

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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 Bond ☐ \$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 Attached Lease Description

25. Distance to Nearest Mineral Lease Line: 600 ft 26. Total Acres in Lease: 8662

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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☐ No

31. Mud disposal: ☐ Offsite ☒ Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**

Method: ☐ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: Backfill and Cover

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	20	16	42	0	60	50	60	0
SURF	13+1/2	9+5/8	36	0	1,550	800	1,550	0
1ST	8+3/4	7	23	0	8,003	845	8,003	0
1ST LINER	6	4+1/2	11.6	7253	12,340	315	12,340	7,253

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

33. Comments Application for spacing unit has been filed.

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: Nanette Lupcho

Title: Regulatory Assistant Date: 3/11/2011 Email: nanette_lupcho@eogresources.

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. Nesline Director of COGCC Date: 6/29/2011

API NUMBER

05 123 33773 00

Permit Number: _____ Expiration Date: 6/28/2013

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.

Note surface casing setting depth change from 1525' to 1550'. Increase cement coverage accordingly and cement to surface.

- 1) Provide 24 hr notice of MIRU to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. 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 the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) If hole is abandoned with production liner, then set 40 sks cement in casing at the intermediate casing shoe, cut off casing above top of cement.
- 5) If dry hole without production liner, then set 40 sks cement in open hole 50' above Niobrara top.
- 6) With either 4 or 5 above, set 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below ground level, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole.
- 7) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

PROPOSED HORIZONTAL WELL BORE IS TO BE DRILLED INTO UNLEASED FEDERAL MINERALS. OPERATOR DISCUSSION WITH BLM REQUIRED: UNLEASED FEDERAL MINERALS CANNOT BE DRILLED UPON/PRODUCED REGARDLESS OF SPACING ORDER: REQUIRED SETBACKS TO BE MAINTAINED---INTERAGENCY DISCUSSION PURSUANT TO MOU COGCC,BLM,USFS 6-24-09 H.2.d

Attachment Check List

Att Doc Num	Name
2111391	SURFACE CASING CHECK
400141921	FORM 2 SUBMITTED
400141932	PLAT
400141933	TOPO MAP
400141934	DRILLING PLAN
400141935	DEVIATED DRILLING PLAN
400141936	LEGAL/LEASE DESCRIPTION

Total Attach: 7 Files

General Comments

User Group	Comment	Comment Date
Permit	SPACING APPROVED AT JUNE HEARING	6/28/2011 3:38:56 PM
Permit	ON HOLD: 1105-SP-45 continued to June hearing.	5/18/2011 1:07:43 PM
Permit	BLM notified	3/29/2011 6:20:29 AM
Permit	On hold pending May spacing hearing	3/29/2011 6:05:25 AM
Permit	Back to draft at request of opr. sf	3/11/2011 3:54:48 PM

Total: 5 comment(s)

BMP

Type	Comment

Total: 0 comment(s)