



RECEIVED
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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 ZONES ☒ COMMINGLE ZONES ☒

Refilling ☐ Sidetrack ☐

Plugging Bond Surety ID#

3. Name of Operator: Mineral Resources, Inc. 4. COGCC Operator Number: 57667

5. Address: 3109 35th Avenue B101
City: Greeley State: CO Zip: 80634

6. Contact Name: Collin M. Richardson Phone: (970) 352-9446 Fax: (800) 850-9334

7. Well Name: Ehrlich Motors Well Number: D8

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

9. Proposed Total Measured Depth: 8258'

WELL LOCATION INFORMATION

10. Qtr: NENE Sec: 20 Twp: 5N Rng: 65W Meridian: 6th
Latitude: 40.39127° North Longitude: 104.68221° West
Footage At Surface: 211' 50" N 1215' 125' E

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4674' 4674' 13. County: Weld

14. GPS Data:
Date of Measurement: 11/01/06 PDOP Reading: 2.9 Instrument Operator's Name: M. Robert

15. If well is: ☒ Directional ☐ Horizontal (highly deviated), submit deviated drilling plan. Bottomhole Sec Twp Rng: 17-5N-65W
Footage At Top of Prod Zone: 50' S 1257' W At Bottom Hole: 50' S 1257' 1416' W

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: 245'

18. Distance to Nearest Property Line: 150' 19. Distance to nearest well permitted/completed in the same formation: +/- 000'

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/Codell	NBCD	407-87 (318A)	160 acres	S/2 SW/4, 17, 5N65W; N/2 NW/4, 20, 5N65W

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 Qtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):
See attached Polling Agreement

25. Distance to Nearest Mineral Lease Line: 50' 26. Total Acres in Lease: 160

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:

NOTE: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

String	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surface	12-1/4"	8-5/8"	24#	440'	200 sx	440'	Surface
Production	7-7/8"	4-14"	11.6#	8258'	166 sx	8258'	7259'

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

33. Comments: Exception location Declaration of Pooling 318 Acre

Operator is Surface Owner

34. Initial Rule 306 Consultation took place on (date) waived, was waived, or is not required. Provide supporting documentation if consultation has been waived or if good faith effort did not result in consultation.

PERMIT SUBMITTED TO COGCC PRIOR TO COMPLIANCE WITH RULE 306 CONSULTATION SHALL BE RETURNED UNAPPROVED.

I hereby certify that a complete permit package has been sent to the applicable Local Government Designee(s), and all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Collin M. Richardson Print Name: Collin M. Richardson
Title: V.P., Operations Date: 3/13/2007 Email: collin@mineralresourcesinc.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: *Shirley M...* Director of COGCC Date: 04-06-07

Permit Number: 20071418 Expiration Date: 04-05-08

API NUMBER 05-123-24989-00

CONDITIONS OF APPROVAL, IF ANY:

1) Provide 24 hour notice of MIRU to Ed Binkley at 970-506-9834 or e-mail at ed.binkley@state.co.us 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with cement bond log 3) Run and submit Directional Survey from TD to surface casing shoe

LOCATION: NE1/4 OF NE1/4 OF SEC. 20, T.5N., R.65W. (290 NSL, 1257 ESL)

Ground Elevation: 4674

Number of Acres: 0

AQUIFER	ELEVATION		DEPTH TO		ANNUAL	
	NET	NET	SAND	APPROP	STATUS	
	BOT.	TOP	BOT.	TOP	A-F	
UPPER DAWSON	---	---	---	---	---	---
LOWER DAWSON	---	---	---	---	---	---
DENVER	---	---	---	---	---	---
UPPER ARAPAHOE	---	---	---	---	---	---
LOWER ARAPAHOE	---	---	---	---	---	---
LARAMIE-FOX HILLS	---	---	---	---	---	---

note: E indicates location is at aquifer boundary and values may be more approximate.

want to do another (Y/N) (press P to print)

SURFACE CASING CHECK

Well Name Ehrlich Motors D8

☒ New Drill ☐ Refiling ☐ Deepen ☐ Re-Enter ☐ Recomplete and Operate ☐ Plug and Abandon ☐ Casing Repair

SB5 Base of Fox Hills 0

Cheyenne Basin Map Base of Fox Hills outcrop

Base of Fox Hills per ☐ this well's

or ☐ offset well's induction log -

Fox Hills Protection Area 5% Rule 413

Deepest Water Well w/in One Mile 249 corr

Operator-Proposed Surface Casing Depth 440

Surface Casing Depth to Approve 440 ok

(S)

