

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

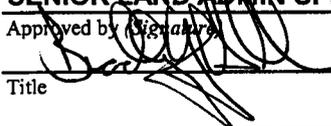
FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

|  |  |   |  |
|--|--|---|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |  | 5. Lease Serial No.<br><b>UTU-25880</b>   |  |
| b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone      |  | 6. If Indian, Allottee or Tribe Name  |  |
| 2. Name of Operator<br><b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>  |  | 7. If Unit or CA Agreement, Name and No.  |  |
| 3A. Address<br><b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>  |  | 8. Lease Name and Well No.<br><b>BITTER CREEK 1122-6D</b>                         |  |
| 3b. Phone No. (include area code)<br><b>(435) 781-7024</b>   |  | 9. API Well No.<br><b>43-847-39766</b>  |  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface <b>NW/NW 913'FNL, 462'FWL (LOT 4) 39.894329</b><br>At proposed prod. Zone <b>627885X 4416890Y -109.504182</b> |  | 10. Field and Pool, or Exploratory<br><del>UNDESIGNATED</del> <b>Bitter Creek</b> |  |
| 14. Distance in miles and direction from nearest town or post office*<br><b>38.95 +/- MILES SOUTHEAST OF OURAY, UTAH</b>   |  | 11. Sec., T., R., M., or Blk, and Survey or Area<br><b>SEC. 6, T11S, R22E</b>     |  |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>462'</b>  | 16. No. of Acres in lease<br><b>614.64</b> | 17. Spacing Unit dedicated to this well<br><b>40.00</b>                           |  |
| 18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>  | 19. Proposed Depth<br><b>8510'</b>         | 20. BLM/BIA Bond No. on file<br><b>BOND NO. WYB000291</b>                         |  |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br><b>5381'GL</b>  | 22. Approximate date work will start*      | 23. Estimated duration  |  |

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification.</li> <li>6. Such other site specific information and/or plans as may be required by the authorized office.</li> </ul> |
|---|--|

|   |  |                           |
|---|--|---------------------------|
| 25. Signature<br>           | Name (Printed/Typed)<br><b>SHEILA UPCHEGO</b>  | Date<br><b>10/30/2007</b> |
| Title<br><b>SENIOR LAND ADMIN SPECIALIST</b>  |  |                           |
| Approved by (Signature)<br> | Name (Printed/Typed)<br><b>BRADLEY G. HILL</b> | Date<br><b>11-07-07</b>   |
| Title<br><b>ENVIRONMENTAL MANAGER</b>   |  |                           |

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

NOV 02 2007

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary



**BITTER CREEK 1122-6D  
NW/NW LOT. 4, SEC. 6, T11S, R22E  
UINTAH COUNTY, UTAH  
UTU-25880**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

| <u>Formation</u>        | <u>Depth</u> |
|-------------------------|--------------|
| Uinta                   | 0- Surface   |
| Green River             | 788'         |
| Top of Birds Nest Water | 1075'        |
| Mahogany                | 1424'        |
| Wasatch                 | 3882'        |
| Mesaverde               | 6421'        |
| MVU2                    | 7439'        |
| MVL1                    | 8045'        |
| TD                      | 8510'        |

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

| <u>Substance</u> | <u>Formation</u>        | <u>Depth</u> |
|------------------|-------------------------|--------------|
| Water            | Green River             | 788'         |
|                  | Top of Birds Nest Water | 1075'        |
|                  | Mahogany                | 1424'        |
| Gas              | Wasatch                 | 3882'        |
| Gas              | Mesaverde               | 6421'        |
| Gas              | MVU2                    | 7439'        |
| Gas              | MVL1                    | 8045'        |
| Water            | N/A                     |              |
| Other Minerals   | N/A                     |              |

**3. Pressure Control Equipment (Schematic Attached)**

*Please refer to the attached Drilling Program.*

**4. Proposed Casing & Cementing Program:**

*Please refer to the attached Drilling Program.*

**5. Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

**6. Evaluation Program:**

*Please refer to the attached Drilling Program.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8510' TD, approximately equals 5276 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3404 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variations:**

*Please refer to the attached Drilling Program.*

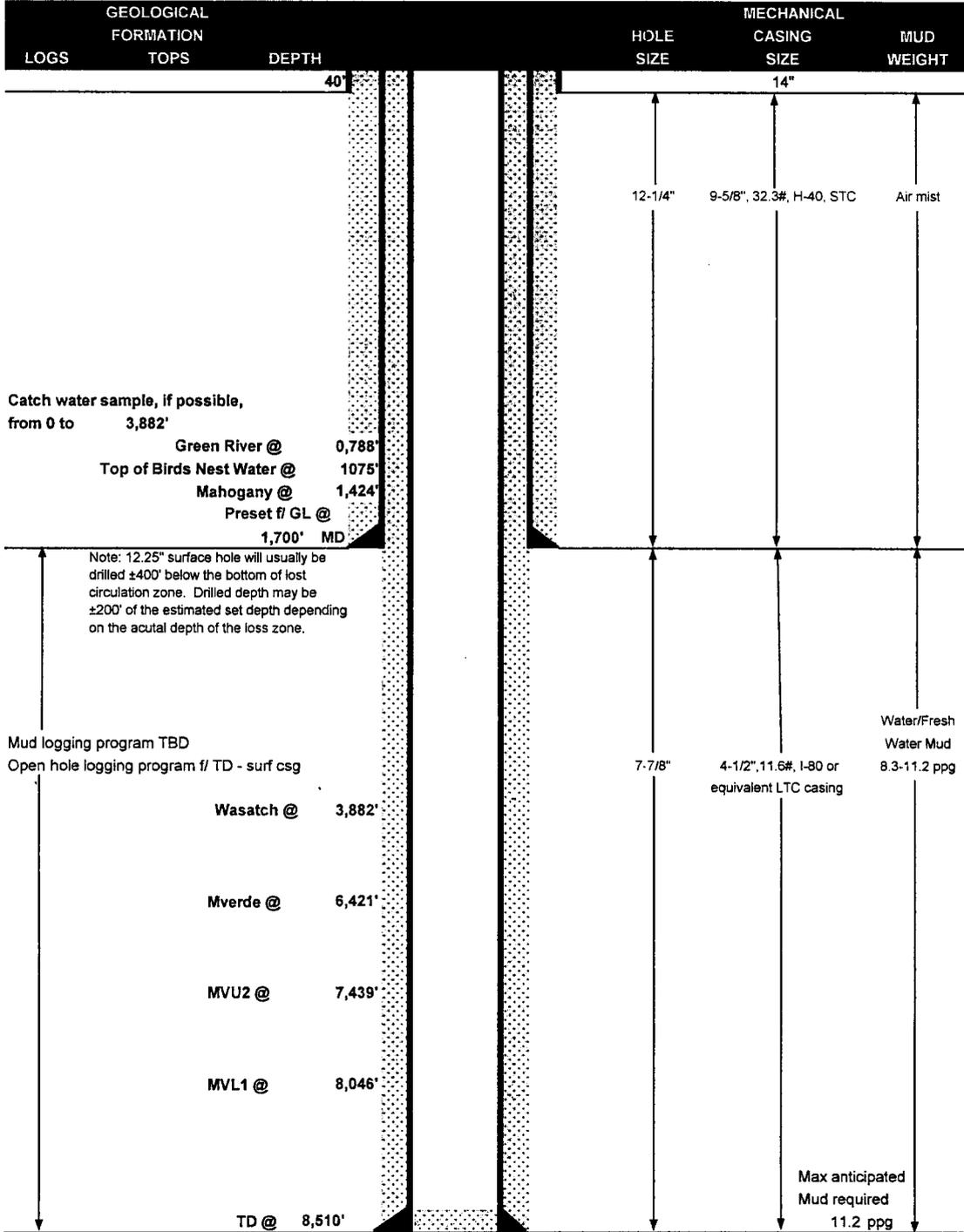
10. **Other Information:**

*Please refer to the attached Drilling Program.*



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE October 30, 2007  
 WELL NAME BITTER CREEK 1122-6D TD 8,510' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,377' GL KB 5,392'  
 SURFACE LOCATION NW/NW LOT 4, SEC. 6, T11S, R22E 913'FNL, 462'FWL BHL Straight Hole  
 Latitude: 39.894111 Longitude: 109.504906  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDGOM, Tri-County Health Dept.





# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

|            | SIZE   | INTERVAL  | WT.   | GR.  | CPLG. | DESIGN FACTORS |          |         |
|------------|--------|-----------|-------|------|-------|----------------|----------|---------|
|            |        |           |       |      |       | BURST          | COLLAPSE | TENSION |
| CONDUCTOR  | 14"    | 0-40'     |       |      |       | 2270           | 1370     | 254000  |
| SURFACE    | 9-5/8" | 0 to 1700 | 32.30 | H-40 | STC   | 7780           | 1.72     | 5.28    |
| PRODUCTION | 4-1/2" | 0 to 8510 | 11.60 | I-80 | LTC   | 2.52           | 1.28     | 201000  |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.2 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)
- MASP 3084 psi

## CEMENT PROGRAM

|            |                 | FT. OF FILL | DESCRIPTION  | SACKS   | EXCESS | WEIGHT | YIELD |  |
|------------|-----------------|-------------|--|---------|--------|--------|-------|--|
| SURFACE    | LEAD            | 500         | Premium cmt + 2% CaCl + .25 pps flocele  | 215     | 60%    | 15.60  | 1.18  |  |
| Option 1   | TOP OUT CMT (1) | 200         | 20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele                          | 50      |        | 15.60  | 1.18  |  |
|            | TOP OUT CMT (2) | as required | Premium cmt + 2% CaCl  | as req. |        | 15.60  | 1.18  |  |
| SURFACE    | Option 2        | LEAD        | NOTE: If well will circulate water to surface, option 2 will be utilized                   |         |        |        |       |  |
|            | LEAD            | 1500        | Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 5% salt BWOC                     | 170     | 35%    | 11.00  | 3.82  |  |
|            | TAIL            | 500         | Premium cmt + 2% CaCl + .25 pps flocele  | 180     | 35%    | 15.60  | 1.18  |  |
|            | TOP OUT CMT     | as required | Premium cmt + 2% CaCl  | as req. |        | 15.60  | 1.18  |  |
| PRODUCTION | LEAD            | 3,380'      | Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 370     | 60%    | 11.00  | 3.38  |  |
|            | TAIL            | 5,130'      | 50/50 Poz/G + 10% salt + 2% gel +.1% R-3   | 1440    | 60%    | 14.30  | 1.31  |  |

