

The Road to Excellence Starts with Safety

Sold To #: 366960	Ship To #: 3186823	Quote #:	Sales Order #: 900996364
Customer: WHITING OIL & GAS CORP - EBUS	Customer Rep: WILKERSON, KENNY		
Well Name: Razor	Well #: 21B-2812B	API/UWI #: 05-123-37766	
Field: Wattenberg	City (SAP): NEW RAYMER	County/Parish: Weld	State: Colorado
Lat: N 40.83 deg. OR N 40 deg. 49 min. 47.978 secs.	Long: W 103.868 deg. OR W -104 deg. 7 min. 55.301 secs.		
Job Purpose: Cement Production Liner			
Well Type: Development Well	Job Type: Cement Production Liner		
Sales Person: PLIENESS, RYAN	Srvc Supervisor: NIELSON, BRANDON	MBU ID Emp #: 479703	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BARNES, BRIAN L	10.8	485204	HARRAH, THADDEUS Gregory	10.8	552592	NIELSON, BRANDON K	10.8	479703
SCILEPPI, JOSEPH D	10.8	555492						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857012C	102 mile	11566182	102 mile	11645065	102 mile	11812069C	102 mile
12010172	102 mile	5707C	102 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	29 - Dec - 2013	07:45	MST
Form Type		BHST	Job Started	29 - Dec - 2013	13:56	MST
Job depth MD	12771. ft	Job Depth TVD	5878. ft	Job Completed	29 - Dec - 2013	17:21
Water Depth		Wk Ht Above Floor	12. ft	Departed Loc	29 - Dec - 2013	18:30
Perforation Depth (MD)	From	To				

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6" Open Hole Section				6.				6242.	12771.		
4-1/2" Production Liner	Unknown		4.5	4.	11.6		L-80	5187.	12761.		5878.
7" Intermediate Casing	Unknown		7.	6.276	29.		L-80	.	6242.		
4" Drill Pipe	Unknown		4.	3.34	14.			.	5250.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CHEM, CLA-WEB - TOTE	20	GAL		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
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Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	
Fluid Data													
Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		
1	Tuned Spacer III	TUNED SPACER III - SBM (483826)			20.00	bbl	12.	7.74	57.88	.0			
36.83 gal/bbl		FRESH WATER											
177.85 lbm/bbl		BARITE, BULK (100003681)											
2	13.8# ExpandaCem B2	EXPANDACEM (TM) SYSTEM (452979)			451.0	sacks	13.8	1.68	7.74		7.74		
7.74 Gal		FRESH WATER											
Calculated Values		Pressures			Volumes								
Displacement		Shut In: Instant				Lost Returns	0	Cement Slurry			Pad		
Top Of Cement		5 Min				Cement Returns	0	Actual Displacement			Treatment		
Frac Gradient		15 Min				Spacers	19	Load and Breakdown			Total Job		
Rates													
Circulating		Mixing				Displacement		Avg. Job					
Cement Left In Pipe	Amount	90 ft	Reason	Shoe Joint									
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct					Customer Representative Signature								