**Colorado
Oil & Gas Conservation Commission**

COGCC Results
Selected Items Report
(S)
Oil and Gas Wells Selected

 Filter Results by Formation Include Filter

WELL DESCRIPTION
LOCATION
WELL INFORMATION
Facilities Selected
FACILITY DESCRIPTION
LOCATION
PIT INFORMATION

Type

Unlined

Status

Water Wells Selected From Map

Filter Results by Depth Greater than 79

Filter

WELL DESCRIPTION
LOCATION
WELL INFORMATION

Depth

Top Perf

Bottom Perf

Aquifer

 Receipt=0250367, Permit=0000089-RD-R
ARC IV LLC

 NWNW 16
5N-65W

115

95

115

GW

 Receipt=9058584, Permit=0000820-R-R
HARRINGTON LAND CO

 NWSE 16
5N-65W

105

0

105

GW

 Receipt=9062679, Permit=0019878-R-
GROSSAINT K L

 SWSE 16
5N-65W

85

0

0

GW

 Receipt=9063591, Permit=0031813--
BOYS CLUB OF GREELEY

 NWSW 16
5N-65W

80

68

80

GW

 Receipt=0438551, Permit=0048312-F-R
GIRLS & BOYS CLUB

 NWSW 16
5N-65W

90

47

87

GW

 Receipt=9064087, Permit=0038583--
NESS MARLIN & SHIRLEY

 SESW 16
5N-65W

89

65

89

GW

 Receipt=9065831, Permit=0087460--
WELD CNTY SCHOOL DIST

 SWSW 16
5N-65W

110

70

110

GW

 Receipt=9064641, Permit=0049639--
LUNDVALL ENTERPRISES INC

 NENE 17
5N-65W

102

82

102

GW

 Receipt=9064393, Permit=0044370--
MEYERS JULIA

 SESE 17
5N-65W

82

0

0

GW

 Receipt=0203120, Permit=0070254--A
FRANKLIN F

 NENE 20
5N-65W

120

80

120

GW

 Receipt=9059484, Permit=0005999-R-
SUSSEX PARTNERS, CO GENERAL PARTNERSHIP

 NWNE 20
5N-65W

118

97

118

GW

 Receipt=9064216, Permit=0040993--
WADDELL PIET P & FLORENCE

 NENW 20
5N-65W

82

0

0

GW

 Receipt=9062324, Permit=0016067-R-
MILLER ALLIE E

 NENW 21
5N-65W

111

0

0

GW

 Receipt=9060228, Permit=0009989--
MILLER ALLIE E

 NWNW 21
5N-65W

120

0

0

GW

 Receipt=9059104, Permit=0003935--
BRAGG JOHN

 NWSW 21
5N-65W

210

0

0

GW

**Colorado
Oil & Gas Conservation Commission**

COGCC Results

Selected Items Report

Oil and Gas Wells Selected				
Filter Results by Formation Include <input checked="" type="checkbox"/> SUSX <input type="checkbox"/> Filter				
WELL DESCRIPTION	LOCATION	WELL INFORMATION		
05-123-18678, COMMERCE CENTER 2 20-7H5 NOBLE ENERGY PRODUCTION INC	SWNE 20 5N -65W (6)	Sidetrack TD Formation Status 00 7269 SUSX TA		
05-123-12447, SCHNEIDER 1 MERIT ENERGY COMPANY	SWNW 21 5N -65W (6)	Sidetrack TD Formation Status 00 7114 SUSX AB		
05-123-15424, BRAGG F21-11S NOBLE ENERGY PRODUCTION INC	NESW 21 5N -65W (6)	Sidetrack TD Formation Status 00 4610 SUSX SI		
05-123-15727, ERIKSON 21-13 NOBLE ENERGY PRODUCTION INC	SWSW 21 5N -65W (6)	Sidetrack TD Formation Status 00 7147 SUSX PR		
05-123-16127, ADOLPH F 21-14 NOBLE ENERGY PRODUCTION INC	SESW 21 5N -65W (6)	Sidetrack TD Formation Status 00 7210 SUSX TA		
05-123-17052, MAGNUSON 21-15B NOBLE ENERGY PRODUCTION INC	SWSE 21 5N -65W (6)	Sidetrack TD Formation Status 00 7244 SUSX AB		
05-123-11713, GIBBS 2 NOBLE ENERGY PRODUCTION INC	NWNE 28 5N -65W (6)	Sidetrack TD Formation Status 00 7149 SUSX PR		
05-123-16784, GIBBS 4 NOBLE ENERGY PRODUCTION INC	NENW 28 5N -65W (6)	Sidetrack TD Formation Status 00 7148 SUSX TA		
05-123-12639, REYNOLDS 2 NOBLE ENERGY PRODUCTION INC	SWNW 28 5N -65W (6)	Sidetrack TD Formation Status 00 7156 SUSX TA		
05-123-14709, REYNOLDS 28-3 NOBLE ENERGY PRODUCTION INC	NWNW 28 5N -65W (6)	Sidetrack TD Formation Status 00 7250 SUSX TA		
05-123-17149, SOCO 29-8 NOBLE ENERGY PRODUCTION INC	NESE 29 5N -65W (6)	Sidetrack TD Formation Status 00 7372 SUSX SI		
05-123-16150, SOCO 29-1 NOBLE ENERGY PRODUCTION INC	NENE 29 5N -65W (6)	Sidetrack TD Formation Status 00 7190 SUSX TA		
05-123-16151, SOCO 29-2 NOBLE ENERGY PRODUCTION INC	NWNE 29 5N -65W (6)	Sidetrack TD Formation Status 00 7197 SUSX PR		
05-123-16152, SOCO 29-7 NOBLE ENERGY PRODUCTION INC	SWNE 29 5N -65W (6)	Sidetrack TD Formation Status 00 7206 SUSX PR		
Facilities Selected				
FACILITY DESCRIPTION	LOCATION	PIT INFORMATION		
		Type	Unlined	Status