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained  
 \*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

|            |   |
|------------|---|
| SURFACE    | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.                   |
| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. |

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

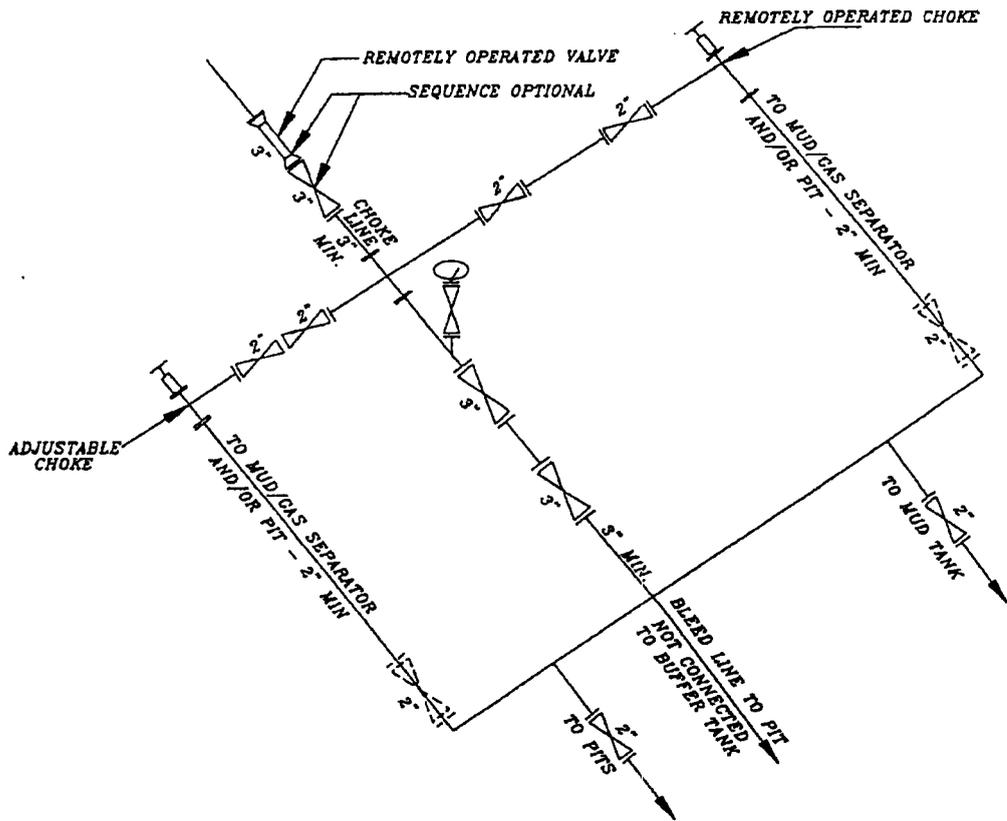
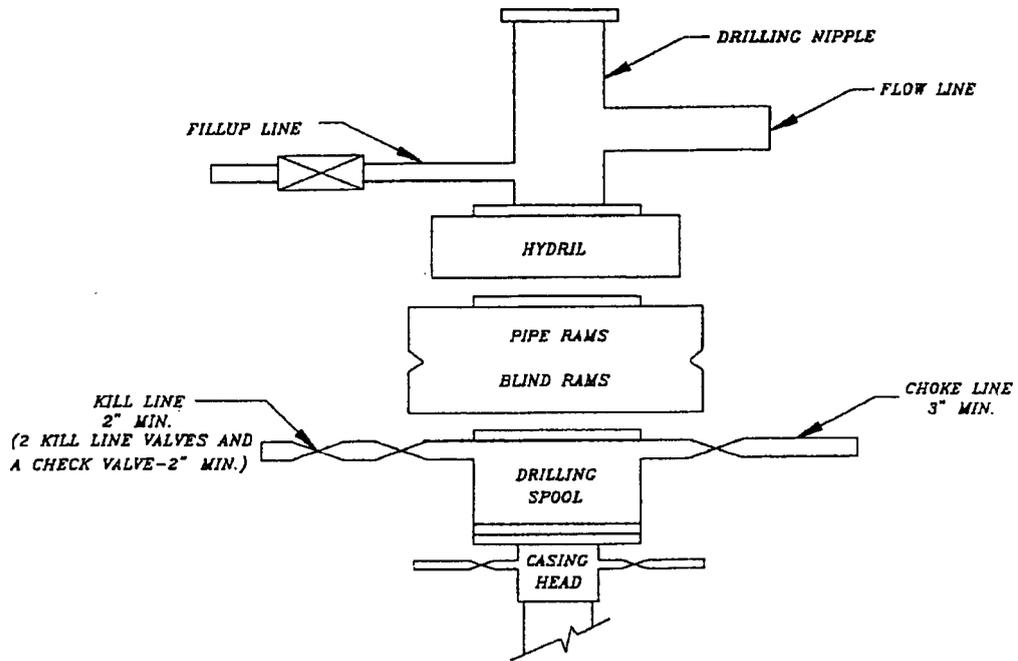
Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: \_\_\_\_\_  
 Brad Laney

DRILLING SUPERINTENDENT: \_\_\_\_\_  
 Randy Bayne

DATE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**BITTER CREEK 1122-6D  
NW/NW LOT. 4, SEC. 6, T11S, R22E  
UINTAH COUNTY, UTAH  
UTU-25880**

**ONSHORE ORDER NO. 1**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

**2. Planned Access Roads:**

Approximately 0.15 +/- miles of access road is proposed. Refer to Topo Map B for the access road.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities & Pipelines:**

*The following guidelines will apply if the well is productive.*

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

**Variations to Best Management Practices (BMP) Requests:**

A 30' of Rights-of-Way will be required for approximately 6750' +/- of 6" steel pipeline shall be installed to the proposed location from the Tie-in point from the 1122-6P (Lease #UTU-71417), the pipeline shall run back onto (Lease #UTU-25880), to tie-in to the proposed location. Refer to Topo Map D for pipeline placement

A 30' of Rights-of-Way will be required for approximately 7050' +/- of 6" steel pipeline shall be installed to the proposed location from the Tie-in point from the 1122-6P (Lease #UTU-71417), the pipeline shall run back onto (Lease #UTU-25880), to tie-in to the proposed location. Refer to Topo Map D for pipeline placement.

The pipeline will be butt-welded together. The pipeline shall be installed on surface within access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR

355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

*Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec.35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

*Producing Location:*

**Interim Surface Reclamation Plan:**

When the pit is backfilled within 180 days of well completion, the operator shall spread the top soil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

*Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for drilled seeds are:

Shad Scale

10 lbs.

The operator shall call BLM for the seed mixture when final reclamation occurs.

**11. Surface Ownership:**

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435) 781-4400

**12. STIPULATIONS:**

**WILDLIFE STIPULATIONS:**

**ANTELOPE:** No drilling or construction from May 15<sup>th</sup> – June 20<sup>th</sup>.

**SAGE GROUSE:** No drilling or construction from March 1<sup>st</sup> – June 30<sup>th</sup>.

**GOLDEN EAGLE:** No drilling or construction from February 1<sup>st</sup> – July 15<sup>th</sup>.

**13. Other Information:**

A Class III Archaeological Survey has been performed the report will be submitted when the report becomes available.

The Paleontological Reconnaissance Survey has been performed will be submitted when report becomes available.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

**13. Lessee's or Operators's Representative & Certification:**

Sheila Upchego  
Senior Land Admin Specialist  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Westport Oil & Gas Company agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that the proposed drill site and access route has been inspected and that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

October 30, 2007  
Date

**Kerr-McGee Oil & Gas Onshore LP**  
**BITTER CREEK #1122-6D**  
**SECTION 6, T11S, R22E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TURN RIGHT AND PROCEED IN A WESTERLY, THEN NORTH WESTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRCTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 56.95 MILES.

# Kerr-McGee Oil & Gas Onshore LP

## BITTER CREEK #1122-6D

LOCATED IN UINTAH COUNTY, UTAH

SECTION 6, T11S, R22E, S.L.B.&M.

