

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2



FOR OGCC USE ONLY

RECEIVED

NOV - 8 04

Plugging Bond Surety ID#
COGCC 20030009

1. Drill, Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL
 OIL GAS COALBED OTHER: _____
 SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Refilling
 Sidetrack

3. OGCC Operator Number: **100322** 4. Name of Operator: **Noble Energy, Inc.**

5. Address: **100 Glenborough Dr., #100** City: **Houston** State: **TX** Zip: **77067**

6. Contact Name: **Judy Throneberry** Phone: **(281) 872-3100** Fax: **(281) 876-8891**

7. Well Name: **Brown** Well Number: **34-32**

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Depth: **2500'**

10. QtrQtr: **SWSE** Sec: **32** Twp: **1N** Rng: **45W** Meridian: **6th**

11. Field Name: **Republican** Field Number: **73275**

12. Ground Elevation: **3850** 13. County: **Yuma**

14. If well is: Directional Horizontal (highly deviated), submit deviated drilling plan.
 Footage from Exterior Section Lines and Sec Twp Rng:
 At Top of Production Zone: _____ At Bottom Hole: _____

15. Is location in a high density area (Rule 603b)? Yes No

16. Distance to the nearest building, public road, above ground utility or railroad: **690'**

17. Distance to Nearest Property Line: **690'** 18. Distance to nearest well completed in the same formation: **1213'**

Complete the Attachment Checklist

	OP	OGCC
APD Orig & 1 Copy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Form 2A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Well location plat	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Topo map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mineral lease map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Surface agrmt/Surety	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
30 Day notice letter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Deviated Drilling Plan	<input type="checkbox"/>	<input type="checkbox"/>
Exception Loc Request	<input type="checkbox"/>	<input type="checkbox"/>
Exception Loc Waivers	<input type="checkbox"/>	<input type="checkbox"/>
H2S Contingency Plan	<input type="checkbox"/>	<input type="checkbox"/>
Federal Drilling Permit	<input type="checkbox"/>	<input type="checkbox"/>

LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number (s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
Niobrara	NBRR	318-7	640' 160	Sec. 32: all SE

20. Mineral Ownership: Fee State Federal Indian
 21. Surface Ownership: Fee State Federal Indian
 22. Is the Surface Owner also the Mineral Owner? Yes No
 If No: Surface Owners Agreement Attached or \$25,000 Blanket Surface Bond \$2,000 Surface Bond \$5,000 Surface Bond
 23. Describe lease area associated only with the proposed well by QtrQtr, Sec, Twp, Rng (attach separate sheet/map if required):
Sec. 32 (All), T1N, R45W
 24. Distance to Nearest Lease Line: **690'** 25. Total Acres in Lease: **640**

DRILLING PLANS AND PROCEDURES

26. Is H2S anticipated? Yes No If Yes, attach contingency plan.

27. Will salt sections be encountered during drilling? Yes No

28. Will salt (>15,000 ppm TDS Cl) or oil based muds be used during drilling? Yes No

29. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? Yes No

30. Mud disposal: Offsite Onsite
 Method: Land Farming Land Spreading Disposal Facility Other: _____

NOTE: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b.) If air/gas drilling, notify local fire officials.

String	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surface	9 7/8"	7"	17#	280'	100	280'	surface
Production	6 1/4"	4 1/2"	10.5#	2500'	200	2500'	surface

31. BOP Equipment Type: Annular Preventor Double Ram Rotating Head None

32. Comments **WE HAVE COMPLIED WITH RULE 306**

33. Rule 306 Consultation has taken place or is not required. Provide supporting documentation if consultation has been waived or good faith effort did not result in consultation.
 I hereby certify that a complete permit package has been sent to the applicable county and all statements made in this form are, to the best of my knowledge, true, correct, and complete.
 Signed: Barbara Godejohn Print Name: **Barbara Godejohn**
 Title: **Sr. Regulatory Specialist** Date: **November 4, 2004**

Based on the information provided herein, this application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

OGCC Approved: Ben J. Mack MB Director of COGCC Date: 12/3/2004

Permit Number: 20042801 Expiration Date: 12/2/2005

API NUMBER
05- 125-08986-00

CONDITIONS OF APPROVAL, IF ANY:

NOTE SURFACE CASING SETTING DEPTH CHANGE FROM 280 FT TO 290 FT.
 CONTACT KEVIN LIVELY @ 970-522-6747. 24 HRS PRIOR TO SPUD SET SURFACE CASING AT LEAST 50' INTO PIERRE SHALE FOR AQUIFER COVERAGE. THIS MAY BE IN EXCESS OF THE APPROVED SURFACE CASING SETTING DEPTH. CEMENT TO SURFACE. IF DRY HOLE, SET 35 SKS CEMENT ABOVE NIOBRARA, 35 SKS CEMENT 1/2 IN 1/2 OUT SURFACE CASING, 10 SKS CEMENT AT SURFACE, CUT 4' BELOW GL, WELD ON PLATE.



