

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:

400354687

Date Received:

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER ☐ Un-planned sidetrack
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☒

PluggingBond SuretyID

20030028

3. Name of Operator: SWEPI LP

4. COGCC Operator Number: 78110

5. Address: 4582 S ULSTER ST PKWY #1400

City: DENVER State: CO Zip: 80237

6. Contact Name: Nancy Feck Phone: (307)367-6934 Fax: (307)367-4285

Email: N.Feck@shell.com

7. Well Name: Gnat Hill Well Number: 1-29

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

9. Proposed Total Measured Depth: 10000

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 29 Twp: 6N Rng: 89W Meridian: 6

Latitude: 40.445739 Longitude: -107.392506

Footage at Surface: 2374 feet FNL/FSL 360 feet FEL/FWL FEL

11. Field Name: Buck Peak Field Number: 7675

12. Ground Elevation: 6656 13. County: ROUTT

14. GPS Data:

Date of Measurement: 06/28/2011 PDOP Reading: 2.1 Instrument Operator's Name: B.Hunting

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 530 FSL 1563 FEL 1011 FEL/FWL 2461 FEL
Sec: 29 Twp: 6N Rng: 89W Sec: 32 Twp: 6N Rng: 89W

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: 260 ft

18. Distance to nearest property line: 2272 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 10160 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.)
Niobrara	NBRR			

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 reference mineral lease description and map submitted along with original Form 2 for this well.

25. Distance to Nearest Mineral Lease Line: 0 26. Total Acres in Lease: 1360

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: _____

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	30	20		0	90	48	90	0
SURF	13+1/2	10+3/4	40.5	0	1,000	454	1,000	0
2ND	9+7/8	7+5/8	29.7	0	8,000	766	8,000	1,400
1ST LINER	6+3/4	5+1/2	17	7300	9,725	0	0	0

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

33. Comments Verbal approval to sidetrack was given by David Andrews on December 3, 2012. This was due to major hole instability at 1400'MD - 2000'MD, multiple cleanout trips, and a failed attempt to stabilize the formation across the zones with a cement plug. The plan includes to create a 50' separation from the old well bore and drill to intermediate casing point. In the production interval we would steer back and hit the permitted BHL.

34. Location ID: 425278

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: Nancy Feck

Title: Regulatory Technician Date: _____ Email: N.Feck@shell.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: _____ Director of COGCC Date: _____

API NUMBER

05 107 06243 00

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.

Date retrieval failed for the subreport 'IntBeliev_NTO' located at: W:\testpub\Net\Reports\believ_nto.rdl. Please check th

Attachment Check List

Att Doc Num	Name
400354891	DIRECTIONAL DATA
400354894	DIRECTIONAL DATA

Total Attach: 2 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)