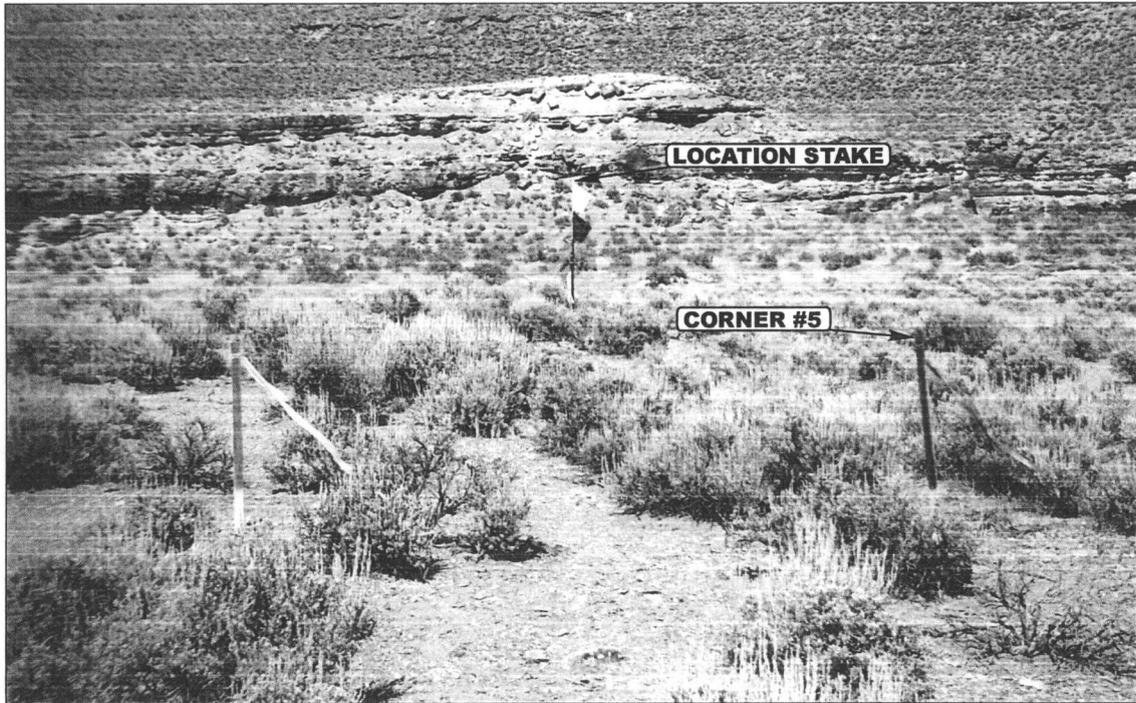


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

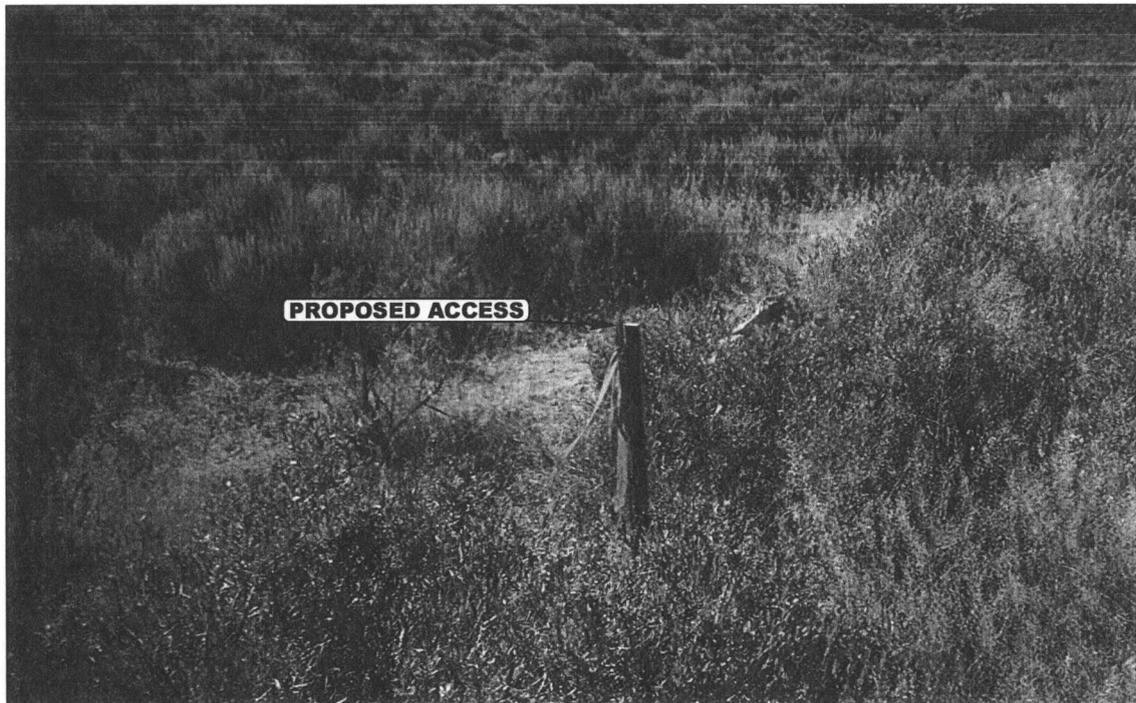


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

06 29 07  
MONTH DAY YEAR

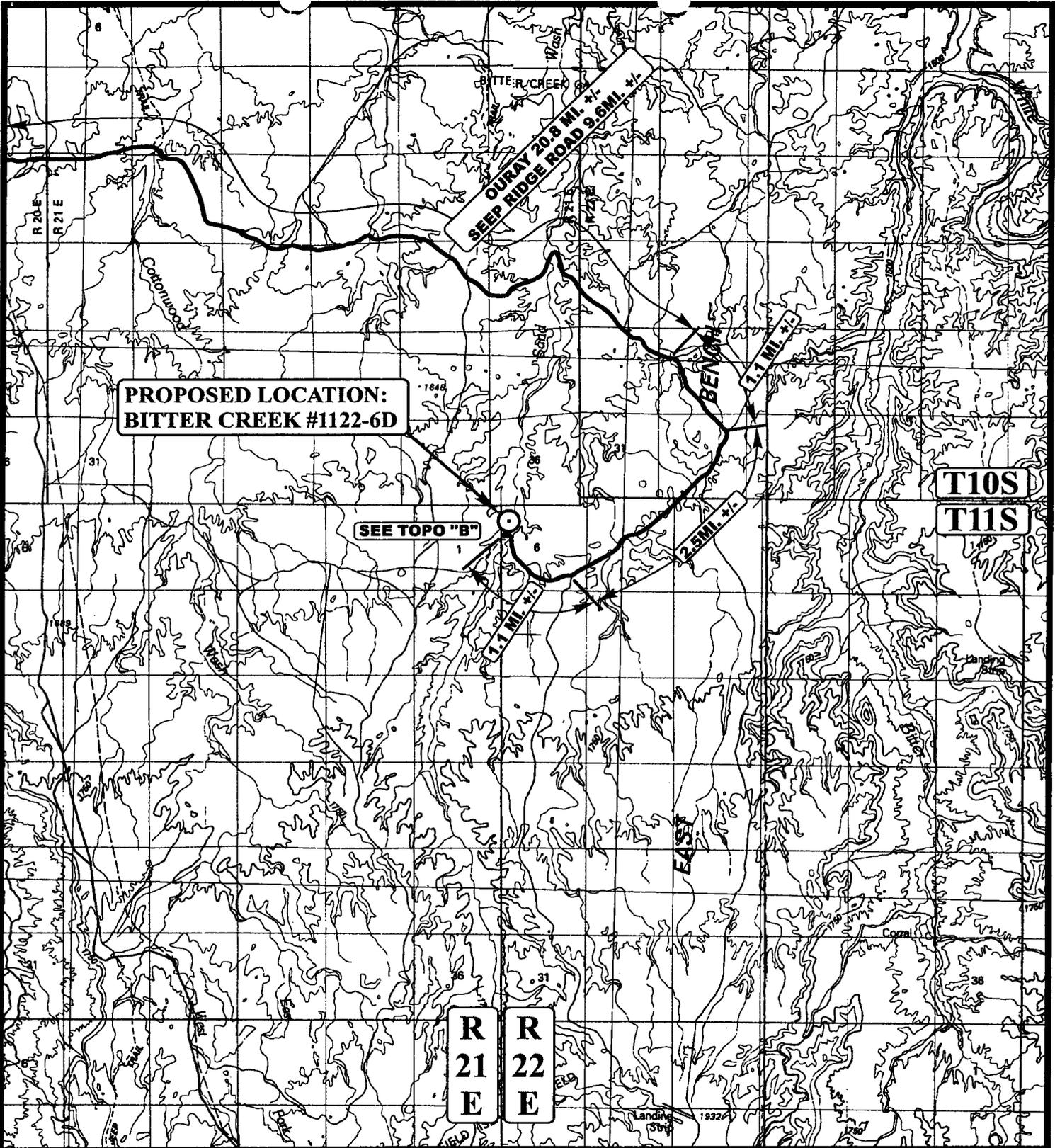
PHOTO

TAKEN BY: J.M.

DRAWN BY: A.A.

REVISED: 07-10-07

- Since 1964 -



**PROPOSED LOCATION:  
BITTER CREEK #1122-6D**

**SEE TOPO "B"**

**T10S  
T11S**

**R  
21  
E**      **R  
22  
E**

**LEGEND:**

⊙ PROPOSED LOCATION



**Kerr-McGee Oil & Gas Onshore LP**

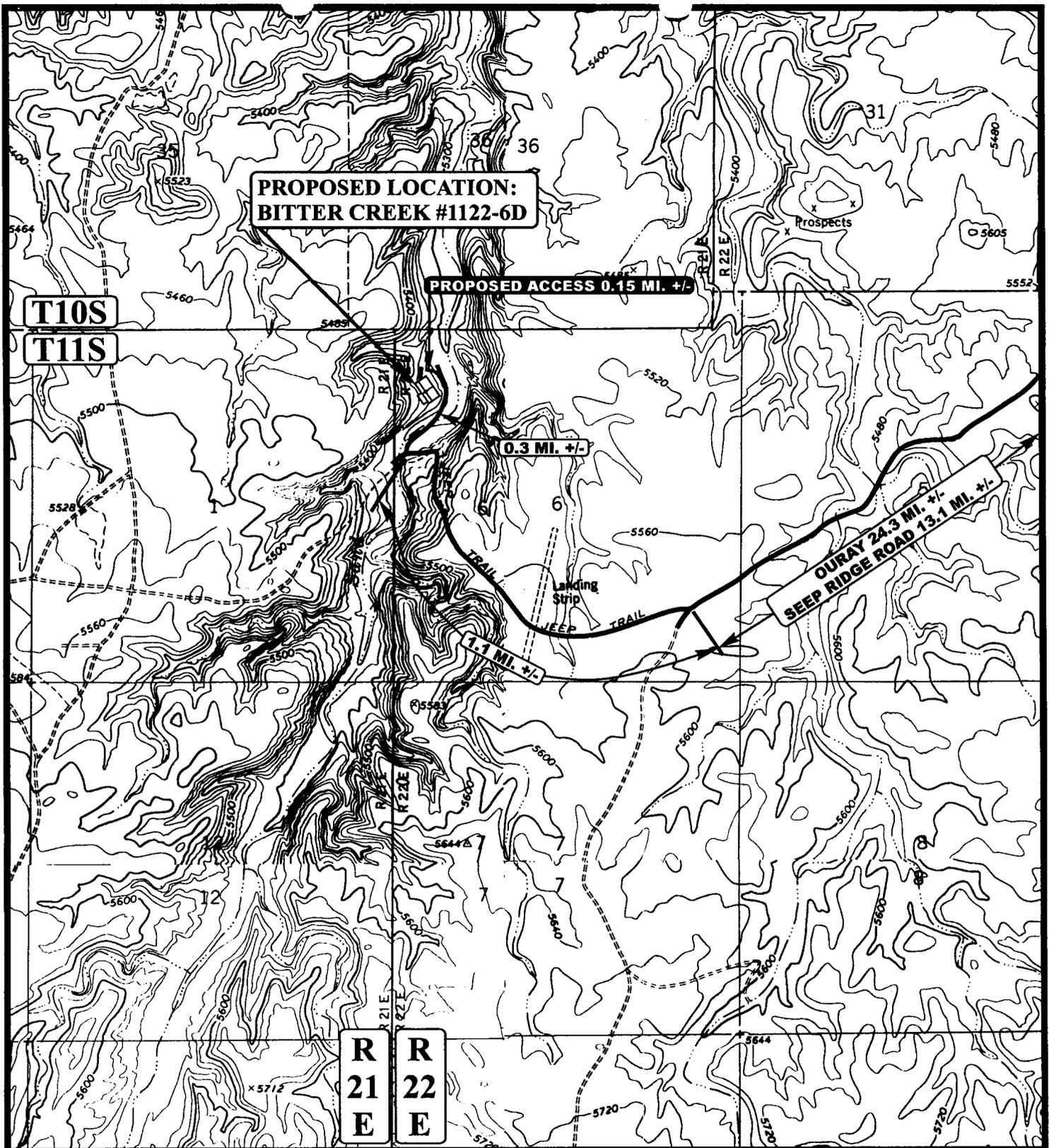
**BITTER CREEK #1122-6D  
SECTION 6, T11S, R22E, S.L.B.&M.  
913' FNL 462' FWL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 06 29 07  
**MAP** MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: A.A. REVISED: 07-10-07





