

## The Road to Excellence Starts with Safety

Sold To #: 356801	Ship To #: 2782324	Quote #:	Sales Order #: 7344427
Customer: PINE RIDGE OIL & GAS LLC	Customer Rep: Felman, Moe		
Well Name: Dolly Varden	Well #: 41-20	API/UWI #:	
Field: FURY	City (SAP): FLORENCE	County/Parish: Fremont	State: Colorado
Contractor: Capstar	Rig/Platform Name/Num: Capstar Drilling 324		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: FLING, MATTHEW	Srvs Supervisor: SANFORD, DALE	MBU ID Emp #: 219527	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HALE, ROBERT E	16	470588	REA, WADE Hammond	16	459536	SANFORD, DALE A	16	219527
VASQUEZ, ALVARO A	16	401745						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10724567C	150 mile	10948696	150 mile	10972458	150 mile	11064046	150 mile
11398490	150 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				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	02 - May - 2010	16:00	MST
Form Type		BHST		On Location	02 - May - 2010	22:30	MST
Job depth MD	680. ft	Job Depth TVD	680. ft	Job Started	02 - May - 2010	12:20	MST
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	03 - May - 2010	13:14	MST
Perforation Depth (MD)	From	To		Departed Loc	03 - May - 2010	14:30	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
Open Hole				12.25					680.		
Surface Casing	Unknown		8.625	8.097	24.				680.		

Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,WOODN,TWO CUP TY,8 5/8 IN	1	EA		

## 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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**HALLIBURTON****Cementing Job Summary**

Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty		
<b>Fluid Data</b>														
<b>Stage/Plug #: 1</b>														
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	Water Spacer		20.00	bbl	8.33	.0	.0	.0						
2	Lead Cement	HALLIBURTON LIGHT STANDARD - SBM (12313)	281.0	sacks	13.3	1.62	8.1	5.0	8.1					
	0.25 lbm	POLY-E-FLAKE (101216940)												
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)												
	8.1 Gal	FRESH WATER												
3	Tail Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	100.0	sacks	14.5	1.41	6.83	5.0	6.83					
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)												
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)												
	0.25 lbm	POLY-E-FLAKE (101216940)												
	6.83 Gal	FRESH WATER												
4	Top off Cement	CMT - STANDARD TYPE I / II CEMENT (101439798)		sacks	15.8	1.15	5.0		5.0					
	94 lbm	TYPE I / II CEMENT, BULK (101439798)												
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)												
	5 Gal	FRESH WATER												
<b>Calculated Values</b>			<b>Pressures</b>			<b>Volumes</b>								
Displacement			Shut In: Instant			Lost Returns			Cement Slurry			Pad		
Top Of Cement			5 Min			Cement Returns			Actual Displacement			Treatment		
Frac Gradient			15 Min			Spacers			Load and Breakdown			Total Job		
<b>Rates</b>														
Circulating			Mixing			Displacement			Avg. Job					
Cement Left In Pipe			Amount 0 ft			Reason			Shoe Joint					
Frac Ring # 1 @			ID			Frac ring # 2 @			ID			Frac Ring # 3 @		
												ID		
The Information Stated Herein Is Correct						Customer Representative Signature								



# Rat Hole Drilling and Hotshot

P.O. Box 907 • Mills, WY 82644  
(307) 237-3852 • Fax (307) 473-5339

Large Diameter Holes

Field Ticket # \_\_\_\_\_

On Location Time (A.M. - P.M.)

Company to Bill Price R. Dep

Date 4-27 Start 7:30 AM Finish 1:30 PM

Address 50-600 17th Street 8005

Date \_\_\_\_\_ Start \_\_\_\_\_ Finish \_\_\_\_\_

ATF 940-240-2000

Date \_\_\_\_\_ Start \_\_\_\_\_ Finish \_\_\_\_\_

ATF 1034112

Date \_\_\_\_\_ Start \_\_\_\_\_ Finish \_\_\_\_\_

Phone Number \_\_\_\_\_

Town \_\_\_\_\_

Rig Name & Number \_\_\_\_\_

Unit # B6

Well Number Polly varden 44-20

Driller Travis

Helper Cecelia

## ITEM

Conductor Hole: Depth 53 Diameter 24

Cellar 5x4

Rock Drilling \_\_\_\_\_ Hrs. \_\_\_\_\_

Cement Fremont 16 1/2 yd

Pipe 16x55

Rat Hole \_\_\_\_\_ Liners \_\_\_\_\_

Mouse Hole \_\_\_\_\_ Liners \_\_\_\_\_

Rock Time: RH \_\_\_\_\_ MH \_\_\_\_\_

Teeth: Regular: Small \_\_\_\_\_ Large \_\_\_\_\_

Tungston: Small \_\_\_\_\_ Large \_\_\_\_\_

Cellar Ring 5x4

Welding \_\_\_\_\_ Hrs. \_\_\_\_\_

Other shut in soil 6h

Mileage: Drill \_\_\_\_\_

Utility Truck \_\_\_\_\_

Travel Time \_\_\_\_\_ Hrs. \_\_\_\_\_

\_\_\_\_\_ Hrs. \_\_\_\_\_

\_\_\_\_\_ Hrs. \_\_\_\_\_

Authorization [Signature]

Print Name Tomi Husey

Field Estimate: \_\_\_\_\_

% Tax: \_\_\_\_\_

TOTAL \_\_\_\_\_

Terms: Net 30 days

GAR 1 310 13:01 04/27/10 25130

5.00 0.00 5.00 3000 PSI 55-45 EXT

MATERIAL	REQ'D	BAT'D	MIX	TOL	ACWAT	%MST
SAND	8805	8720	LB 1700	-1.0	36.3	3.59A
3/4 W ROCK	7000	7000	LB 1400	0.0	0.0	0.00
CEMENT	2000	2020	LB 400	1.0	0.0	
FLYASH	350	350	LB 70	0.0	0.0	
WATER	118	119	GL 31.0	0.9	#119.0	
AIR 40	4	5	OZ 0.80	25.0	0.0	
MNX-15	120	120	OZ 24.00	0.0	0.0	
MNX ACN	0	0	OZ 0.00	0.0	0.0	

DATE & TIME 04/27/10 13:03  
PLANT No: 1  
BATCH No: 25130 DROPS: 1  
TRUCK 310 DRIVER: GARY  
QUAN 5.00YD MIX: 1F55453000  
SLUMP 4.0 in  
% HOT WATER 0  
WAT ADJUST 0.0  
AGG ST 80  
AGG ET 80  
CEM ST 10  
CEM ET 10  
HI ST ADX NONE

MANUAL 12:59  
NO MANUAL TRIM

WAT IN TRK = 0.0  
WAT TO ADD = 0.0  
TOTAL WAT = 155.3  
WAT/CEM = 0.546A