


<b>FORM</b> <b>2</b> Rev 12/05	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> Document Number:  400146873  Plugging Bond Surety	DE	ET	OE	ES
DE	ET	OE	ES				
<b>APPLICATION FOR PERMIT TO:</b>							
1. <input checked="" type="checkbox"/> <b>Drill,</b> <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate							
2. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>					
3. Name of Operator: <u>ENCANA OIL &amp; GAS (USA) INC</u>		4. COGCC Operator Number: <u>100185</u>					
5. Address: <u>370 17TH ST STE 1700</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202-5632</u>							
6. Contact Name: <u>MIRACLE PFISTER</u> Phone: <u>(720)876-3761</u> Fax: <u>(720)876-4861</u> Email: <u>miracle.pfister@encana.com</u>							
7. Well Name: <u>Federal</u>		Well Number: <u>30-5H2 (D29OU)</u>					
8. Unit Name (if appl): <u>ORCHARD</u>		Unit Number: <u>COC066496</u> <div style="text-align: center;">X</div>					
9. Proposed Total Measured Depth: <u>13800</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>NWNW</u> Sec: <u>29</u> Twp: <u>8S</u> Rng: <u>96W</u> Meridian: <u>6</u> Latitude: <u>39.325953</u> Longitude: <u>-108.138452</u>							
Footage at Surface: <u>804</u> feet <u>FNL</u> <u>798</u> feet <u>FWL</u> <div style="text-align: center;">FNL/FSL      FEL/FWL</div>							
11. Field Name: <u>GRAND VALLEY</u>		Field Number: <u>31290</u>					
12. Ground Elevation: <u>5568</u>		13. County: <u>MESA</u>					
14. GPS Data: Date of Measurement: <u>05/10/2010</u> PDOP Reading: <u>0.0</u> Instrument Operator's Name: <u>TED TAGGART</u>							
15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone:      FNL/FSL      FEL/FWL      Bottom Hole:      FNL/FSL      FEL/FWL <div style="text-align: center;"> <u>721</u>      <u>FNL</u>      <u>730</u>      <u>FWL</u>      <u>2551</u>      <u>FSL</u>      <u>784</u>      <u>FWL</u> </div> <div style="text-align: center;">         Sec: <u>29</u>      Twp: <u>8S</u>      Rng: <u>96W</u>      Sec: <u>30</u>      Twp: <u>8S</u>      Rng: <u>96W</u> </div>							
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
17. Distance to the nearest building, public road, above ground utility or railroad: <u>440 ft</u>							
18. Distance to nearest property line: <u>2637 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>650 ft</u>							
<b>20. LEASE, SPACING AND POOLING INFORMATION</b>							
Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)			
MANCOS	MNCS						

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC58675

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):  
8S-96W SEC 30: NE, E2NW, E2SE, LOTS 1-4 SEC 31: E2 SEC 32: SWSW

25. Distance to Nearest Mineral Lease Line: 50 26. Total Acres in Lease: 781

**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

Method: ☐ Land Farming ☐ Land Spreading ☒ Disposal Facility Other: \_\_\_\_\_

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	24	16	LINEPIPE	0	40	5	40	0
SURF	14+3/4	10+3/4	40.5	0	1,500	818	1,500	0
1ST	9+7/8	7+5/8	29.7	0	6,300	791	6,300	0
2ND	6+1/2	5	23	0	13,800	494	13,800	5,800

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

33. Comments THE NEAREST DISTANCE IS TO A BUILDING AND ABOVE GROUND UTILITY. INTERMEDIATE CASING TOP OF CEMENT WILL BE 200' ABOVE MESAVERDE.

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: MIRACLE PFISTER

Title: REGULATORY ANALYST Date: 4/5/2011 Email: miracle.pfister@encana.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. Nesline Director of COGCC Date: 5/6/2011

**API NUMBER**

05 077 10156 00

Permit Number: \_\_\_\_\_ Expiration Date: 5/5/2013

**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) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) THE MOISTURE CONTENT OF ANY DRILL CUTTINGS IN A CUTTINGS PIT, TRENCH, OR PILE SHALL BE AS LOW AS PRACTICABLE TO PREVENT ACCUMULATION OF LIQUIDS GREATER THAN DE-MINIMIS AMOUNTS. AT THE TIME OF CLOSURE, THE DRILL CUTTINGS MUST ALSO MEET THE APPLICABLE STANDARDS OF TABLE 910-1.

(3) NO PORTION OF ANY PIT THAT WILL BE USED TO HOLD LIQUIDS SHALL BE CONSTRUCTED ON FILL MATERIAL, UNLESS THE PIT AND FILL SLOPE ARE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER, SUBJECT TO REVIEW AND APPROVAL BY THE DIRECTOR PRIOR TO CONSTRUCTION OF THE PIT. THE CONSTRUCTION AND LINING OF THE PIT SHALL BE SUPERVISED BY A PROFESSIONAL ENGINEER OR THEIR AGENT. THE ENTIRE BASE OF THE PIT MUST BE IN CUT.

(4) THE SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 92 FEET DEEP.

**Attachment Check List**

Att Doc Num	Name
400146873	FORM 2 SUBMITTED
400150036	WELL LOCATION PLAT
400150038	DEVIATED DRILLING PLAN
400150063	FED. DRILLING PERMIT

Total Attach: 4 Files

**General Comments**

User Group	Comment	Comment Date
Permit	Removed location ID number and corrected lease number at request of Opr-Miracle. sf	4/6/2011 9:29:38 AM

Total: 1 comment(s)

**BMP**

Type	Comment

Total: 0 comment(s)