**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

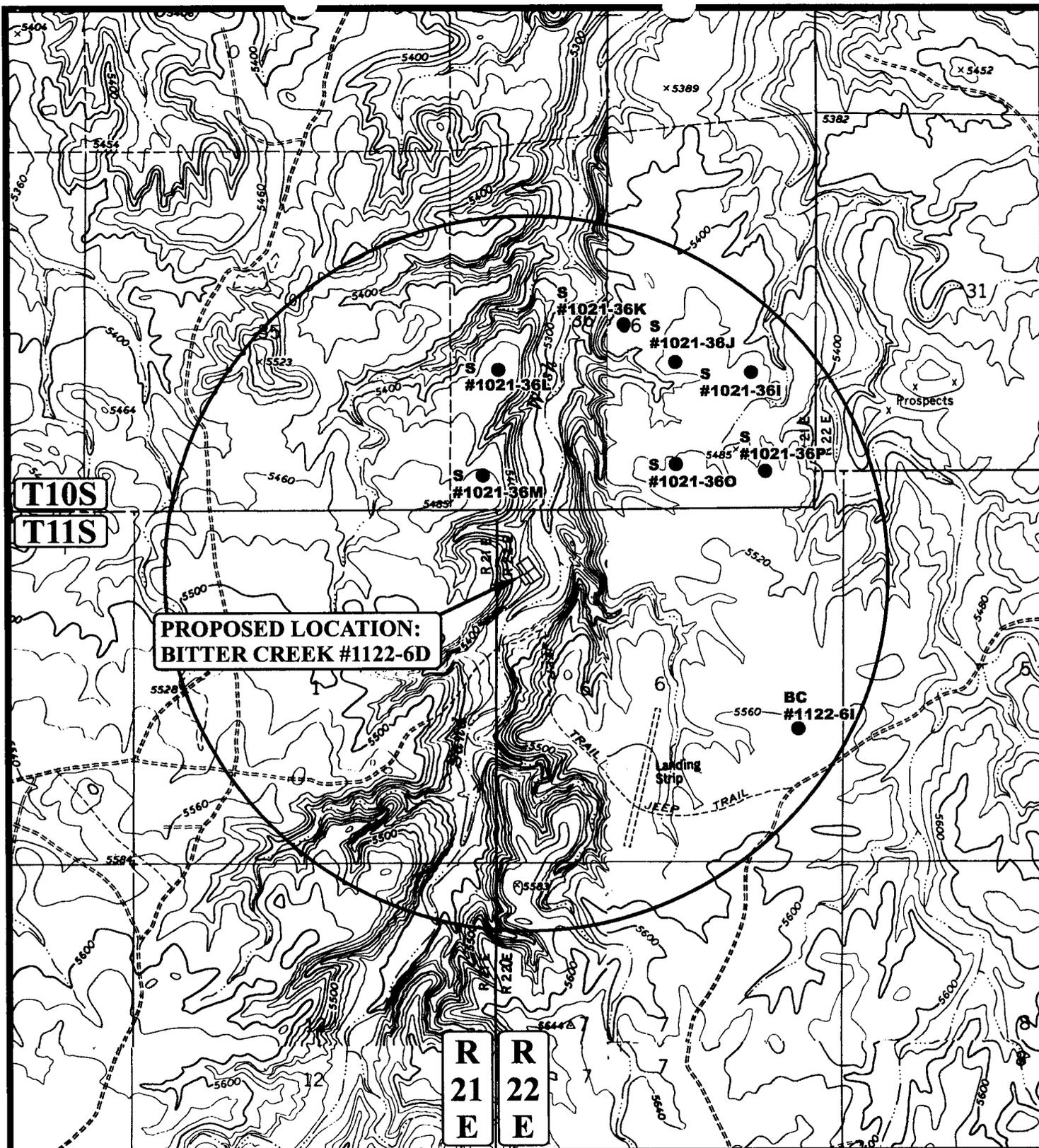


**Kerr-McGee Oil & Gas Onshore LP**

**BITTER CREEK #1122-6D**  
**SECTION 6, T11S, R22E, S.L.B.&M.**  
**913' FNL 462' FWL**

**UELS** **Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

|                   |                |                   |                  |     |      |
|-------------------|----------------|-------------------|------------------|-----|------|
| TOPOGRAPHIC       |                |                   | 06               | 29  | 07   |
| MAP               |                |                   | MONTH            | DAY | YEAR |
| SCALE: 1" = 2000' | DRAWN BY: A.A. | REVISED: 07-10-07 | <b>B</b><br>TOPO |     |      |



**PROPOSED LOCATION:  
BITTER CREEK #1122-6D**

**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⦿ SHUT IN WELLS
- ♂ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N



**Kerr-McGee Oil & Gas Onshore LP**

**BITTER CREEK #1122-6D**  
**SECTION 6, T11S, R22E, S.L.B.&M.**  
**913' FNL 462' FWL**

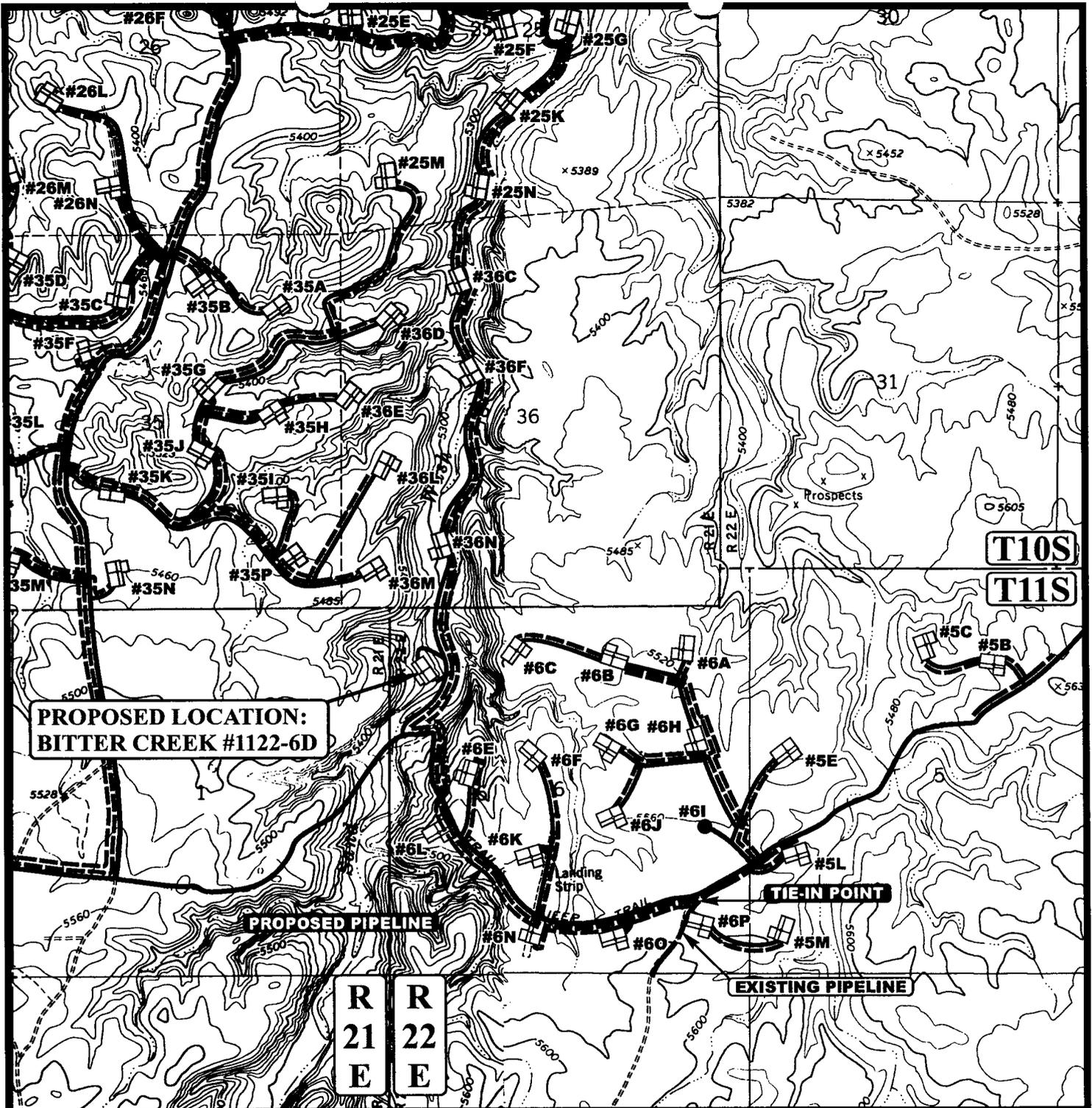


**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 06 29 07  
**MAP** MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: A.A. REVISED: 07-10-07





**PROPOSED LOCATION:  
BITTER CREEK #1122-6D**

**PROPOSED PIPELINE**

**TIE-IN POINT**

**EXISTING PIPELINE**

**R 21  
R 22  
E E**

**APPROXIMATE TOTAL 6" PIPELINE DISTANCE = 6,750' +/-**

**APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 7,050' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



**Kerr-McGee Oil & Gas Onshore LP**

**BITTER CREEK #1122-6D  
SECTION 6, T11S, R22E, S.L.B.&M.  
913' FNL 462' FWL**



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP**  
06 29 07  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: A.A. REVISED: 10-10-07.C.P.



