

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:

400930119

APPLICATION FOR PERMIT TO:

Drill       Deepen       Re-enter       Recomplete and Operate

Date Received:

02/29/2016

TYPE OF WELL    OIL     GAS     COALBED     OTHER \_\_\_\_\_

Refilling

ZONE TYPE    SINGLE ZONE     MULTIPLE ZONES     COMMINGLE ZONES

Sidetrack

Well Name: HILGERS      Well Number: 41N-26HZ  
Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP      COGCC Operator Number: 47120  
Address: P O BOX 173779  
City: DENVER      State: CO      Zip: 80217-3779  
Contact Name: Cheryl Light      Phone: (720)929-6461      Fax: (720)929-7759  
Email: Cheryl.Light@anadarko.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20010124

WELL LOCATION INFORMATION

QtrQtr: SESE      Sec: 22      Twp: 3N      Rng: 68W      Meridian: 6  
Latitude: 40.206605      Longitude: -104.982153

Footage at Surface: 857 feet      FNL/FSL      FSL      730 feet      FEL/FWL      FEL

Field Name: WATTENBERG      Field Number: 90750

Ground Elevation: 5000      County: WELD

GPS Data:

Date of Measurement: 06/25/2015      PDOP Reading: 2.1      Instrument Operator's Name: JEFF HAWKINS

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  
344      FNL      14      FEL      555      FNL      151      FEL  
Sec: 27      Twp: 3N      Rng: 68W      Sec: 26      Twp: 3N      Rng: 68W

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.)

See lease map.

Total Acres in Described Lease: 94 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: 0 Feet

**CULTURAL DISTANCE INFORMATION**

Distance to nearest:

Building: 521 Feet  
 Building Unit: 885 Feet  
 High Occupancy Building Unit: 5154 Feet  
 Designated Outside Activity Area: 5280 Feet  
 Public Road: 362 Feet  
 Above Ground Utility: 1982 Feet  
 Railroad: 5280 Feet  
 Property Line: 275 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: 11/10/2015

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: 11/10/2015

**SPACING and UNIT INFORMATION**

Distance from completed portion of proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 90 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 555 Feet (Enter 5280 for distance greater than 1 mile.)

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

**SPACING & FORMATIONS COMMENTS****UNIT CONFIGURATION:**

3N68W Sec 22: SESE  
 3N68W Sec 23: S2SW  
 3N68W Sec 25: NWNW  
 3N68W Sec 26: N2N2  
 3N68W Sec 27: NENE

**OBJECTIVE FORMATIONS**

| Objective Formation(s) | Formation Code | Spacing Order Number(s) | Unit Acreage Assigned to Well | Unit Configuration (N/2, SE/4, etc.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| NIOBRARA               | NBRR           |                         | 360                           | GWA                                  |

**DRILLING PROGRAM**

Proposed Total Measured Depth: 12843 Feet

Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator:

1930 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H<sub>2</sub>S Drilling Operations Plan)

Will salt sections be encountered during drilling? No

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

Will oil based drilling fluids be used? Yes

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 318A

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Commercial Disposal

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

Please see Comments section. Disposal description will not fit in space provided.

Beneficial reuse or land application plan submitted? Yes

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        | 13+1/2       | 9+5/8          | 36    | 0             | 1800          | 710       | 1800    | 0       |
| 1ST         | 7+7/8        | 5+1/2          | 17    | 0             | 12833         | 1503      | 12833   |         |

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

**OTHER DISPOSAL DESCRIPTION:**

Drilling fluids disposal: KMG will reuse water-based drilling fluids to the maximum extent possible, at which point they will either be land applied or taken to a licensed, commercial disposal site; the decision will be based upon laboratory analysis of fluids. KMG will reuse oil-based drilling fluids to the maximum extent possible, at which point they will be returned to the fluids manufacturer for reconditioning or disposal at a licensed, commercial disposal site.

Cuttings disposal: If the surface owner authorizes, and if it is feasible for this location at the time of drilling, water-based cuttings will be disposed of onsite using bioremediation/solidification product. If the surface owner does not authorize onsite disposal and/or it is not feasible for this location at the time of drilling, water-based cuttings will be disposed of using a Centralized E&P Waste Management facility or a private spread field. Oil-based cuttings will be disposed of offsite and at a licensed, commercial disposal site.

