

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



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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:
2583024
Plugging Bond Surety
20060057

3. Name of Operator: DIVERSIFIED OPERATING CORPORATION 4. COGCC Operator Number: 24461

5. Address: 15000 W 6TH AVE STE 102
City: GOLDEN State: CO Zip: 80401

6. Contact Name: BILL WARBURTON Phone: (303)384-9611 Fax: (393)384-9612
Email: wlw@doccolo.com

7. Well Name: WICKSTROM Well Number: 6-12

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

9. Proposed Total Measured Depth: 7000

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 6 Twp: 7N Rng: 59W Meridian: 6
Latitude: 40.602620 Longitude: -104.028730

Footage at Surface: 1980 FNL/FSL FSL 610 FEL/FWL FWL

11. Field Name: CROW Field Number: 13600

12. Ground Elevation: 4961 13. County: WELD

14. GPS Data:

Date of Measurement: 07/09/2010 PDOP Reading: 1.9 Instrument Operator's Name: NEAL MCCORMICK

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: 3271 ft

18. Distance to nearest property line: 610 ft 19. Distance to nearest well permitted/completed in the same formation: 1980 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.)
D SAND	DSND		40	NWSW
J SAND	JSND		40	NWSW

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):
 SW 1/4 SEC 6 T7N R59W 6TH PM MAP INCLUDED.

25. Distance to Nearest Mineral Lease Line: 610 ft 26. Total Acres in Lease: 166

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: DRY AND BACKFILL

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	11	8+5/8	24	520	200	520	0
1ST	7+7/8	5+1/2	15.5	7,000	275	7,000	5,000

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

33. Comments NO CONDUCTOR PIPE WILL BE SET TO DRILL THE SURFACE HOLE.

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: BILL WARBURTON

Title: PETROLEUM ENGINEER Date: 7/13/2010 Email: wlw@doccolo.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: 8/24/2010

API NUMBER
 05 123 32065 00

Permit Number: _____ Expiration Date: 8/23/2012

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 Colby Horton at 970-467-2517 or e-mail at colby.horton@state.co.us.
- 2) Note surface casing setting depth change from 400' to 520'. 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 D Sand. 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
2583024	APD ORIGINAL	LF@2507731 2583024
2583025	WELL LOCATION PLAT	LF@2507732 2583025
2583026	TOPO MAP	LF@2507737 2583026
2583027	LEASE MAP	LF@2507733 2583027
2583028	SURFACE AGRMT/SURETY	LF@2507734 2583028
2583029	30 DAY NOTICE LETTER	LF@2507735 2583029

Total Attach: 6 Files

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