

**FORM
2A**Rev
04/01**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:

2237217

Date Received:

06/22/2012

Oil and Gas Location Assessment☒ New Location ☐ Amend Existing Location Location#: _____

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a standalone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

429611

Expiration Date:

07/15/2015☒ This location assessment is included as part of a permit application.**1. CONSULTATION**

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # _____
- ☐ This location is in a sensitive wildlife habitat area.
- ☐ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

2. Operator

Operator Number: 10234

Name: BAYHORSE PETROLEUM LLC

Address: 2558 E PORTSMOUTH AVE

City: SALT LAKE CITY State: UT Zip: 84121

3. Contact Information

Name: ROD VAUGHN

Phone: (435) 752-2021

Fax: (435) 752-2021

email: RLVAUGHN47@Q.COM

4. Location Identification:

Name: TRADE WINDS SOUTH Number: 1-27

County: KIOWA

QuarterQuarter: NWSW Section: 27 Township: 18S Range: 47W Meridian: 6 Ground Elevation: 4124

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 1980 feet FSL, from North or South section line, and 610 feet FWL, from East or West section line.

Latitude: 38.460410 Longitude: -102.673120 PDOP Reading: 3.1 Date of Measurement: 06/11/2012

Instrument Operator's Name: _____

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text" value="3"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text" value="1"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text" value="1"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 07/16/2012 Size of disturbed area during construction in acres: 3.60
Estimated date that interim reclamation will begin: 01/16/2013 Size of location after interim reclamation in acres: 0.90
Estimated post-construction ground elevation: 4124 Will a closed loop system be used for drilling fluids: Yes ☐
Will salt sections be encountered during drilling: Yes ☒ No ☐ Is H2S anticipated? Yes ☒ No ☐
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒
Mud disposal: Offsite ☐ Onsite ☒ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☐
Other: DRY & BACKFILL

7. Surface Owner:

Name: M.L. TEAL Phone: 479/754-8656
Address: 1111 N. COLLEGE AV E. Fax: _____
Address: _____ Email: _____
City: CLARKSVILLE State: AZ Zip: 72830 Date of Rule 306 surface owner consultation: 06/18/2012
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
The surface owner is: ☒ the mineral owner ☒ committed to an oil and gas lease
☐ is the executer of the oil and gas lease ☐ the applicant
The right to construct the location is granted by: ☒ oil and gas lease ☐ Surface Use Agreement ☐ Right of Way
☐ applicant is owner
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID _____

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20090091 ☐ Gas Facility Surety ID: _____ ☐ Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 4640, public road: 2414, above ground utilit: 2487
, railroad: 2517, property line: 610

10. Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

11. Future Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 7 BIJOU-VALENT SANDY LOAM

NRCS Map Unit Name: 35 SUNDANCE LOAMY SAND

NRCS Map Unit Name:

13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒

Plant species from: ☒ NRCS or, ☐ field observation Date of observation: _____

List individual species: PRAIRIE SANDREED, SAND BLUESTEM, SAND SAGEBRUSH, SAND DROPSEED, SIDEOATS GRAMMA, NEEDLEANDTHREAD, THICKSPIKE WHEATGRASS, WHEATGRASS.

Check all plant communities that exist in the disturbed area.

- ☒ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
☒ Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
☐ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)
☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
☐ Alpine (above timberline)
☐ Other (describe): _____

14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 2200, water well: 5979, depth to ground water: 37

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Supply Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☐ No ☐ Yes

15. Comments:

BARBED WIRE FENCE APPROX. 150' FROM LOCATION. A HYDROGEN SULFIDE CONTINGENCY PLAN DOCUMENT HAS BEEN SUBMITTED WITH THE APD. NO CONDUCTOR PIPE WILL BE USED. NEAREST WATER WELL PERMIT #: 95369. DEPTH: 65"; STATIC: NOT REPORTED

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

Signed: _____ Date: 06/16/2012 Email: RLVAUGHN47@Q.COM

Print Name: RODNEY L. VAUGHN Title: PRESIDENT

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: 7/16/2012

**CONDITIONS OF
APPROVAL, IF ANY:**

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

Operator shall collect a sample drilling fluid sample after reaching total depth. The sample submitted to an analytical laboratory for Sodium and Chloride. Results of the analytical test shall be submitted to the COGCC via Form 4 to Arthur Koepsell at arthur.koepsell@state.co.us..

Provide notice to COGCC 48-hours prior to commencement of construction activities via form 42.

Attachment Check List

Att Doc Num	Name
2237217	FORM 2A SUBMITTED
2237218	LOCATION PICTURES
2237219	LOCATION DRAWING
2237220	HYDROLOGY MAP
2237221	ACCESS ROAD MAP
2237222	REFERENCE AREA MAP
2237223	REFERENCE AREA PICTURES
2237224	NRCS MAP UNIT DESC
2533623	NRCS MAP UNIT DESC
2533624	CORRESPONDENCE

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Rod Vaughn described the salt section as being small. At the most Bayhorse expects the salt to be approximately 500 ppm.	7/16/2012 11:14:08 AM
OGLA	Rod Vaughn described the the three pits on site as a freshwater pit, and reserve pit and a circulation pit.	7/16/2012 11:11:31 AM
Permit	Final Review passed 7/16/2012 NKP	7/16/2012 10:10:48 AM
OGLA	Ready to pass 7/16/2012.	7/9/2012 1:49:32 PM
OGLA	Made changes to the Distance to Surface Water, Date to Commence Construction and Date to Commence Interem Reclamation at Rod Vaughn's request.	7/9/2012 1:47:38 PM
OGLA	Map unit 35 Sundance Loamy Sand should be added to the form 2A.	6/26/2012 8:02:22 AM
Permit	Entered 37 feet for depth to ground water, and 5979 feet for distance to that well per Rod Vaughn.	6/25/2012 2:14:09 PM
Permit	Called operator for depth to groundwater. Interim reclamation date on application was 1.15.13. I made the correction. 317B entry ok, location is not within a 317b Surface Water Supply area buffer.	6/25/2012 11:37:03 AM
Data Entry	#14: WATER RESOURCES: DEPTH TO GROUND WATER OMITTED BY OPERATOR "1" ENTERED FOR SUBMISSION PURPOSE. OPERATOR ENTERED POST DATE FOR INTERIM RECLAMATION TO BEGIN. 8/1/12 ENTERED FOR SUBMISSION PURPOSE. OPERATOR OMITTED RULE 317B ENTRY FOR WATER RESOURCES. INSTRUMENT OPERATOR'S NAME ALSO OMITTED BY OPERATOR.	6/25/2012 10:05:34 AM

Total: 9 comment(s)

BMP

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

Total: 0 comment(s)