This proposed well will have a treated interval less than one hundred fifty (150) feet from the treated interval of another well and is subject to COGCC Rule 317.r.  
 The following well(s) belong to Kerr-McGee and will have treated intervals within one hundred fifty (150) feet of this proposed well:  
 RADEMACHER 3-26  
 DOUTHIT 1-26  
 DOUTHIT 26-26 (3200' vertical separation)

This application is in a Comprehensive Drilling Plan       No       CDP #: \_\_\_\_\_

Location ID:       331768      

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:       Cheryl Light      

Title:       Sr Regulatory Analyst       Date:       2/29/2016       Email:       djregulatory@anadarko.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:       *Matthew Lee*       Director of COGCC Date:       6/22/2016      

Expiration Date:       06/21/2018      

|                   |
|-------------------|
| <b>API NUMBER</b> |
| 05 123 43305 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.

| <u>COA Type</u> | <u>Description</u>   |
|-----------------|--|
|                 | Offset wells evaluated   |
|                 | Bradenhead tests shall be performed and reported according to the following schedule and Form 17 submitted within 10 days of each test.<br>1) Within 60 days of rig release, prior to stimulation.<br>2) 6 months after rig release, prior to stimulation.<br>3) Within 30 days of first production, as reported on Form 5A.   |
|                 | 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU (spud notice) for the first well activity with a rig on the pad and provide 48 hour spud notice via Form 42 for all subsequent wells drilled on the pad.<br>2) Comply with Rule 317.j. and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. |

## Best Management Practices

| <u>No</u> | <u>BMP/COA Type</u>                 | <u>Description</u>   |
|-----------|-------------------------------------|--|
| 1         | Planning                            | 604c.(2).E. Multi-Well Pads: In order to reduce surface impact, this application is for a nine-well pad.   |
| 2         | Planning                            | 604c.(2).Q. Guy Line Anchors: Should guy line anchors be left buried for future use, they shall be identified by a bright marker greater than four (4) feet high and no more than one (1) foot east of the guy line anchor.  |
| 3         | Planning                            | 604c.(2).R. Tank Specifications: Two 500 barrel skid-mounted frac tanks will be temporarily placed on-site for use of the pre-spud rig only. One tank will store water and the other will store water based mud.   |
| 4         | Planning                            | 604c.(2).S. Access Roads: KMG will utilize a lease access road from Highway 66 for drilling, completions, and production operations, including maintenance equipment. The road will be properly constructed and maintained to accommodate for local emergency vehicle access.  |
| 5         | Planning                            | 604c.(2).V. Development From Existing Well Pads: KMG will locate the nine new proposed horizontal wells on the existing well pad with location ID # 331768 to reduce the amount of surface disturbance associated with this project.   |
| 6         | Community Outreach and Notification | 305.a.(2) A Notice of Intent to Conduct Operations was sent to each building unit owner within the Exception Zone or Buffer Zone Setback. Recipients did not contact KMG.<br><br>As a part of planning this proposed location, Kerr-McGee held multi-disciplinary Surface Impact Planning Meetings regarding the impacts and mitigations associated with this proposed location. The toll-free hotline number and email for the Anadarko Colorado Response Line will be posted at the entrance to the lease access road for stakeholders during drilling and completion operations at this proposed location. Courtesy Notifications will be sent to impacted stakeholders prior to drilling operations and again prior to completions operations, providing contact information for the Anadarko Colorado Response Line and online resources. |
| 7         | Traffic control                     | 604c.(2).D. Traffic Plan: If required by the local government, a traffic plan will be coordinated with the local jurisdiction prior to commencement of operations.   |
| 8         | General Housekeeping                | 604c.(2).O. Loadlines: All loadlines shall be bullplugged or capped.   |
| 9         | General Housekeeping                | 604c.(2).P. Removal of Surface Trash: A commercial size trash bin for removing debris will be located on site. This bin will be for use by all parties affiliated with the operation.  |
| 10        | Storm Water/Erosion Control         | 604c.(2).G. Berm Construction: Kerr-McGee will create tertiary containment by construction of a berm or diversion dike, site grading, or other comparable measures sufficient to further protect the ditch located 698' SW of this proposed oil and gas location.  |