Well name and number:

Ehrlich Motors DB

Survey Plat Check list

number	Item	
	8-1/2" x 11" scaled drawing of the entire section	✓
1	Dimensions on adjacent exterior section lines sufficient to completely describe the quarter section containing the proposed well shall be indicated	✓
1a	If dimensions are not field measured, state how the dimensions were determined	✓
2	The latitude and longitude of the proposed well location shall be provided on the drawing with a minimum of five (5) decimal places of accuracy and precision using the North American Datum (NAD) of 1983 (e.g.; latitude 37.12345 N, longitude 104.45632 W). If GPS technology is utilized to determine the latitude and longitude, all GPS data shall meet the requirements set forth in Rule 215. a. through h.	✓
2a	PDOP value <7 if GPS used	✓
2b	5 decimal places of accuracy & precision	✓
2c	NAD 1983	✓
3	For directional drilling into an adjacent section, that section shall also be shown on the location plat and dimensions on exterior section lines sufficient to completely describe the quarter section containing the proposed productive interval and bottom hole location shall be indicated. (Additional requirements related to directional drilling are found in Rule 321.)	✓
4	For irregular, partial or truncated sections, dimensions will be furnished to completely describe the entire section containing the proposed well.	nm
5	The field-measured distances from the nearer north/south and nearer east/west section lines shall be measured at ninety (90) degrees from said section lines to the well location and referenced on the plat. For unsurveyed land grants and other areas where an official public land survey system does not exist, the well locations shall be spotted as footages on a protracted section plat using Global Positioning System (GPS) technology and reported as latitude and longitude in accordance with Rule 215.	✓
6	A map legend	✓
7	A North Arrow	✓
8	A scale expressed as an equivalent (e.g. 1" = 1000').	✓
9	A bar scale.	✓
10	The ground elevation.	✓
11	The basis of the elevation (how it was calculated or its source).	✓
12	The basis of bearing or interior angles used.	✓
13	Complete description of monuments and/or collateral evidence found; all aliquot corners used shall be described.	✓
14	The legal land description by section, township, range, principal meridian, baseline and county.	✓
15	Operator name	✓
16	Well name and number	✓
17	Date of completion of scaled drawing	✓
18	All visible improvements within two hundred (200) feet of a wellhead (or, in a high density area within four hundred (400) feet of a wellhead) shall be physically tied in and plotted on the well location plat or on an addendum, with a horizontal distance and approximate bearing from the well location.	✓
18a	Visible improvements shall include, but not be limited to, all buildings, publicly maintained roads and trails, major above ground utility lines, railroads, pipelines, mines, oil wells, gas wells, injection wells, water wells, visible plugged wells, sewers with manholes, standing bodies of water, and natural channels including permanent canals and ditches through which water flows.	✓
18b	If there are no visible improvements within two hundred (200) feet of a wellhead (or in a high density area within four hundred (400) feet of a wellhead), it shall be so noted on the Permit-to-Drill, Form 2.	—
19	Surface use shall be described within the two hundred (200) foot radius of a wellhead (or in a high density area within the four hundred (400) foot radius of a wellhead).	✓

The survey plat you submitted with your permit was found to be in non-compliance with COGCC rule 303c. See above checklist. If a survey plat is not in compliance with rule 303c the operator will be notified and the permit will be placed on hold until an adequate replacement is supplied to the COGCC.