

Sold To #: 345242	Ship To #: 3672663	Quote #:	Sales Order #: 0902650627
Customer: NOBLE ENERGY INC E-BUSINESS		Customer Rep: JOHNNY SANCHUZ	
Well Name: GREYSON		Well #: LD28-767	API/UWI #: 05-123-41585-00
Field: WILDCAT	City (SAP): RAYMER	County/Parish: WELD	State: COLORADO
Legal Description: SE SW-28-9N-58W-610FSL-1635FWL			
Contractor: H & P DRLG		Rig/Platform Name/Num: H & P 343	
Job BOM: 7522			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HB45834		Srcv Supervisor: Vaughn Oteri	
Job			

Formation Name		
Formation Depth (MD)	Top	Bottom
Form Type		BHST 225 degF
Job depth MD	6278ft	Job Depth TVD
Water Depth		Wk Ht Above Floor
Perforation Depth (MD)	From	To

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing	0	9.625	8.921	36	BTC	J-55	0	1125	0	0
Casing	0	7	6.276	26	BTC	P-110	0	6268		0
Open Hole Section			8.75				1125	6278	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	7					Top Plug	7	2	HES
Float Shoe	7	1		6268		Bottom Plug	7	1	HES
Float Collar	7	1		6222		SSR plug set	7		
Insert Float	7					Plug Container	7	1	HES
Stage Tool	7					Centralizers	7		HES

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									
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	12.5 lb/gal Tuned Spacer III	Tuned Spacer III	50	bbl	12.5	2.76	17	6	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	ElastiCem	ELASTICEM (TM) SYSTEM	476	sack	13.6	1.89		6	8.56
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement	Displacement	237	bbl	8.33				
Cement Left In Pipe		Amount	42 ft		Reason		Shoe Joint		
Comment TRACE OF SPACER BACK TO SURFACE									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	PS Pump Press (psi)	DH Density (ppg)	PS Pump Rate (bbl/min)	Comments
Event	1	Call Out	Call Out	8/13/2015	02:00:00	USER				CALL OUT FROM ARS HUB
Event	2	Arrive At Loc	Arrive At Loc	8/13/2015	07:15:00	USER				REQUESTED ON LOCATION @0800 ARRIVED ON LOCATION @ 0715 MET WITH COMPANY REP TO DISCUSS JOB PROCESS AND CONCERNS ADVISED THAT THEY HAD ABOUT 2000 FEET OF CASIN LEFT TO RUN
Event	3	Start Job	Start Job	8/13/2015	12:26:23	COM1				HELD PREJOB SAFETY MEETING WITH ALL HANDS ON LOCATION TO DISCUSS JOB PROCESS AND HAZARDS, PRELOADED ALL THREE PLUGS INTO CEMENT HEAD WITNESSED BY COMPANY REP
Event	4	Test Lines	Test Lines	8/13/2015	12:35:15	COM1	3966.00	8.37	0.00	PRESSURE TESTED PUMPS AND LINES FOUND NO LEAKS AND PRESSURE HELD GOOD
Event	5	Drop Bottom Plug	Drop Bottom Plug	8/13/2015	12:38:41	COM1				RELEASED PLUG WITNESSED BY COMPANY REP
Event	6	Pump Spacer 1	Pump Spacer 1	8/13/2015	12:39:09	COM1	500.00	12.50	5.00	MIXED 50BBBL OF 12.5PPG TUNED SPACER AT 6.0BPM 600PSI
Event	7	Drop Bottom Plug	Drop Bottom Plug	8/13/2015	12:49:13	COM1				RELEASED PLUG WITNESSED BY COMPANY REP
Event	8	Pump Cement	Pump Cement	8/13/2015	12:49:35	COM1	185.00	13.60	7.00	MIXED 160BBL OF 13.6PPG ELSATICEM AT 8.0BPM 953PSI
Event	9	Shutdown	Shutdown	8/13/2015	13:13:58	COM1				
Event	10	Drop Top Plug	Drop Top Plug	8/13/2015	13:16:14	COM1				RELEASED PLUG WITNESSED BY COMPANY REP
Event	11	Pump Displacement	Pump Displacement	8/13/2015	13:16:23	COM1	1900.00	10.80	7.00	PUMPED 237BBL OF DRILL MUD TO DISPALCE CEMENT
Event	12	Bump Plug	Bump Plug	8/13/2015	14:03:15	COM1	2831.00	8.33	0.00	BUMP PLUG 500PSI OVER FINAL PRESSURE
Event	13	Pressure Up Well	Pressure Up Well	8/13/2015	14:03:26	COM1	2835.00	8.33	0.00	PRESSURE UP WELL TO TEST CASING PER NOBLE POLICY
Event	14	Other	Other	8/13/2015	14:18:50	COM1				RELEASED PRESSURE BACK TO PUMP TRUCK TO CHECK FLOATS 2.5BBL BACK