



02054214

ado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver Colorado 80203 (303) 894-2100 Fax (303) 894-2109



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COGCC

WELL ABANDONMENT REPORT

Submit original plus one copy. This form is to be submitted as an intent whenever a plugging is planned on a borehole. The approved intent shall be valid for twelve months after the approval date after that period a new intent will be required. After the plugging is complete, this form and one copy shall again be submitted as a subsequent report of the work as actually completed.

COGCC Operator Number: 100322 Name of Operator: Noble Energy Inc. Address: 1625 Broadway, Suite 2200 City: Denver State: CO Zip: 80202	Contact Name & Telephone Kate Shirley No: 303-228-4443 Fax: 303-228-4280	24 hour notice required, contact: Tel: _____
API Number 05-045-15471-00 Well Name: Battlement Mesa Well Number: 36-23C Location (QtrQtr, Sec, Twp, Rng, Meridian): NWSW, Sec. 36, T7S, R95W, 6TH P.M. County: Garfield-045 Federal, Indian or State Lease Number: _____ Field Name: Parachute Field Number: 67350	Complete the Attachment Checklist Oper OGCC Wellbore Diagram Cement Job Summary Wireline Job Summary	

☐ Notice of Intent to Abandon ☒ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.392162 Longitude: -107.952766
GPS Data:
Date of Measurement: 6/23/2008 PDOP Reading: 1.9 Instrument Operator's Name: Robert Wood
Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☒ Mechanical Problems ☐ Other
Casing to be Pulled: ☐ Yes ☒ No Top of Casing Cement: _____
Fish in Hole: ☐ Yes ☒ No If yes, explain details below
Wellbore has Uncemented Casing Leaks: ☐ Yes ☒ No If yes, explain details below
Details: WHILE DRILLING SURFACE HOLE, HAD PROBLEMS DRILLING THROUGH BOULDERS

Current and Previously Abandoned Zones

Formation	Perforations - Top	Perforations - Bottom	Date Abandoned	Method of Isolation (None, Squeezed, BP, Cement, etc.)	Plug Depth

Casing History

String	Size of Hole	Size of Casing	Weight per ft	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Cond.	20"	16"	Line Pipe	100'	50	100'	Surface

Plugging Procedure for Intent and Subsequent Report

DA CIBP #1: Depth 200' with 900 sacks cmt on top. CIBP #2: Depth 155' ft. to 155' SURFACE ft. in. ☐ Casing ☒ Open Hole ☐ Annulus
Set 200' sks cmt from 155' ft. to 145' ft. in. ☐ Casing ☒ Open Hole ☐ Annulus
Set 200' sks cmt from 145' ft. to 145' ft. in. ☐ Casing ☒ Open Hole ☐ Annulus
Set 200' sks cmt from 145' ft. to 145' ft. in. ☐ Casing ☒ Open Hole ☐ Annulus
Set 200' sks cmt from 125' ft. to 105' ft. in. ☐ Casing ☒ Open Hole ☐ Annulus
Set 100' sks cmt from 105' ft. to 0' ft. in. ☐ Casing ☒ Open Hole ☐ Annulus
Perforate and squeeze at _____ ft. with _____ sacks Leave at least 100 ft. in casing
Perforate and squeeze at _____ ft. with _____ sacks Leave at least 100 ft. in casing
Perforate and squeeze at _____ ft. with _____ sacks Leave at least 100 ft. in casing
Set _____ sacks half in, half out surface casing from _____ ft. to _____ ft.
Set _____ sacks at surface
Cut four feet below ground level, weld on plate
Set _____ sacks in rat hole Set 50 Dry-Hole Marker: ☐ Yes ☐ No sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ in. casing Plugging date: 7/13/2008
*Wireline Contractor: _____ *Cementing Contractor: Halliburton
Type of Cement and Additives Used: Class G
*Attach job summaries.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Kate Shirley Email: kshirley@nobleenergyinc.com
Signed: Kate Shirley Title: Regulatory Specialist Date: 1/19/2009
OGCC Approved: David Anderson Title: PE II Date: 2/4/2010
CONDITIONS OF APPROVAL, IF ANY:

