



**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#: 20090114

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: 920

**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             | 1,050         | 550       | 1,050   | 0       |
| 1ST         | 8+3/4        | 7              | 23    | 0             | 7,154         | 760       | 7,154   | 0       |
| 1ST LINER   | 6            | 4+1/2          | 11.6  | 6404          | 11,375        | 305       | 11,375  | 6,404   |

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

33. Comments The distance to the nearest well was calculated from the anticipated BHL of the Elk Creek 13-21H to the surface location of the Slawson Smuggler 16-10-62 permit, API No. 05-123-31853. Application for spacing 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: 3/28/2011 Email: Nanette\_Lupcho@eogresource

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

|                   |
|-------------------|
| <b>API NUMBER</b> |
| 05 123 33770 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.

- 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.

**Attachment Check List**

| Att Doc Num | Name                    |
|-------------|-------------------------|
| 2112158     | SURFACE CASING CHECK    |
| 400144292   | FORM 2 SUBMITTED        |
| 400144294   | DEVIATED DRILLING PLAN  |
| 400144295   | DRILLING PLAN           |
| 400144296   | PLAT                    |
| 400144297   | TOPO MAP                |
| 400144987   | LEGAL/LEASE DESCRIPTION |

Total Attach: 7 Files

**General Comments**

| <u>User Group</u> | <u>Comment</u>                                   | <u>Comment Date</u>      |
|-------------------|--|--------------------------|
| Permit            | SPACING APPROVED AT JUNE HEARING                 | 6/28/2011<br>3:26:26 PM  |
| Permit            | ON HOLD: 1105-SP-45 continued to June hearing.   | 5/18/2011<br>1:12:42 PM  |
| Permit            | On hold waiting for May or June spacing hearing. | 3/29/2011<br>12:28:27 PM |

Total: 3 comment(s)

**BMP**

| <u>Type</u> | <u>Comment</u> |
|-------------|----------------|
|             |                |

Total: 0 comment(s)