**Kerr-McGee Oil & Gas Onshore LP**  
**BITTER CREEK #1122-6D**  
 PIPELINE ALIGNMENT  
 LOCATED IN UTAH COUNTY, UTAH  
 SECTION 6, T11S, R22E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY

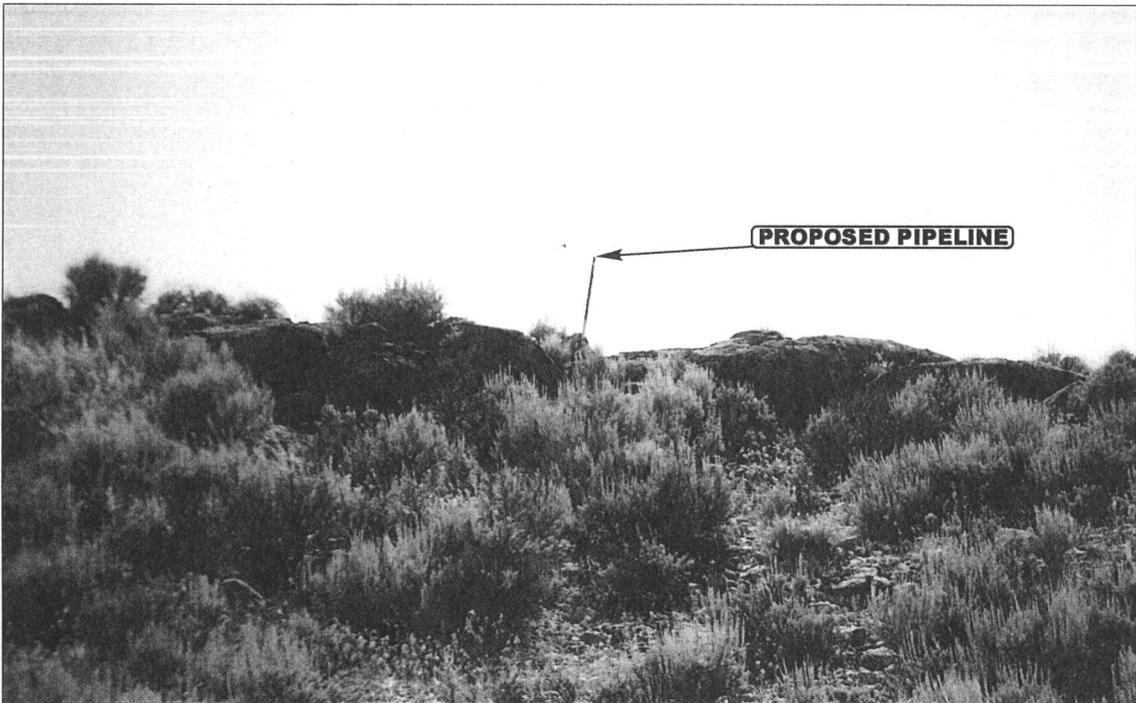


PHOTO: VIEW OF PIPELINE ALLIGNMENT

CAMERA ANGLE: WESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 435-789-1017 uels@uelsinc.com

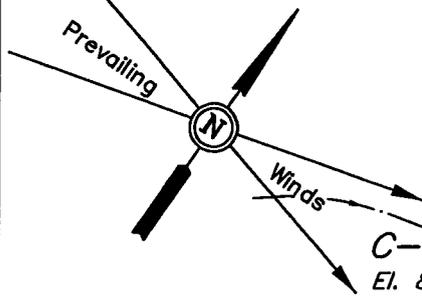
|                 |                |                   |      |       |
|-----------------|----------------|-------------------|------|-------|
| PIPELINE PHOTOS | 06             | 29                | 07   | PHOTO |
|                 | MONTH          | DAY               | YEAR |       |
| TAKEN BY: J.M.  | DRAWN BY: A.A. | REVISED: 07-10-07 |      |       |

# Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR  
BITTER CREEK #1122-6D  
SECTION 6, T11S, R22E, S.L.B.&M.  
913' FNL 462' FWL

Proposed Access Road

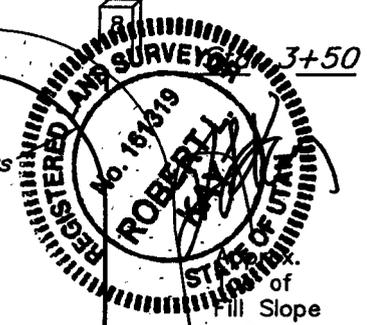
Existing Drainage



C-10.3'  
El. 87.6'

F-9.9'  
El. 67.4'

SCALE: 1" = 50'  
DATE: 07-03-07  
Drawn By: C.H.

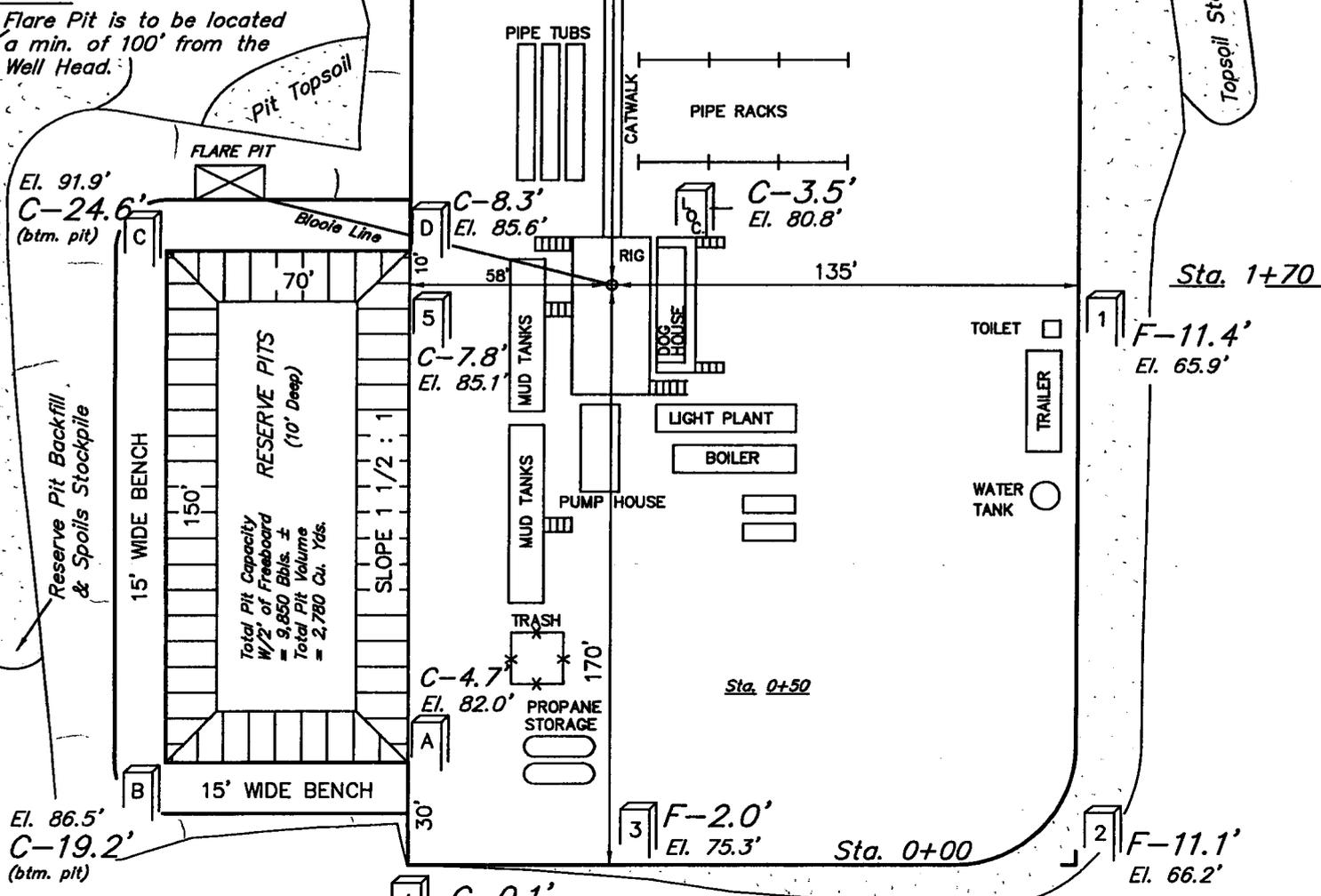


Round Corners  
as Needed

Approx.  
Top of  
Cut Slope

**NOTE:**

Flare Pit is to be located  
a min. of 100' from the  
Well Head.



