

The Road to Excellence Starts with Safety

Sold To #: 366960	Ship To #: 3186823	Quote #:	Sales Order #: 900990291
Customer: WHITING OIL & GAS CORP - EBUS		Customer Rep: Pettjohn, Will	
Well Name: Razor		Well #: 21B-2812B	API/UWI #: 05-123-37766
Field: WILD CAT	City (SAP): NEW RAYMER	County/Parish: Weld	State: Colorado
Lat: N 40.83 deg. OR N 40 deg. 49 min. 48 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 #
ALVARADO, JOSE Angel	0.0	505918	BEYER, BEAU Jon	0.0	560301	MULLER, MICHEL B	0.0	529830
OTERI, VAUGHN Steeves	0.0	443828	TAUILILI, SAIAIGA	0.0	545471	TORREY, SPENCER Kenneth	0.0	549837

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10857080C	100 mile	11036298	100 mile	11362287C	100 mile	11398319	100 mile
11562546C	100 mile	11633846C	100 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

Job Times

Formation Name					Called Out	Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		On Location	23 - Dec - 2013	05:00	MST
Form Type		BHST			Job Started	23 - Dec - 2013	14:00	MST
Job depth MD	6266. ft	Job Depth TVD	5265. ft		Job Completed	23 - Dec - 2013	17:08	MST
Water Depth		Wk Ht Above Floor	4. ft		Departed Loc	23 - Dec - 2013	19:08	MST
Perforation Depth (MD)	From		To			23 - Dec - 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				1651.	6242.	1651.	5265.
7" Intermediate Casing	Unknown		7.	6.276	29.		L-80	.	6242.	.	5265.
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1651.		

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	11.	6.74	50.43	3.0	
	37.58 gal/bbl	FRESH WATER							
	90.3 lbm/bbl	BARITE, 100 LB SK (100003680)							
2	12.7# EconoCem B3 Lead	ECONOCEM (TM) SYSTEM (452992)	475.0	sacks	12.7	1.84	9.76	6.7	9.76
	0.3 %	HR-5, 50 LB SK (100005050)							
	9.76 Gal	FRESH WATER							
3	13.8# EXPANDACEM B2 TAIL	EXPANDACEM (TM) SYSTEM (452979)	210.0	sacks	13.8	1.68	7.75	7.2	7.75
	0.1 %	HR-5, 50 LB SK (100005050)							
	7.75 Gal	FRESH WATER							
4	Displacement		236.0	bbl	9.8			6.0	
The Information Stated Herein Is Correct			Customer Representative Signature						