

FORM

2

Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400425149

Date Received:

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER LATERAL
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐Sidetrack ☐

PluggingBond SuretyID

20120073

3. Name of Operator: CHAMA OIL & MINERALS LLC4. COGCC Operator Number: 104315. Address: PO BOX 50203City: MIDLAND State: TX Zip: 797106. Contact Name: WILLIAM HEARD Phone: (432)683-8000 Fax: (432)683-8250Email: BILL.HEARD@CHAMAOIL.COM7. Well Name: LARSEN 28-15-48Well Number: 1-H

8. Unit Name (if appl): _____

Unit Number: _____

9. Proposed Total Measured Depth: 9200

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 28 Twp: 15S Rng: 48W Meridian: 6Latitude: 38.719058Longitude: -102.787694

Footage at Surface: 600 feet FNL/FSL 1980 feet FEL/FWL FWL

11. Field Name: WILDCATField Number: 9999912. Ground Elevation: 425713. County: CHEYENNE

14. GPS Data:

Date of Measurement: 06/06/2013 PDOP Reading: 2.0 Instrument Operator's Name: C VAN MATRE15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 1000 FNL 1980 FWL 600 FSL 1980 FWL
Sec: 28 Twp: 15S Rng: 48W Sec: 28 Twp: 15S Rng: 48W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 600 ft18. Distance to nearest property line: 600 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 7000 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.)
SPERGEN	SPGN			

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. Is the Surface Owner also the Mineral Owner? ☒ Yes ☐ No Surface Surety ID#: 2013005123a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☒ Yes ☐ No23b. 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):

SECTION 28 (ALL), T-15-S, R-48-W

25. Distance to Nearest Mineral Lease Line: 600 ft

26. Total Acres in Lease: 646

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: SEE OPERATOR

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
SURF	12+1/4	9+5/8	36	0	500	240	500	0
1ST	8+3/4	7	26	0	5,700	400	5,700	3,400
OPEN HOLE	6+1/8		0	5700	9,200			

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

33. Comments NO CONDUCTOR TO BE USED. LARSEN 28-15-48 #1-P (PILOT) AND #1-H (HORIZONTAL) ARE BEING PERMITTED FOR THE SAME LOCATION. ONLY ONE WELL BORE WILL BE ON LOCATION. THE 1-P WILL BE A VERTICAL PILOT HOLE DRILLED TO APPROXIMATE TD OF 6200'. WELL WILL BE PLUGGED BACK AND THE 1-H HORIZONTAL WILL BE DRILLED AS NOTED IN THE DIRECTIONAL PLAN. THE HORIZONTAL OPEN HOLE WILL BE TREATED AND TESTED. CLOSED LOOP MUD SYSTEM WILL BE USED. DE-WATERED CUTTINGS WILL BE PLACED IN CUTTINGS PIT. MUD DISPOSAL WILL BE ON-SITE BY PLACING IN CUTTINGS PIT AT END OF WELL (HORIZONTAL) AND ALLOWING SOLIDS TO SETTLE. FREE LIQUID WILL BE REMOVED AND SENT TO COMMERCIAL DISPOSAL, SOLIDS AND CUTTINGS WILL BE STABILIZED IN PIT. PIT CONTENTS WILL BE SAMPLED AND ANALYZED TO ENSURE COMPLIANCE WITH TABLE 910-1 CRITERIA PRIOR TO PIT CLOSURE. CHAMA REQUESTS THAT ALL DATA PERTAINING TO THIS WELL BE KEPT CONFIDENTIAL. H2S CONTINGENCY PLAN BEING PREPARED AND WILL BE SUBMITTED WHEN COMPLETE. CHAMA REQUESTS APD APPROVAL WITH CONDITION THAT H2S PLAN WILL BE SUBMITTED PRIOR TO SPUD.

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: WILLIAM HEARD

Title: PROJECT DRILLING ENGINEER Date: _____ Email: BILL.HEARD@CHAMAOIL.

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: _____ Director of COGCC Date: _____

API NUMBER

05

Permit Number: _____ Expiration Date: _____

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.

Data retrieval failed for the subreport 'IntPolicy_NTO' located at: W:\inetpub\Net\Reports\policy_nto.rdlc. Please check th

Attachment Check List

Att Doc Num	Name
400439205	PLAT
400439206	TOPO MAP
400439207	30 DAY NOTICE LETTER
400439446	DEVIATED DRILLING PLAN
400439456	DIRECTIONAL DATA

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)