**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 5380.8'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5377.3'

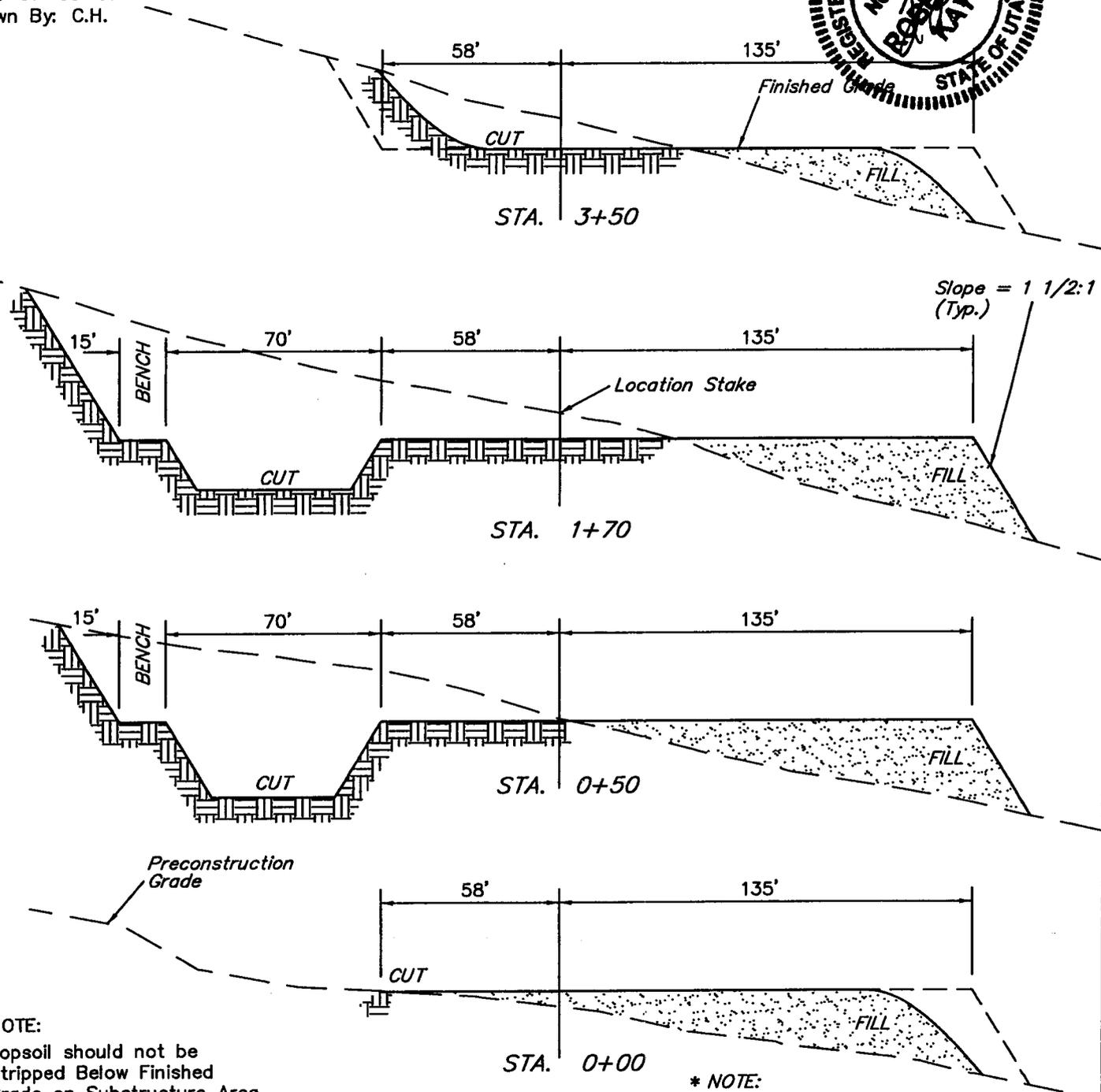
**FIGURE #1**

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR  
BITTER CREEK #1122-6D  
SECTION 6, T11S, R22E, S.L.B.&M.  
913' FNL 462' FWL

1" = 20'  
X-Section Scale  
1" = 50'  
DATE: 07-03-07  
Drawn By: C.H.



NOTE:  
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

|                        |                         |
|------------------------|-------------------------|
| CUT                    |                         |
| (6") Topsoil Stripping | = 1,980 Cu. Yds.        |
| Remaining Location     | = 13,590 Cu. Yds.       |
| <b>TOTAL CUT</b>       | <b>= 15,570 CU.YDS.</b> |
| <b>FILL</b>            | <b>= 12,200 CU.YDS.</b> |

|  |                  |
|--|------------------|
| EXCESS MATERIAL                                    | = 3,370 Cu. Yds. |
| Topsoil & Pit Backfill<br>(1/2 Pit Vol.)           | = 3,370 Cu. Yds. |
| EXCESS UNBALANCE<br>(After Interim Rehabilitation) | = 0 Cu. Yds.     |

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/02/2007

API NO. ASSIGNED: 43-047-39761

WELL NAME: BITTER CREEK 1122-6D  
 OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )  
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

WNW 06 110S 220E  
 SURFACE: 0913 FNL 0462 FWL  
 BOTTOM: 0913 FNL 0462 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.89433 LONGITUDE: -109.5042  
 UTM SURF EASTINGS: 627885 NORTHINGS: 4416890  
 FIELD NAME: BITTER CREEK ( 547 )

| INSPECT LOCATN BY: / / |          |      |
|------------------------|----------|------|
| Tech Review            | Initials | Date |
| Engineering            |          |      |
| Geology                |          |      |
| Surface                |          |      |

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-25880  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

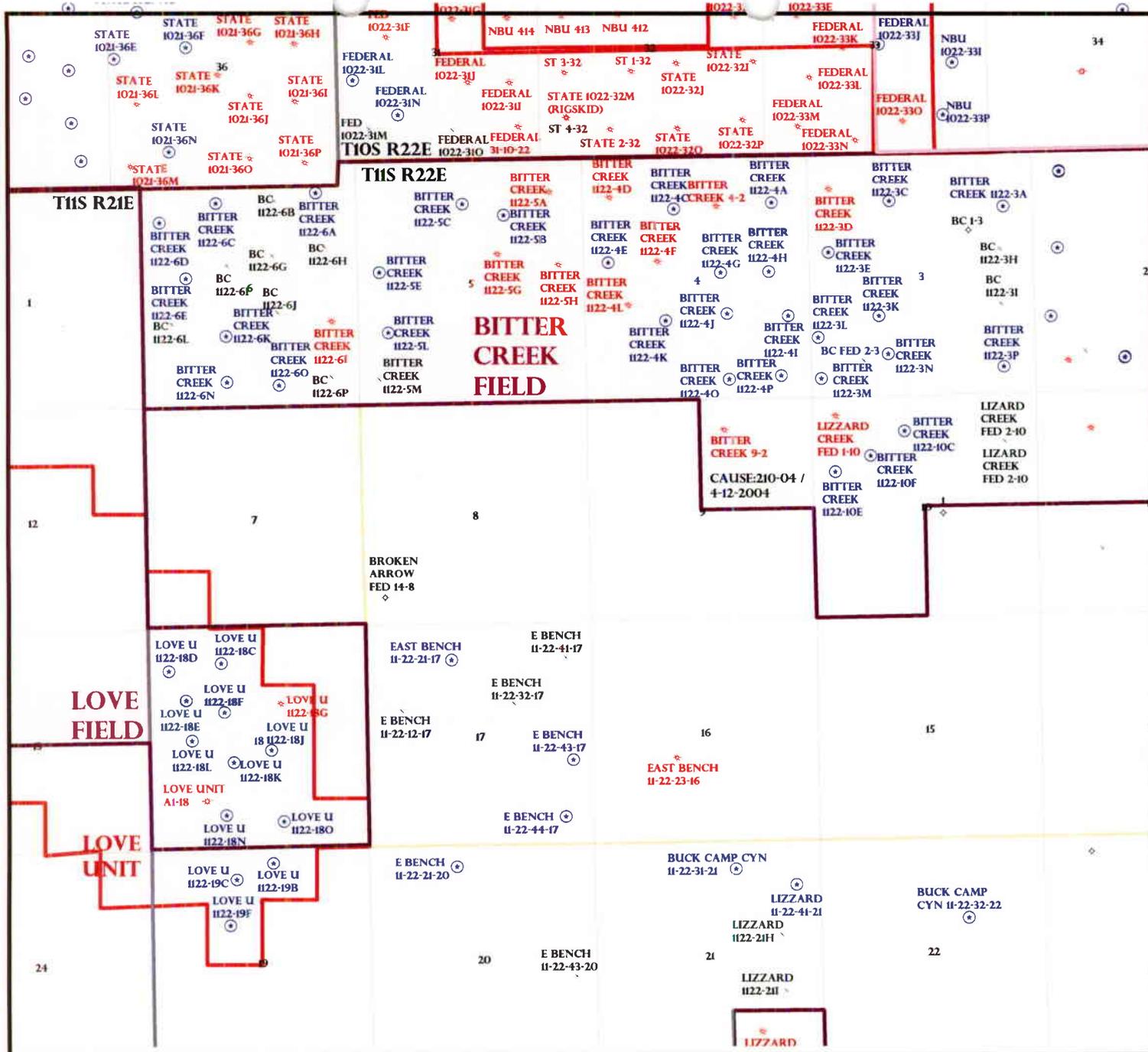
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000291 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 210-04  
Eff Date: 4-12-04  
Siting: 460' from center of well to 920' from other wells
- R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1. Lease Approval



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 3,4,6,10 T.11S R. 22E

FIELD: BITTER CREEK (547)

COUNTY: UINTAH

CAUSE:210-04 / 4-12-2004

| Field Status |            |
|--------------|------------|
|              | ABANDONED  |
|              | ACTIVE     |
|              | COMBINED   |
|              | INACTIVE   |
|              | PROPOSED   |
|              | STORAGE    |
|              | TERMINATED |

| Unit Status |              |
|-------------|--------------|
|             | EXPLORATORY  |
|             | GAS STORAGE  |
|             | NF PP OIL    |
|             | NF SECONDARY |
|             | PENDING      |
|             | PI OIL       |
|             | PP GAS       |
|             | PP GEOTHERML |
|             | PP OIL       |
|             | SECONDARY    |
|             | TERMINATED   |

| Wells Status |                     |
|--------------|---------------------|
|              | GAS INJECTION       |
|              | GAS STORAGE         |
|              | LOCATION ABANDONED  |
|              | NEW LOCATION        |
|              | PLUGGED & ABANDONED |
|              | PRODUCING GAS       |
|              | PRODUCING OIL       |
|              | SHUT-IN GAS         |
|              | SHUT-IN OIL         |
|              | TEMP. ABANDONED     |
|              | TEST WELL           |
|              | WATER INJECTION     |
|              | WATER SUPPLY        |
|              | WATER DISPOSAL      |
|              | DRILLING            |



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 07-NOVEMBER-2007



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

November 7, 2007

Kerr McGee Oil & Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

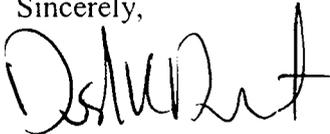
Re: Bitter Creek 1122-6D Well, 913' FNL, 462' FWL, NW NW, Sec. 6, T. 11 South,  
R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39761.

