

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:

400440613

Date Received:

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL GAS COALBED OTHER _____
SINGLE ZONE MULTIPLE COMMINGLE

Refiling
Sidetrack

PluggingBond SuretyID

20100202

3. Name of Operator: RESOURCE DEVELOPMENT TECHNOLOGY LLC

4. COGCC Operator Number: 74250

5. Address: PO BOX 1020

City: MORRISON State: CO Zip: 80465

6. Contact Name: TOM BOWMAN Phone: (303)716-3200 Fax: (303)716-5780

Email: colorado@usermail.com

7. Well Name: NININGER Well Number: 11-1-1645

8. Unit Name (if appl): N/A Unit Number: N/A

9. Proposed Total Measured Depth: 5600

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 1 Twp: 16S Rng: 45W Meridian: 6

Latitude: 38.694210 Longitude: -102.418580

Footage at Surface: 600 feet FNL 600 feet FWL

11. Field Name: FULL MOON Field Number: 27920

12. Ground Elevation: 4345 13. County: CHEYENNE

14. GPS Data:

Date of Measurement: 06/13/2013 PDOP Reading: 3.2 Instrument Operator's Name: Elijah Frane

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: 570 ft

18. Distance to nearest property line: 600 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1602 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.)
MISSISSIPPIAN-OSAGE-WARSAW	M-O-W	214-7		
SPERGEN	SPGN	214-7		

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):

W2 Sec. 1 16S-45W 6th P.M. Cheyenne County, CO. To be earned by drilling by virtue of Farmout Contract.

25. Distance to Nearest Mineral Lease Line: 600 ft 26. Total Acres in Lease: 168

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: DRY & BURY

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	8+5/8	24	0	300	200	300	0
1ST	7+7/8	5+1/2	15.5	0	5,600	250	5,600	4,100
	7+7/8	5+1/2	Stage Tool	0	3,050	450	3,050	0

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

33. Comments NO CONDUCTOR CSG WILL BE SET

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: TOM BOWMAN

Title: OPERATIONS MANAGER Date: _____ Email: colorado@usermail.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

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 'IntPolicy_MTO' located at: \\Westpub\Net\Reports\policy_etc.rdl. Please check th

Attachment Check List

Att Doc Num	Name
400440628	WELL LOCATION PLAT
400440629	TOPO MAP
400441430	H2S CONTINGENCY PLAN
400445195	SURFACE AGRMT/SURETY
400445663	30 DAY NOTICE LETTER
400445664	LGD CONSULTATION

Total Attach: 6 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>
Planning	<ul style="list-style-type: none"> · CONDUCT INITIAL SITE ASSESSMENT <ul style="list-style-type: none"> o Identification of nearby water bodies o Identification of vegetation types o Identification of protected wildlife species o Identification of potential access routes to minimize disturbances o Identification of nearby improvements
General Housekeeping	<ul style="list-style-type: none"> · Drilling and production operations conducted in safe workmanlike manner. Safety expectations include good housekeeping. · During drilling/completion operations, debris stored in caged container which is removed from the site · During production operations, the lease is inspected daily by RDT personnel.
Drilling/Completion Operations	<ul style="list-style-type: none"> · Implement Storm Water Pollution Prevention Plan, including routine inspections and evaluation of effectiveness · Locate tank batteries at safe distance from public roadways and railhead · Full containment of stock tanks and separators · Installation of pipelines in common trenches when practical · Installation of pipelines at right angles to water bodies (drainages, wetlands, perennial water bodies) where practical
Interim Reclamation	<ul style="list-style-type: none"> · Debris and waste material removed · Areas not in use reclaimed promptly; pits closed using segregated material; well pad and other compacted surfaces ripped · Noxious weeds controlled
Storm Water/Erosion Control	<ul style="list-style-type: none"> · During drilling/completion operations, implementation of Storm Water Pollution Prevention Plan · Following drilling/completion operations, prompt reclamation of disturbed areas · During production operations, implementation of RDT's Post Construction Storm Water Management Plan if required by Rule 1002.f. <p>Site Specific: 1 Per ephemeral stream 352 feet northeast of proposed well pad – structural practices will be implemented at the site to minimize erosion and sediment transport. Practices may include but are not limited to: straw bales, wattles/sediment control logs, silt fences, earth dikes, drainage swales, sediment traps, subsurface drains, inlet protection, outlet protection, gabions and temporary sediment basins.</p>

Material Handling and Spill Prevention	<ul style="list-style-type: none"> · During drilling/completion operations, storage areas graded towards pit · During production operations, implementation of Spill Prevention, Control and Countermeasure Plan & daily inspection · All stock and produced water tanks have secondary containment
Pre-Construction	<ul style="list-style-type: none"> · Preparation of a Storm Water Pollution Prevention Plan. Acquisition of a Storm Water Discharge Permit · Consultation with the surface owner or appointed agent · Finalize access routes · Finalize well pad location to minimize surface grade impacts · Finalize well pad layout to minimize disturbances · Develop wildlife management plan if protected species are present
Final Reclamation	<ul style="list-style-type: none"> · All equipment and debris removed · All remaining disturbed areas, including access roads, reclaimed · Noxious Weed Control Plan developed if appropriate
Wildlife	<ul style="list-style-type: none"> · Development and implementation of a Wildlife Management Plan if protected species are present
Construction	<ul style="list-style-type: none"> · Access road, well pad and pit disturbances minimized · Soils segregated by type to facilitate reclamation · Storm water controls deployed and routinely inspected

Total: 10 comment(s)