

FORM
2

Rev
08/13

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:

2494182

APPLICATION FOR PERMIT TO:

☒ Drill ☐ Deepen ☐ Re-enter ☐ Recomplete and Operate

TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER _____

Refilling ☐

ZONE TYPE SINGLE ZONE ☐ MULTIPLE ZONES ☒ COMMINGLE ZONES ☐

Sidetrack ☐

Date Received:

01/07/2015

Well Name: TRADE WINDS

Well Number: 5-21

Name of Operator: BAYHORSE PETROLEUM LLC

COGCC Operator Number: 10234

Address: 2558 E PORTSMOUTH AVENUE

City: SALT LAKE CITY

State: UT

Zip: 84121

Contact Name: LARRY F MANIKOWSKI

Phone: (801)9131640

Fax: (888)7593730

Email: LFMANSKI@AOL.COM

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20090091

WELL LOCATION INFORMATION

QtrQtr: SENE Sec: 21 Twp: 18S Rng: 47W Meridian: 6

Latitude: 38.477655

Longitude: -102.679900

Footage at Surface: 2273 feet FNL/FSL FNL 1293 feet FEL/FWL FEL

Field Name: LEFT HAND

Field Number: 48880

Ground Elevation: 4148

County: KIOWA

GPS Data:

Date of Measurement: 09/20/2014 PDOP Reading: 3.1 Instrument Operator's Name: ELIJAH FRANE

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: _____

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Surface Owner is: ☒ is the mineral owner beneath the location.

(check all that apply)

☒ is committed to an Oil and Gas Lease.

☒ has signed the Oil and Gas Lease.

☐ is the applicant.

The Mineral Owner beneath this Oil and Gas Location is: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes

The right to construct the Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place:

Surface Surety ID:

LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

NE/4 and N/2SE/4 OF SEC 21-T18S-R47W 6TH PM

Total Acres in Described Lease: 240 Described Mineral Lease is: ☒ Fee ☐ State ☐ Federal ☐ Indian

Federal or State Lease #

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 1293 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 5130 Feet

Building Unit: 5280 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 3200 Feet

Above Ground Utility: 3200 Feet

Railroad: 3150 Feet

Property Line: 1293 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: ☐ Buffer Zone ☐ Exception Zone ☐ Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government:

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners:

SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 1249 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 364 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): Unit Number:

SPACING & FORMATIONS COMMENTS

DOCKET NUMBER 1412-SP-2203 (252-13)

OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
CHEROKEE K	CRKE	252-13	80	S/2NE4
LANSING-KANSAS CITY	LGKC	252-13	80	S/2NE4
MARMATON	MRTN	252-13	80	S/2NE4
MISSISSIPPIAN	MSSP	252-13	80	S/2NE4

DRILLING PROGRAM

Proposed Total Measured Depth: 5400 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1249 Feet (Including plugged wells)

Will a closed-loop drilling system be used? No

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? Yes (If Yes, attach an H₂S Drilling Operations Plan)

Will salt sections be encountered during drilling? Yes

Will salt based (>15,000 ppm Cl) drilling fluids be used? No

Will oil based drilling fluids be used? No

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

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: ONSITE Drilling Fluids Disposal Methods: Other

Cuttings Disposal: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

DRY & BACKFILL

Beneficial reuse or land application plan submitted?

Reuse Facility ID: or Document Number:

CASING PROGRAM

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	400	110	400	0
1ST	7+7/8	4+1/2	10.5	0	5400	200	5400	4000
S.C. 1.1						0	1500	900

☒ Conductor Casing is NOT planned

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☐ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318A.a. Exception Location (GWA Windows).
- ☐ Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

- ☐ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number

OTHER LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318.c. Exception Location from Rule or Spacing Order Number _____
- ☐ Rule 603.a.(2) Exception Location (Property Line Setback).

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments _____

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: _____

Is this application being submitted with an Oil and Gas Location Assessment application? _____ Yes

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: LARRY F MANIKOWSKI

Title: PRESIDENT & CEO/CFO Date: 1/6/2015 Email: LFMANSKI@AOL.COM

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 2/17/2015

Expiration Date: 02/16/2017

API NUMBER

05 061 06895 00

Conditions Of Approval

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.

COA Type

Description

	Open hole resistivity and gamma logs shall be run to describe the stratigraphy of the entire well bore and to adequately verify the setting depth of surface casing and aquifer coverage. On a multi-well pad, these open hole logs are only required on one of the first wells drilled on the pad and the Drilling Completion Report - Form 5 for every well on the pad shall identify which well was logged.
	1) Provide 48 hr notice prior to spud via electronic Form 42. 2) If production casing is set cement from TD to 200' above Marmaton. Ensure cement coverage of Cheyenne & Dakota interval (1500' – 900' minimum). Verify with CBL. 3) If well is a dry hole set the following plugs: 40 sks cement 50' above the Morrow, 40 sks cement 50' above the Marmaton, 40 sks cement across any DST w/ show, 40 sks cement at 1500', 40 sks cement at 900', 50 sks cement from 50' below surface casing shoe up into surface casing, 15 sks cement in top of surface csg, cut 4 feet below GL, weld on plate, 5 sks cement in rat hole and mouse hole.

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2494182	FORM 2 SUBMITTED
2494184	TOPO MAP
2494185	WAIVERS
2494186	H2S CONTINGENCY PLAN
2519604	WELL LOCATION PLAT

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	2/17/2015 8:14:46 AM
Permit	Location revised by 3 feet and also GPS latitude to be in compliance with order 252-13. per operator.	1/13/2015 9:42:08 AM
Permit	Operator provided correct lease description	1/12/2015 1:56:29 PM
Permit	What is the 502b variance request. Variance request removed from form. Distance to another well revised from 900' to 1249'.	1/12/2015 1:55:28 PM
Permit	Waiver letter cites incorrect Rule. The surface owner has already signed. The correct Rule regarding suspension of the approved drilling permit is Rule 305.e.1 & 2. The waiver pertains to the 10 day WHOA period in which the surface owner can intervene in the drilling of the well.	1/12/2015 1:29:36 PM
Permit	According to the order 252-13 the well is to be no closer than 364 feet from southern unit line. Measures out to be 361'.	1/12/2015 1:07:39 PM
Permit	Lease description does not match 240 acres total.	1/12/2015 12:29:12 PM

Total: 7 comment(s)