Sincerely,

  
(for) Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



**Operator:** Kerr McGee Oil & Gas Onshore LP

**Well Name & Number** Bitter Creek 1122-6D

**API Number:** 43-047-39761

**Lease:** UTU-25880

**Location:** NW NW                      **Sec.** 6                      **T.** 11 South                      **R.** 22 East

### **Conditions of Approval**

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281    (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

RECEIVED  
VERNAL FIELD OFFICE

2007 OCT 31 PM 3:11

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
**UTU-25880**

6. If Indian, Allottee or Tribe Name

1a. Type of Work:  DRILL  REENTER

7. If Unit or CA Agreement, Name and No.

b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

8. Lease Name and Well No.  
**BITTER CREEK 1122-6D**

2. Name of Operator  
**KERR MCGEE OIL & GAS ONSHORE LP**

9. API Well No.  
**43-047-39761**

3A. Address  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

10. Field and Pool, or Exploratory  
**UNDESIGNATED**

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface **NW/NW 913'FNL, 462'FWL (LOT 4)**  
At proposed prod. Zone

11. Sec., T., R., M., or Blk. and Survey or Area  
**SEC. 6, T11S, R22E**

14. Distance in miles and direction from nearest town or post office\*  
**38.95 +/- MILES SOUTHEAST OF OURAY, UTAH**

12. County or Parish **UINTAH** 13. State **UTAH**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
**462'**

16. No. of Acres in lease  
**614.64**

17. Spacing Unit dedicated to this well  
**40.00**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
**REFER TO TOPO C**

19. Proposed Depth  
**8510'**

20. BLM/BIA Bond No. on file  
**BOND NO. WYB000291**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**5381'GL**

22. Approximate date work will start\*

23. Estimated duration

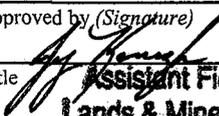
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized office.

25. Signature:  Name (Printed/Typed) **SHEILA UPCHEGO** Date **10/30/2007**  
Title **SENIOR LAND ADMIN SPECIALIST**

Approved by (Signature):  Name (Printed/Typed) **TERRY KENZLER** Date **7-2-2008**  
Title **Assistant Field Manager** Office **VERNAL FIELD OFFICE**  
**Lands & Mineral Resources**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

**UDOGM**

NDS: 07/17/2007  
07 PP2435A

RECEIVED  
JUL 16 2008  
DIV. OF OIL, GAS & MINING

**NOTICE OF APPROVAL**



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Kerr-McGee Oil & Gas Onshore, LP  
**Well No:** Bitter Creek 1122-6D  
**API No:** 43-047-39761

**Location:** NWNW Lot 4, Sec 6 T11S, R22E  
**Lease No:** UTU-25880  
**Agreement:** N/A

| <b>Title</b>                      | <b>Name</b>     | <b>Office Phone Number</b> | <b>Cell Phone Number</b> |
|-----------------------------------|-----------------|----------------------------|--------------------------|
| Petroleum Engineer:               | Matt Baker      | (435) 781-4490             | (435) 828-4470           |
| Petroleum Engineer:               | Michael Lee     | (435) 781-4432             | (435) 828-7875           |
| Petroleum Engineer:               | James Ashley    | (435) 781-4470             | (435) 828-7874           |
| Petroleum Engineer:               | Ryan Angus      | (435) 781-4430             | (435) 828-7368           |
| Supervisory Petroleum Technician: | Jamie Sparger   | (435) 781-4502             | (435) 828-3913           |
| Supervisory NRS:                  | Karl Wright     | (435) 781-4484             | (435) 828-7381           |
| NRS/Enviro Scientist:             | Holly Villa     | (435) 781-4404             | (435) 828-3544           |
| NRS/Enviro Scientist:             | James Hereford  | (435) 781-3412             |                          |
| NRS/Enviro Scientist:             | Chuck Macdonald | (435) 781-4441             | (435) 828-7481           |
| NRS/Enviro Scientist:             | Dan Emmett      | (435) 781-3414             |                          |
| NRS/Enviro Scientist:             | Paul Percival   | (435) 781-4493             |                          |
| NRS/Enviro Scientist:             | Michael Cutler  | (435) 781-3401             | (435) 828-3546           |
| NRS/Enviro Scientist:             | Anna Figueroa   | (435) 781-3407             | (435) 828-3548           |
| NRS/Enviro Scientist:             | Verlyn Pindell  | (435) 781-3402             | (435) 828-3547           |
| NRS/Enviro Scientist:             | Darren Williams | (435) 781-4447             | (435) 828-4029           |
| NRS/Enviro Scientist:             | Nathan Packer   | (435) 781-3405             | (435) 828-3545           |

**Fax: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

|   |   |  |
|---|---|--|
| Location Construction<br>(Notify Environmental Scientist)       | - | Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify Environmental Scientist)         | - | Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Petroleum Engineer)                      | - | Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Supv. Petroleum Tech.)     | - | Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Supv. Petroleum Tech.) | - | Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify Petroleum Engineer)          | - | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access roads will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- All secondary drainages shall be rerouted around the location, as needed.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 16 ml or greater liner and doubled felted prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.

- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

- The interim seed mix for this location shall be:

|                       |                      |            |
|-----------------------|----------------------|------------|
| Galleta grass         | Hilaria jamesii      | 10lbs/acre |
| Indian rice grass     | Oryzopsis hymenoides | 10lbs/acre |
| Needle & Thread grass | Stipa comata         | 10lbs/acre |

All pounds are in pure live seed.

- Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds following the operator submitted PUP plan provided the BLM before this project construction begins.
  - The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit and posted/marked topsoil. When the reserve pit is closed, it shall be contoured and the topsoil spread, and the area shall be seeded in the same manner as the location topsoil to comply with natural topography.
  - Once the location is plugged and abandoned, it shall be contoured to natural topography, topsoil shall be spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. Seeding guidelines will be provided by the BLM to the operator with prescribed seeding recommendations.
  - The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
  - The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
  - All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
  - All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
  - The habitat will be protected (no or little development) within 2 miles (3.2 km) of active leks.
    - a. All human disturbances will be minimized within sight or 0.3 mile (0.5 km) of active leks during breeding season during early morning or evening when birds are likely to be found on the leks; and
    - b. Avoid constructing above ground powerlines, or other tall structures within 2 miles of seasonal habitat.
  - Well pads will be located out of the line of sight/hearing at the leks by considering topographical or vegetative screening features as well as centralized tank batteries, use of low profile tanks, and pointing exhaust from heater-treater to the north and northeast at proposed locations.

- a. Proper placement of well locations can reduce the impact out of hearing >10 dBA above natural ambient noise.
- Construction, drilling, completion and workover activities will not be allowed within two miles of active leks from March 1 through June 15.
  - Other structures such as fences, poles, utilities, will not be constructed within the two mile buffer of active leks, unless the proposed project is reviewed by BLM and UDWR and a waiver issued for this measure on an approved design.
  - Operational activities (trucks driving to well locations, well, road, pipeline surveys, pipeline maintenance etc.) will be minimized March 1 through June 15 one hour prior to sunrise to three hours after sunrise.
  - No construction, drilling, completion activities will be allowed from May 15-June 20 to help protect pronghorn kidding in the area.
  - Golden eagle nesting a timing restriction from February 1 through July 30 will be applied to the following well locations:
    - Bitter Creek Well 1121 6K Location NESW Section 6, T 11 S R22 E.
    - Bitter Creek Well 1121 6E Location SWNW Section 6, T 11 S R22 E.
    - Bitter Creek Well 1121 6D Location NWNW Section 6, T 11 S R22 E.
  - Notify the Authorized Officer 48 hours prior to surface disturbing activities.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- A mist system is approved in lieu of deduster equipment. All other equipment for air/gas drilling shall meet specifications in Onshore Order #2, III. Requirements, E. Special Drilling Operations.
- A formation integrity test shall be performed at the surface casing shoe before drilling more than twenty feet.
- Logging program: Gamma Ray shall be run from TD to surface.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location ( $\frac{1}{4}$  Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

|  |  |  |
|--|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>   |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br><b>UTU-25880</b>    |
|  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br><b>N/A</b>            |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | 7. UNIT or CA AGREEMENT NAME:<br><b>N/A</b>                    |
|  |  | 8. WELL NAME and NUMBER:<br><b>Bitter Creek 1122-6D</b>        |
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____  |  | 9. API NUMBER:<br><b>4304739761</b>                            |
| 2. NAME OF OPERATOR:<br><b>Kerr-McGee Oil &amp; Gas Onshore, LP</b>  |  | 10. FIELD AND POOL, OR WILDCAT:<br><b>Natural Buttes Field</b> |
| 3. ADDRESS OF OPERATOR:<br>P.O. Box 173779 CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80217-3779</b>  |  | PHONE NUMBER:<br><b>(720) 929-6226</b>                         |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: <b>913' FNL &amp; 462' FWL</b>   |  | COUNTY: <b>Uintah</b>  |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 6 11S 22E</b>   |  | STATE: <b>UTAH</b>   |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |   |
|---|---|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br>_____ | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION          |
|   | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL               |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:<br>_____              | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON                    |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input type="checkbox"/> OPERATOR CHANGE                  | <input type="checkbox"/> TUBING REPAIR                          |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                          |
|   | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                         |
|   | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                         |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input checked="" type="checkbox"/> OTHER: <u>APD Extension</u> |
|   | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP, respectfully requests a one year extension for this APD in order to complete drilling operations. The Utah Division of Oil, Gas, and Mining initially approved this APD on 11/07/2007.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 11-03-08  
By: [Signature]

|   |                                   |
|---|-----------------------------------|
| NAME (PLEASE PRINT) <u>Kevin McIntyre</u> | TITLE <u>Regulatory Analyst I</u> |
| SIGNATURE <u>[Signature]</u>              | DATE <u>10/28/2008</u>            |

