

FORM
2
Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL GAS COALBED OTHER _____
SINGLE ZONE MULTIPLE ZONE COMMINGLE ZONE

Refiling
Sidetrack

Document Number:
400083635
Plugging Bond Surety
20070019

3. Name of Operator: ORR ENERGY LLC 4. COGCC Operator Number: 10154

5. Address: 1813 61ST AVE STE 200
City: GREELEY State: CO Zip: 80634

6. Contact Name: Virginia Lopez Phone: (303)928-7128 Fax: (303)423-8765
Email: virginia@petro-fs.com

7. Well Name: Smith Well Number: 23-44

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

9. Proposed Total Measured Depth: 7535

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 23 Twp: 10N Rng: 61W Meridian: 6
Latitude: 40.813880 Longitude: -104.166199

Footage at Surface: 564 FNL/FSL FSL 621 FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5108 13. County: WELD

14. GPS Data:

Date of Measurement: 09/28/2010 PDOP Reading: 6.0 Instrument Operator's Name: CHRIS PEARSON

15. If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL _____ FEL/FWL _____ Bottom Hole: FNL/FSL _____ FEL/FWL _____
Sec: _____ Twp: _____ Rng: _____ Sec: _____ Twp: _____ Rng: _____

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

17. Distance to the nearest building, public road, above ground utility or railroad: 362 ft

18. Distance to nearest property line: 621 ft 19. Distance to nearest well permitted/completed in the same formation: 1193 ft

20. 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.)
CODELL	CODL			
DAKOTA	DKTA			
J SAND	JSND			
NIOBRARA	NBRR			

21. Mineral Ownership: Fee State Federal Indian Lease #: _____

22. Surface Ownership: Fee State Federal Indian

23. Is the Surface Owner also the Mineral Owner? Yes No Surface Surety ID#: _____

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? Yes No

23b. If 23 is No Surface Owners Agreement Attached or \$25,000 Blanket Surface Bon \$2,000 Surface Bond \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
Please see the attached for the mineral lease description.

25. Distance to Nearest Mineral Lease Line: 621 ft 26. Total Acres in Lease: 980

DRILLING PLANS AND PROCEDURES

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

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

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

30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? Yes No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

31. 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.

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24 pds	975	450	975	0
1ST	7+7/8	4+1/2	11.6 pds	7,925	800	7,925	0

32. BOP Equipment Type: Annular Preventer Double Ram Rotating Head None

33. Comments No conductor casing will be used.

34. Location ID: _____

35. Is this application in a Comprehensive Drilling Plan ? Yes No

36. Is this application part of submitted Oil and Gas Location Assessment ? Yes No

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

Signed: _____ Print Name: Virginia Lopez

Title: Regulatory Technician Date: 8/10/2010 Email: virginia@petro-fs.com

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

COGCC Approved: David S. Nashin Director of COGCC Date: 10/8/2010

Permit Number: _____ Expiration Date: 10/7/2012

API NUMBER
05 123 32339 00

CONDITIONS OF APPROVAL, IF ANY: _____

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

- 1) Provide 24 hr notice of spud to Bo Brown at 970-392-4124 or e-mail at bo.brown@state.co.us.
- 2) Note surface casing setting depth change from 500' to 975'. Increase cement coverage accordingly and cement to surface. Set surface casing per Rule 317d, setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) If dry hole, set 60 sks cement from 50' below D Sand base to 100' above D Sand top, 40 sks cement 50' above Niobrara top, 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore site per COGCC 1000 rules.

Attachment Check List

Att Doc Num	Name	Doc Description
2529674	WELL LOCATION PLAT	LF@2598899 2529674
2529675	TOPO MAP	LF@2598918 2529675
400083635	FORM 2 SUBMITTED	LF@2537114 400083635
400083679	LEGAL/LEASE DESCRIPTION	LF@2537115 400083679
400083680	30 DAY NOTICE LETTER	LF@2537116 400083680

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well moved 140 feet east. New attachments and setbacks revised.	10/8/2010 10:48:17 AM
Permit	going to move the well east	9/22/2010 1:15:16 PM
Permit	removed surface surety bond with operator approval	9/7/2010 2:11:36 PM
Permit	Back to draft for correct Bonding info	8/20/2010 9:46:27 AM
Permit	Back to draft for correct Bonding info. kk	8/11/2010 11:54:38 AM

Total: 5 comment(s)

Error: Subreport could not be shown.