <p>This Space Reserved for Client Coding Stamp</p>	Cementing - Prim	Cementing -Rem	Code 9000	Coiled Tubing	Nitrogen		Acidization	Fracturing		Industrial Services	MPCT		Other			<p>Before Discount:</p> <p>Fuel Surcharge:</p> <p>After Discount:</p>
	Cementing - Prim	Cementing -Rem	Code 9000													
	Coiled Tubing	Nitrogen														
	Acidization	Fracturing														
	Industrial Services	MPCT														
Other																
<p>Comments</p> <p>Arrive, Tailgate, Spot trucks, Rig in, Safety meeting, Sign off on safety, Pressure test 3000 psi, 20 BBLs of mudflush, 20 BBLs of fresh water, 166.4 BBLs of Lead @ 12.5 lb/gal, 68.8 BBLs of Tail @ 14.6 lb/gal,</p>	<p>This service ticket is not an invoice, pricing is subject to review and change without notice. This signature confirms that I have read and comply with the terms and conditions page of this service ticket.</p> <p>X</p>															