

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 306489		<b>Ship To #:</b> 3186825		<b>Quote #:</b>		<b>Sales Order #:</b> 900958338	
<b>Customer:</b> WHITING OIL & GAS CORP EBUSINESS				<b>Customer Rep:</b> Pettjohn, Will			
<b>Well Name:</b> Razor			<b>Well #:</b> 21B-2809A		<b>API/UWI #:</b> 05-123-37767		
<b>Field:</b> WILD CAT		<b>City (SAP):</b> NEW RAYMER		<b>County/Parish:</b> Weld		<b>State:</b> Colorado	
<b>Lat:</b> N 40.83 deg. OR N 40 deg. 49 min. 48 secs.				<b>Long:</b> W 103.868 deg. OR W -104 deg. 7 min. 55.2 secs.			
<b>Contractor:</b> Frontier			<b>Rig/Platform Name/Num:</b> Frontier 26				
<b>Job Purpose:</b> Cement Production Liner							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Production Liner			
<b>Sales Person:</b> CORMIER, ALLISON			<b>Srvc Supervisor:</b> FANTASIA, JOSEPH			<b>MBU ID Emp #:</b> 485445	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
FANTASIA, JOSEPH Brandon	19.0	485445	GRIFFITHS, ZACHARY Sakae	19.0	551430	HINKLE, BRADLEY Dean	19.0	512123
MILLS, CHUCK	19.0	1	NESBITT, ROY Iverson	19.0	537416			

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10866493C	100 mile	10977079	100 mile	11036301	100 mile	11410470C	100 mile
11562544C	100 mile	11645063	100 mile				

## Job

## Job Times

Formation Name				Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom	Called Out	10 - Dec - 2013	06:00 MST
Form Type		BHST		On Location	10 - Dec - 2013	13:00 MST
Job depth MD	12778. ft	Job Depth TVD		Job Started	11 - Dec - 2013	03:00 MST
Water Depth		Wk Ht Above Floor		Job Completed	11 - Dec - 2013	06:00 MST
Perforation Depth (MD)	From		To	Departed Loc	11 - Dec - 2013	08:00 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
6" Open Hole Section				6.				6186.	12749.		
4-1/2" Production Liner	Unknown		4.5	4.	11.6		L-80	5405.	12749.		
7" Intermediate Casing	Unknown		7.	6.276	29.		L-80	.	6186.		
4" Drill Pipe	Unknown		4.	3.34	14.			.	5405.		

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /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	4		
36.83 gal/bbl		FRESH WATER								
117.6 lbm/bbl		BARITE, 100 LB SK (100003680)								
2	Lead Cement	EXPANDACEM (TM) SYSTEM (452979)	530.0	sacks	13.8	1.68	7.72	4	7.72	
7.72 Gal		FRESH WATER								
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe		Amount	42 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						