|    |  |  |
|----|--|--|
| 11 | Storm Water/Erosion Control            | 604c.(2).W. Site-Specific Measures: KMG maintains a Storm Water Management Plan that assesses erosion control for every KMG operated location. This location will be added to this plan once construction begins. This site will be inspected every fourteen (14) days during construction activities, every twenty-eight (28) days after construction is completed, and after any major weather event.  |
| 12 | Material Handling and Spill Prevention | 604c.(2).N. Control of Fire Hazards: KMG and its contractors will employ best management practices during the drilling and production of its wells and facilities and will comply with appropriate COGCC rules concerning safety and fire. KMG will ensure that any material that might be deemed a fire hazard will remain no less than twenty-five (25) feet from the wellhead(s), tanks and separator(s).   |
| 13 | Dust control                           | 805.c. Dust: Water will be placed on dirt access roads to mitigate dust as needed. If feasible, magnesium chloride will also be used as needed on access roads to further abate dust. Highway 66 is paved and maintained by Weld County and will therefore not require dust mitigation.<br><br>Straw bales placed on location will further help to minimize dust impacts from operations on location to the surrounding area.  |
| 14 | Construction                           | 604c.(2).M. Fencing Requirements: The completed wellsites will be surrounded with a fence and gate with adequate lock to restrict access to authorized personnel only. KMG personnel will monitor the wellsites regularly upon completion of the wells. Authorized representatives and/or KMG personnel shall be on-site during drilling and completion operations.  |
| 15 | Noise mitigation                       | 604c.(2).A. Noise: Sound surveys have been conducted on each rig type and are utilized to anticipate any additional effective noise mitigation once a drilling rig is determined.<br><br>At a minimum, and pending a safety review after construction of the location, sound mitigation barriers (straw bales) will be placed around the perimeter of the pad location (excluding access points) to dampen noise and minimize impact to the nearby residences and to Highway 66 and Interstate 25 during drilling and completions. Operations are not expected to significantly impact the building units on the other side of the Interstate, due to the commercial/industrial nature of the building units and the ambient noise from the Interstate.<br><br>Should technological advancements allow for better noise mitigation at the time of drilling and completion operations on this location, Kerr-McGee will re-evaluate the most effective method at that time. |
| 16 | Drilling/Completion Operations         | 604c.(2).B. Closed Loop Drilling System: KMG will use a closed loop or "pitless" system for drilling and fluid management and will not construct a reserve pit.  |
| 17 | Drilling/Completion Operations         | 604c.(2).C. Green Completions: Temporary above ground polyethylene water pipelines will deliver water to location operations from larger trunk lines to reduce truck traffic and minimize air pollution. Pipeline infrastructure is in place prior to completions operations to ensure saleable gas, once hydrocarbons are cut, is sent directly to sales without flaring during flowback.   |
| 18 | Drilling/Completion Operations         | 604c.(2).H. BOPE: Our rigs at a minimum will have a double ram with blind and pipe ram and annular preventer.  |
| 19 | Drilling/Completion Operations         | 604c.(2).I. BOPE Testing for Drilling Operations: Upon initial rig-up, BOPEs will be tested at a minimum of every 30 days.   |
| 20 | Drilling/Completion Operations         | 604c.(2).J. BOPE for Well Servicing Operations: Blowout prevention equipment will be used on any servicing operations associated with this well. Backup stabbing valves will be used during any future servicing operations during reverse circulation. Valves shall be pressure tested before each well servicing operation using low-pressure air and high-pressure fluid.   |
| 21 | Drilling/Completion Operations         | 604c.(2).K. Pit Level Indicators: All storage tanks used for active drilling operations (used in lieu of pits) contain pit level monitors with Electronic Drilling Recorders (EDR). KMG uses EDRs with pit level monitor(s) and alarm(s) for production rigs. Basic level gauges are used on tanks utilized for the surface rig.   |
| 22 | Drilling/Completion Operations         | 604c.(2).L. Drill Stem Tests: No drill stem tests are planned and none will be performed without prior approval from the Director.   |