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P & A CMT TICKETS

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2662188		Quote #:		Sales Order #: 6024264	
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: CATES, RANDY			
Well Name: BM			Well #: 36-23C			API/UWI #: 05-045-15471	
Field:		City (SAP): UNKNOWN		County/Parish: Garfield			State: Colorado
Lat: N 39.392 deg. OR N 39 deg. 23 min. 31.736 secs.				Long: W 107.953 deg. OR W -108 deg. 2 min. 50.284 secs.			
Contractor: PATTERSON 166			Rig/Platform Name/Num: PATTERSON 166				
Job Purpose: Plug-Lost Circulation Service							
Well Type: Development Well			Job Type: Plug-Lost Circulation Service				
Sales Person: HARTLEY, RICHARD			Srv Supervisor: LEIST, MICHAEL			MBU ID Emp #: 244053	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BORSZICH, STEPHEN A		412388	JARDINE, JASON Dale		332624	LEIST, MICHAEL William		244053
LYNGSTAD, FREDRICK D		403742	THOMAS, RUSSELL Edward		437984			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10219244C	60 mile	10638363	60 mile	10744081C	60 mile	10973571	60 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

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	155. ft	155. ft				
							Wk Ht Above Floor			3. ft

Job Times

Date	Time	Time Zone
11 - Jul - 2008	11:00	MST
11 - Jul - 2008	18:30	MST
11 - Jul - 2008	19:00	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
Open Hole				14.375					400.		400.

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	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

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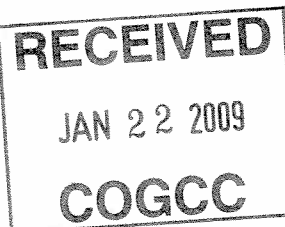
COGCC

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Cementing Job Summary

Stage/Plug #: 1									
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	water spacer			bbl	.	.0	.0	.0	
2	Tall Cement	PLUGCEM (TM) SYSTEM (452969)	600.0	sacks	15.8	1.16	5.0		
3	displacement			bbl	.	.0	.0	.0	
4	SUPER FLUSH 101	SUPER FLUSH 101 - SBM (12199)	30.0	bbl	10.	.0	.0	.0	
Calculated Values		Pressures		Volumes					
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	
Rates									
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	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

HALLIBURTON



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Field:		City (SAP): UNKNOWN		County/Parish: Garfield		State: Colorado	
Legal Description:							
Lat: N 39.392 deg. OR N 39 deg. 23 min. 31.736 secs.				Long: W 107.953 deg. OR W -108 deg. 2 min. 50.284 secs.			
Contractor: PATTERSON 166			Rig/Platform Name/Num: PATTERSON 166				
Job Purpose: Plug-Lost Circulation Service						Ticket Amount:	
Well Type: Development Well			Job Type: Plug-Lost Circulation Service				
Sales Person: HARTLEY, RICHARD			Srv Supervisor: LEIST, MICHAEL			MBU ID Emp #: 244053	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	07/11/2008 11:00							
Depart Yard Safety Meeting	07/11/2008 12:30							
Arrive at Location from Service Center	07/11/2008 18:00							
Pre-Rig Up Safety Meeting	07/11/2008 18:15							
Rig-Up Equipment	07/11/2008 18:30							
Pre-Job Safety Meeting	07/11/2008 18:45							
Start Job	07/11/2008 19:00							
Test Lines	07/11/2008 19:01					2000. 0		
Pump Spacer 1	07/11/2008 19:08		4	10		10.0		
Pump Tail Cement	07/11/2008 19:11		4	41.8		50.0		200 SKS 15.8# 1.15 YIELD
Pump Displacement	07/11/2008 19:23		4	0.5		143.0		
Other	07/11/2008 19:23							BALANCE PLUG---PIPE ON SUCK
Pause	07/11/2008 19:24							WAIT ON CEMENT-- WAIT 4 HOURS RIH AND TAG CEMENT
Pump Spacer 1	07/11/2008 23:38		4	10		5.0		
Pump Tail Cement	07/11/2008 23:43		4	41.8		140.0		200 SKS 15.8# 1.15 YIELD
Pump Displacement	07/11/2008 23:53		4	1		5.0		
Other	07/11/2008 23:53							BALANCE PLUG---PIPE ON SUCK

