

The Road to Excellence Starts with Safety

Sold To #: 306489	Ship To #: 3112285	Quote #:	Sales Order #: 900899184
Customer: WHITING OIL & GAS CORP EBUSINESS		Customer Rep: Pettjohn, Will	
Well Name: Razor		Well #: 21B-2810B	API/UWI #: 05-123-37978
Field: WILD CAT	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. 55.2 secs.	
Contractor: Frontier		Rig/Platform Name/Num: Frontier 26	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: PLIENESS, RYAN	Srvc Supervisor: OTERI, VAUGHN		MBU ID Emp #: 443828

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ACEVEDO, ROBERTO Carlos	0.0	551312	HARRAH, THADDEUS Gregory	0.0	552592	MAYFIELD, BYRON L	0.0	528751
MULLER, MICHEL B	0.0	529830	OTERI, VAUGHN Steeves	0.0	443828			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10246780C	100 mile	10829457	100 mile	10866493C	100 mile	10988836	100 mile
11036298	100 mile	11645063	100 mile	11812069C	100 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	14 - Nov - 2013	05:00 MST
Form Type		BHST			On Location	14 - Nov - 2013	10:30 MST
Job depth MD	6163. ft	Job Depth TVD	6163. ft		Job Started	14 - Nov - 2013	19:19 MST
Water Depth		Wk Ht Above Floor	5. ft		Job Completed	14 - Nov - 2013	19:24 MST
Perforation Depth (MD)	From		To		Departed Loc	14 - Nov - 2013	20:30 MST

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
8 3/4" Open Hole Section				8.75				.	4600.		
8 3/4" Open Hole Section				8.75				4600.	6186.		
7" Intermediate Casing	Unknown		7.	6.276	29.		L-80	.	6186.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1600.		

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	10.5	.0	.0	3.0	
	37.58 gal/bbl	FRESH WATER							
	88.7 lbm/bbl	BARITE, BULK (100003681)							
2	EconoCem B3	ECONOCEM (TM) SYSTEM (452992)	473.0	sacks	12.7	1.84	9.76	6.0	9.76
	0.3 %	HR-5, 50 LB SK (100005050)							
	9.76 Gal	FRESH WATER							
3	EXPANDACEM B2	EXPANDACEM (TM) SYSTEM (452979)	193.0	sacks	13.8	1.68	7.75	5.5	7.75
	0.1 %	HR-5, 50 LB SK (100005050)							
	7.75 Gal	FRESH WATER							
4	Displacement		226.00	bbl	9.8			8.0	
		<div> <div>The Information Stated Herein Is Correct</div> <div>Customer Representative Signature</div> </div>							