Selected Items Report

Oil and Gas Wells Selected							
Filter Results by Formation Include <input type="checkbox"/> <input type="button" value="Filter"/>							
WELL DESCRIPTION		LOCATION		WELL INFORMATION			
Facilities Selected							
FACILITY DESCRIPTION		LOCATION		PIT INFORMATION			
				Type	Unlined	Status	
Water Wells Selected							
Filter Results by Depth Greater than <input type="checkbox"/> <input type="button" value="Filter"/>							
WELL DESCRIPTION			LOCATION	WELL INFORMATION			
				Depth	Top Perf	Bottom Perf	Aquifer
Receipt=0244836, Permit=0135775--, BOWMAN J			SESE 31 1N-45W	0	0	0	GW
Receipt=9067337, Permit=0011790-RFP-, STULTS MELVIN			SENE 32 1N-45W	150	0	0	TO
Receipt=9066987, Permit=0009136-F-, BROWN BARRY R & VIRGINIA M			SWNE 32 1N-45W	240	0	0	GW

Well name and number: **BROWN-34-32**

SWSE 32-14-45W

Survey Plat Check list

number	Item	
	8-1/2" x 11" scaled drawing of the entire section	✓
1	Dimensions on adjacent exterior section lines sufficient to completely describe the quarter section containing the proposed well shall be indicated	✓
1a	If dimensions are not field measured, state how the dimensions were determined	✓
2	For directional drilling into an adjacent section, that section shall also be shown on the location plat and dimensions on exterior section lines sufficient to completely describe the quarter section containing the proposed productive interval and bottom hole location shall be indicated.	—
3	For irregular, partial or truncated sections, dimensions will be furnished to completely describe the entire section containing the proposed well.	—
4	The field measured distances from the nearer north/south and nearer east/west section lines shall be measured at ninety (90) degrees from said section lines to the well location and referenced on the plat.	✓
4.1*	For unsurveyed land grants and other areas where an official public land survey system does not exist the well locations shall be spotted as footages on a protracted section plat using Global Positioning System (GPS) technology and also reported as latitude and longitude in accordance with the requirements set forth below: in 4A, 4B, 4C	—
4A*	All GPS data reported to the Commission shall be differentially corrected using base station data or other correction sources. The base station or other correction source shall be identified and reported with the coordinate values.	—
4B*	Coordinates shall be reported as latitude and longitude in decimal degrees to an accuracy of at least five (5) decimal places (e.g.; latitude 37.12345 N, longitude 104.45632 W).	—
4C*	All data shall be referenced to the North American Datum (NAD) of 1927.	—
4D	The date of the survey shall be reported.	✓
5	A map legend	✓
6	A North Arrow	✓
7	A scale expressed as an equivalent (e.g. 1" = 1000').	✓
8	A bar scale.	✓
9	The ground elevation.	✓
10	The basis of the elevation (how it was calculated or its source).	✓
11	The basis of bearing or interior angles used.	✓
12	Complete description of monuments and/or collateral evidence found; all aliquot corners used shall be described.	✓
13	The legal land description by section, township, range, principal meridian, baseline and county.	✓
14	Operator name	✓
15	Well name and number	✓
16	Date of completion of scaled drawing	✓
17a	All visible improvements within two hundred (200) feet of a wellhead (or, in a high density area within four hundred (400) feet of a wellhead) shall be physically tied in and plotted on the well location plat or on an addendum, with a horizontal distance and approximate bearing from the well location.	✓
17b	Visible improvements shall include, but not be limited to, all buildings, publicly maintained roads and trails, major above-ground utility lines, railroads, pipelines, mines, oil wells, gas wells, injection wells, water wells, visible plugged wells, sewers with manholes, standing bodies of water, and natural channels including permanent canals and ditches through which water flows.	✓
17c	If there are no visible improvements within two hundred (200) feet of a wellhead (or in a high density area within four hundred (400) feet of a wellhead), it shall be so noted on the Permit-to-Drill, Form 2.	✓
18	Surface use shall be described within the two hundred (200) foot radius of a wellhead (or in a high density area within the four hundred (400) foot radius of a wellhead).	✓

* Only required for unsurveyed land grants and other areas where an official public land survey system does not exist.

The survey plat you submitted with your permit was found to be in non-compliance with COGCC rule 303c. See above checklist. If a survey plat is not in compliance with rule 303c the operator will be notified and the permit will be placed on hold until an adequate replacement is supplied to the COGCC.

OK