

The Road to Excellence Starts with Safety

Sold To #: 345242	Ship To #: 3110067	Quote #:	Sales Order #: 900799120
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: Beam, Ryan	
Well Name: Gehring	Well #: #1	API/UWI #: 05-123-11114	
Field: WATTENBERG	City (SAP): LA SALLE	County/Parish: Weld	State: Colorado
Lat: N 40.321 deg. OR N 40 deg. 19 min. 17.278 secs.		Long: W 104.567 deg. OR W -105 deg. 25 min. 57.324 secs.	
Contractor: Workover		Rig/Platform Name/Num: Workover	
Job Purpose: Recement Service			
Well Type: Development Well		Job Type: Recement Service	
Sales Person: FLING, MATTHEW	Srv Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DODSON, RICHARD Bryan	0.0	518192	LAVALLEY, LARRY	1	419296	SIMMONS, KEATON J	1	524850
VIATOR, JASON R.	1	550394	WILEY, JAMES A	1	440080			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11019824C	33 mile	11542778	33 mile	12010173	33 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/7/2013	1.5	.5						

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	04 - Oct - 2013	04:30	MST
Form Type	BHST			On Location	07 - Oct - 2013	07:00	MST
Job depth MD	562. ft	Job Depth TVD	562. ft	Job Started	07 - Oct - 2013	08:55	MST
Water Depth	Wk Ht Above Floor			Job Completed	07 - Oct - 2013	09:20	MST
Perforation Depth (MD)	From		To	Departed Loc	07 - Oct - 2013	10:00	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
11." Open Hole				12.				336.	562.		
Surface Casing	Used		8.625	8.097	24.		J-55	.	336.	.	336.
1 1/4"	Unknown		1.25	.			K-55	.	562.		
4 1/2" Production Casing	Unknown		3.5	3.068	7.7			.	336.		562.

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	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON**Cementing Job Summary**

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	15.8# Cement	HALCEM (TM) SYSTEM (452986)	122.0	sacks	15.8	1.15	5.0		5.0
5 Gal		FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	1.5	Shut In: Instant		Lost Returns	0	Cement Slurry	25	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	5	Actual Displacement	1.5	Treatment	
Frac Gradient		15 Min		Spacers	1	Load and Breakdown		Total Job	27.5
Rates									
Circulating		Mixing	2	Displacement	2	Avg. Job	2		
Cement Left In Pipe	Amount	0 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					

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Legal Description:			
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Job Purpose: Recement Service			Ticket Amount:
Well Type: Development Well		Job Type: Recement Service	
Sales Person: FLING, MATTHEW		Srv Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/07/2013 04:00							
Arrive at Location from Service Center	10/07/2013 07:00							DID HAZARD HUNT AND SPOTTED TRUCKS AND RIGGEDUP
Wait on Customer or Customer Sub-Contractor Equip	10/07/2013 07:35							WAIT ON CO REP AND WATER TRUCK TO ARRIVE AT LOCATION
Wait on Customer or Customer Sub-Contractor Equipm	10/07/2013 08:45							SITE TURNED OVER TO HES TO FINISH RIG UP
Safety Meeting - Pre Job	10/07/2013 08:50							HELD SAFETY MEETING WITH ALL 3RD PARTY AND HES ON SITE
Start Job	10/07/2013 08:55							ARRIVED LOCATION AND DID SITE ASSESSMENT
Test Lines	10/07/2013 08:55					1842. 0		FRESH WATER WITH NO ADDITIVES
Pump Spacer 1	10/07/2013 08:56		1	1	1	57.0		FRESH WATER WITH NO ADDITIVES,TO ESTABLISH INJECTION RATE
Pump Lead Cement	10/07/2013 09:06		2	25	26	970.0		122 SKS HALCEM MIXED @ 15.8 PPG YIELD 1.15 FT3/FT AND 5.0 GAL/SK
Pump Displacement	10/07/2013 09:20		1	1.5	27.5	1069. 0		FRESH WATER WITH NO ADDITIVES. AND 5 BBLs CEMENT BACK TO SURFACE
Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		Comments

Cementing Job Log

		#		Stage	Total	Tubing	Casing	
End Job	10/07/2013 09:22							HELD SAFETY MEETING TO RIG DOWN AND DEPART LOCATION
Safety Meeting - Pre Rig- Down	10/07/2013 09:30							

4.0 Attachments

4.1 NOBLE ENERGY GEHRING #1-Custom Results.png