Sold To #: 7.20.130

Ship To #: 2662188

Quote #:

Sales Order #:

6024264

SUMMIT Version: 7.20.130

Saturday, July 12, 2008 09:42:00

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Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pause	07/11/2008 23:54							WAIT ON CEMENT-- WAIT 4 HOURS RIH AND TAG CEMENT
Wait on HES or HES Sub- Contractor Equipment - Star	07/12/2008 00:01							ZS-4 JIMMY MOTOR SEIZED CALLED FOR NEW TRUCK
Wait on HES Materials to Arrive - End Time	07/12/2008 04:00							ELITE 5 ARRIVED ON LOCATION
Start Job	07/12/2008 05:49							
Test Lines	07/12/2008 05:49					2500. 0		
Pump Spacer 1	07/12/2008 05:51		4	10		10.0		
Pump Spacer 2	07/12/2008 05:54		4	15		32.0		SUPERFLUSH 101
Pump Spacer 1	07/12/2008 05:58		4	7		11.0		
Pump Tail Cement	07/12/2008 06:03		4	41.8		44.0		200 SKS 15.8# 1.15 YIELD
Pump Displacement	07/12/2008 06:14		4	2		137.0		
Other	07/12/2008 06:15							BALANCE PLUG---PIPE ON SUCK
Pause	07/12/2008 06:17							WAIT ON CEMENT-- WAIT 4 HOURS RIH AND TAG CEMENT
Wait on HES Materials to Arrive - Start Time	07/12/2008 06:25							ORDERED 500 ADDITIONAL SACKS OF CEMENT
Wait on HES Materials to Arrive - End Time	07/12/2008 15:15							CEMENT ARRIVED ON LOCATION
Pump Spacer 1	07/12/2008 16:14		4	10		10.0		
Pump Spacer 2	07/12/2008 16:17		4	15		16.0		SUPERFLUSH 101
Pump Spacer 1	07/12/2008 16:23		4	8		12.0		
Pump Tail Cement	07/12/2008 16:26		4	41.8		114.0		200 SKS 15.8# 1.15 YIELD, 10 BBLs INTO CEMENT WE SEEN SUPERFLUSH
Pump Displacement	07/12/2008 16:36		4	2		10.0		
Other	07/12/2008 16:37							BALANCE PLUG---PIPE ON SUCK

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COGCC***Cementing Job Log***

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pause	07/12/2008 16:38							WAIT ON CEMENT-- WAIT 4 HOURS RIH AND TAG CEMENT
Other	07/12/2008 16:50							WHEN RIG TRIPPED OUT OF HOLE, CEMENT WAS SEEN 60' DOWN ON PIPE.
Test Lines	07/12/2008 20:54					3000. 0		PIPE 105' IN HOLE
Pump Spacer 1	07/12/2008 20:55		2	7		11.0		
Pump Tail Cement	07/12/2008 20:59		4	21		8.0		100 SKS 15.8# 1.16 YIELD
Pump Displacement	07/12/2008 21:05		4	2		172.0		
Other	07/12/2008 21:10							BALANCE PLUG---GOT FLOWBACK--PLUG BALANCED 1 BBL CEMENT TO SURFACE
End Job	07/12/2008 21:15							

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