|    |                                |   |
|----|--------------------------------|---|
| 23 | Drilling/Completion Operations | 803. Lighting: To the extent practicable, site lighting shall be shielded and directed downward and inward toward operations to avoid glare on public roads and nearby Building Units.<br>Straw bales placed on location will further assist in mitigating light nuisance for residents and drivers in the area. LED lighting will be utilized during completions operations on this location.  |
| 24 | Drilling/Completion Operations | Visual Mitigation: A flare enclosure will be utilized during drilling operations. Straw bales will also assist in providing visual mitigation during drilling and completion operations.  |
| 25 | Drilling/Completion Operations | 604.c.(4)B.i. Production Facility will be automated and remotely monitored by the Integrated Operations Center (IOC) at all times. In the event of a fire, explosion or lighting strike, wells flowing to the Production Facility would be remotely shut-in and Kerr McGee's Emergency Response Plan would be initiated. This location is bonded and grounded and static is not a concern due to the lack of oil storage tanks.   |
| 26 | Drilling/Completion Operations | 604.c.(4)B.ii. The piping between pieces of equipment on this Production Facility will be above-ground on racks, expediting any fluid leak detection and associated repair. Oil will be piped off location in a closed system to the sales line, minimizing on-site fluid handling and storage. Water and condensate will be stored on location and Kerr-McGee will adhere to all regulations pertaining to leak detection, repair, reporting and record keeping.   |
| 27 | Drilling/Completion Operations | 604.c.(4)B.iii. This Production Facility will have continuous pressure monitoring by the IOC (Integrated Operations Center) and in the event of an upset condition the entire facility would be shut down to prevent improper venting from occurring. Bulk and production separators have monitors that assist in preventing a release to the atmosphere. ECDs are constantly monitored and any upset conditions would result in all wells served by the ECD being remotely shut-in. At this site, Kerr-McGee will install compressed air (instrument air skids) to drive pneumatically actuated valves; there are no emissions associated with this activity.  |
| 28 | Drilling/Completion Operations | 604.c.(4)B.iv. Zero flaring or venting of gas upon completion of flowback, excepting upset or emergency conditions, or with prior written approval from the director for necessary maintenance operations.  |
| 29 | Drilling/Completion Operations | 604.c.(4)B.v. Fluid levels at the Production Facility are metered via sensor automation. Maintenance tanks are used only during maintenance and upset conditions, with levels monitored at all times. Oil will not be trucked off location; it will be transported via a closed system that ties into a sales line.   |
| 30 | Drilling/Completion Operations | 604.c.(4)B.vi. During completions operations, proppant is contained on location in sand silos, which are designed to minimize release and reduce silica dust at ground level and at breathing levels. The associated process has been tested to ensure compliance with OSHA & industry regulations and standards.   |
| 31 | Drilling/Completion Operations | Kerr-McGee acknowledges and will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012.   |
| 32 | Drilling/Completion Operations | Anti-Collision: Kerr-McGee will perform an anti-collision evaluation of all active (producing, shut in, or temporarily abandoned) offset wellbores that have the potential of being within one hundred fifty (150) feet of a proposed well prior to drilling operations for the proposed well. Notice shall be given to all offset operators within one hundred fifty (150) feet prior to drilling.   |
| 33 | Drilling/Completion Operations | 317.p Logging Program: One of the first wells drilled on the pad will be logged with Cased-hole Pulsed Neutron Log with Gamma Ray Log from kick-off point to into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run in that well and have those logs attached. The Form 5 for each well shall clearly state "No open-hole logs were run" and shall reference the Rule 317.p Exception granted for the well. |
| 34 | Final Reclamation              | 604c.(2).T. Well Site Cleared: The wellsite will be cleared of all non-essential equipment within ninety (90) days after all wells associated with the pad have been plugged and abandoned.   |

|    |                   |   |
|----|-------------------|---|
| 35 | Final Reclamation | 604c.(2).U. Identification of Plugged and Abandoned Wells: Pursuant to rule 319.a.(5)., once the well has been plugged and abandoned, KMG will identify the location of the wellbore with a permanent monument that will detail the well name and date of plugging. |
|----|-------------------|---|

Total: 35 comment(s)

### **Applicable Policies and Notices to Operators**

|  |
|--|
| Policy   |
| Notice Concerning Operating Requirements for Wildlife Protection.<br><a href="http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf">http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf</a>   |
| Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area.<br><a href="http://cogcc.state.co.us/documents/reg/Policies/PolicyGwaBradenheadMonitoringFinal.pdf">http://cogcc.state.co.us/documents/reg/Policies/PolicyGwaBradenheadMonitoringFinal.pdf</a> |

### **Attachment Check List**

| <b><u>Att Doc Num</u></b> | <b><u>Name</u></b>          |
|---------------------------|-----------------------------|
| 2365165                   | SURFACE CASING CHECK        |
| 400930119                 | FORM 2 SUBMITTED            |
| 400996909                 | MINERAL LEASE MAP           |
| 400997120                 | OffsetWellEvaluations Data  |
| 400997129                 | DIRECTIONAL DATA            |
| 400997131                 | OPEN HOLE LOGGING EXCEPTION |
| 400997132                 | OTHER                       |
| 400997133                 | DEVIATED DRILLING PLAN      |
| 400997140                 | WELL LOCATION PLAT          |
| 400997142                 | PROPOSED SPACING UNIT       |

Total Attach: 10 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>   | <b><u>Comment Date</u></b> |
|--------------------------|---|----------------------------|
| Engineer                 | Changed "Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator" from 3103' to 1930'.  | 6/22/2016<br>8:44:01 AM    |
| Permit                   | Final Review Completed.   | 6/21/2016<br>1:33:11 PM    |
| Permit                   | Corrected Open Hole Logging BMP. Attached new mineral lease map & changed description to See lease map. Changed total acres to 93.72. Changed "The minerals beneath this O&G location will be developed" from NO to YES. Changed contact information. Permitting Review Complete. | 5/3/2016 1:27:57<br>PM     |
| Permit                   | ON HOLD: requesting corrected Open Hole Logging BMP, requesting a review of the mineral lease and total acres, confirming "The minerals beneath this O&G location will be developed".   | 6/3/2016<br>11:26:41 AM    |
| Permit                   | Operator requested Exception to Open Hole Logging Rule 317.p. See attached.   | 6/3/2016<br>11:26:40 AM    |
| Permit                   | Passed completeness.  | 3/1/2016 3:49:40<br>PM     |

Total: 6 comment(s)