(This space for State use only)

COPY SENT TO OPERATOR

Date: 11.6.2008

Initials: KS

(See Instructions on Reverse Side)

(5/2000)

**RECEIVED**  
**OCT 30 2008**  
**DIV. OF OIL, GAS & MINING**



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304739761  
**Well Name:** Bitter Creek 1122-6D  
**Location:** NWNW 913' FNL & 462' FWL Sec. 6, T11S, R22E  
**Company Permit Issued to:** Kerr-McGee Oil & Gas Onshore, LP  
**Date Original Permit Issued:** 11/7/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

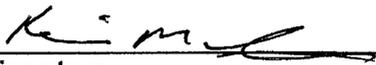
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

10/28/2008  
Date

Title: Regulatory Analyst I

Representing: Kerr-McGee Oil & Gas Onshore, LP

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**OCT 30 2008**  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU25880

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |  |  |
|--|--|--|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 8. Well Name and No.<br>BITTER CREEK 1122-6D         |
| 2. Name of Operator<br>KERR-MCGEE OIL & GAS ONSHORE  |  | 9. API Well No.<br>43-047-39761                      |
| 3a. Address<br>1368 SOUTH 1200 EAST<br>VERNAL, UT 84078  |  | 10. Field and Pool, or Exploratory<br>UNDESIGNATED   |
| 3b. Phone No. (include area code)<br>Ph: 435-781-7024  |  |  |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 6 T11S R22E NWNW 913FNL 462FWL                     |  | 11. County or Parish, and State<br>UINTAH COUNTY, UT |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                | TYPE OF ACTION                                |   |  |  |
|---|---|---|--|--|
| <input type="checkbox"/> Notice of Intent         | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                |
| <input type="checkbox"/> Subsequent Report        | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other<br>Well Spud |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |  |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |  |

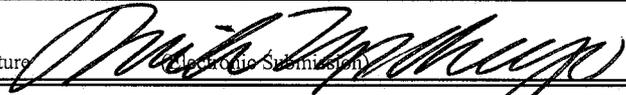
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 12/03/2008 AT 12:00 HRS.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #65280 verified by the BLM Well Information System  
For KERR-MCGEE OIL & GAS ONSHORE, sent to the Vernal**

|   |                          |
|---|--------------------------|
| Name (Printed/Typed) SHEILA UPCHEGO   | Title REGULATORY ANALYST |
| Signature  | Date 12/04/2008          |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |             |              |
|---|-------------|--------------|
| Approved By _____   | Title _____ | Date _____   |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |             | Office _____ |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**RECEIVED**  
**DEC 08 2008**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

|  |  |   |
|--|--|---|
| <b>SUBMIT IN TRIPLICATE - Other instructions on reverse side.</b>  |  | 5. Lease Serial No.<br>UTU25880                       |
|  |  | 6. If Indian, Allottee or Tribe Name                  |
|  |  | 7. If Unit or CA/Agreement, Name and/or No.           |
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | 8. Well Name and No.<br>BITTER CREEK 1122-6D                   |   |
| 2. Name of Operator<br>KERR-MCGEE OIL & GAS ONSHORE  | Contact: SHEILA UPCHEGO<br>Email: sheila.upchegeo@anadarko.com | 9. API Well No.<br>43-047-39761                       |
| 3a. Address<br>1368 SOUTH 1200 EAST<br>VERNAL, UT 84078  | 3b. Phone No. (include area code)<br>Ph: 435-781-7024          | 10. Field and Pool, or Exploratory<br>UNDESIGNATED    |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 6 T11S R22E NWNW 913FNL 462FWL                     |  | 11. County or Parish, and State<br>UINTAH, COUNTY, UT |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |  |
|---|---|---|--|--|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                          |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                          |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other<br>Drilling Operations |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |  |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |  |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

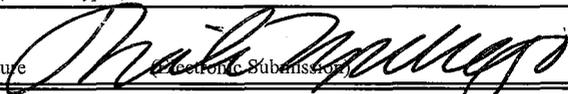
MIRU PROPETRO AIR RIG ON 12/04/2008. DRILLED 12 1/4" SURFACE HOLE TO 1835'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/160 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB 23 +/- BBL LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/35 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

**RECEIVED**

DEC 09 2008

DIV. OF OIL, GAS & MINING

|  |                  |
|--|------------------|
| 14. I hereby certify that the foregoing is true and correct.<br><b>Electronic Submission #65331 verified by the BLM Well Information System<br/>For KERR-MCGEE OIL &amp; GAS ONSHORE L, sent to the Vernal</b> |                  |
| Name (Printed/Typed) SHEILA UPCHEGO  | Title OPERATIONS |
| Signature   | Date 12/08/2008  |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |             |              |
|---|-------------|--------------|
| Approved By _____   | Title _____ | Date _____   |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |             | Office _____ |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |  |
|--|--|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | 8. Well Name and No.<br>BITTER CREEK 1122-6D         |
| 2. Name of Operator<br>KERR-MCGEE OIL & GAS ONSHORE<br>Contact: SHEILA UPCHEGO<br>Email: sheila.upchego@anadarko.com             | 9. API Well No.<br>43-047-39761                      |
| 3a. Address<br>1368 SOUTH 1200 EAST<br>VERNAL, UT 84078  | 10. Field and Pool, or Exploratory<br>UNDESIGNATED   |
| 3b. Phone No. (include area code)<br>Ph: 435-781-7024  |  |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 6 T11S R22E NWNW 913FNL 462FWL                     | 11. County or Parish, and State<br>UINTAH COUNTY, UT |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                | TYPE OF ACTION   |
|---|--|
| <input type="checkbox"/> Notice of Intent         | <input type="checkbox"/> Acidize                                 |
| <input type="checkbox"/> Subsequent Report        | <input type="checkbox"/> Deepen                                  |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Fracture Treat                          |
|   | <input type="checkbox"/> Production (Start/Resume)               |
|   | <input type="checkbox"/> Reclamation                             |
|   | <input type="checkbox"/> Recomplete                              |
|   | <input type="checkbox"/> Temporarily Abandon                     |
|   | <input type="checkbox"/> Water Shut-Off                          |
|   | <input type="checkbox"/> Well Integrity                          |
|   | <input checked="" type="checkbox"/> Other<br>Drilling Operations |
|   | <input type="checkbox"/> Change Plans                            |
|   | <input type="checkbox"/> New Construction                        |
|   | <input type="checkbox"/> Plug and Abandon                        |
|   | <input type="checkbox"/> Water Disposal                          |
|   | <input type="checkbox"/> Convert to Injection                    |
|   | <input type="checkbox"/> Plug Back                               |

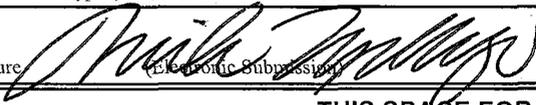
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

FINISHED DRILLING FROM 1835' TO 8610' ON 12/24/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/330 SX PREM LITE II @11.5 PPG 2.82 YIELD. TAILED CMT W/1200 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/133 BBLs CLAY TREAT BUMPED PLUG @3286 PSI 33 BBL LEAD CMT BACK TO PIT. FLOATS HELD INSTALL & TEST HANGER PACKING NIPPLE DOWN CLEAN PITS.

RELEASED PIONEER RIG 69 ON 12/23/2008 AT 2400 HRS.

**RECEIVED**  
**DEC 31 2008**  
**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #65913 verified by the BLM Well Information System  
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

|   |                  |
|---|------------------|
| Name (Printed/Typed) SHEILA UPCHEGO   | Title OPERATIONS |
| Signature  | Date 12/29/2008  |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|   |             |              |
|---|-------------|--------------|
| Approved By _____   | Title _____ | Date _____   |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |             | Office _____ |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU25880

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
BITTER CREEK 1122-6D

2. Name of Operator  
KERR-MCGEE OIL & GAS ONSHORE  
Contact: SHEILA UPCHEGO  
Email: sheila.upchegeo@anadarko.com

9. API Well No.  
43-047-39761

3a. Address  
1368 SOUTH 1200 EAST  
VERNAL, UT 84078

3b. Phone No. (include area code)  
Ph: 435-781-7024

10. Field and Pool, or Exploratory  
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 6 T11S R22E NWNW 913FNL 462FWL

11. County or Parish, and State  
UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION                                | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent         | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Subsequent Report        | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | Subsurface Commingling                    |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE SUBJECT WELL LOCATION. THIS IS A NEW WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE NEWLY WASATCH AND MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED COMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 2.24.2009

Initials: KS

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #66552 verified by the BLM Well Information System  
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (Printed/Type) SHEILA UPCHEGO Title OPERATIONS

Signature *[Handwritten Signature]* Date 01/22/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

\* Approved By *[Handwritten Signature]* Title Pet Eng. Date 2/11/09

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office DOG M Federal Approval Of This Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED  
\* Cause 210-04

**RECEIVED**

JAN 26 2009

**Name:** Bitter Creek 1122-6D  
**Location:** NW NW Sec 6 T11S R22E  
**Uintah County, UT**  
**Date:** 01/21/2009

**ELEVATIONS:** 5381 GL 5399 KB

**TOTAL DEPTH:** 8604 **PBTD:** 8560  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 1831'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 8604'  
 Marker Joint 3865-3882'

**TUBULAR PROPERTIES:**

|                                  | BURST<br>(psi) | COLLAPSE<br>(psi) | DRIFT DIA.<br>(in.) | CAPACITIES |          |
|----------------------------------|----------------|-------------------|---------------------|------------|----------|
|                                  |                |                   |                     | (bbl/ft)   | (gal/ft) |
| 2 3/8" 4.7# J-55<br>tbg          | 7,700          | 8,100             | 1.901"              | 0.00387    | 0.1624   |
| 4 1/2" 11.6# I-80<br>(See above) | 7780           | 6350              | 3.875"              | 0.0155     | 0.6528   |
| 2 3/8" by 4 1/2"<br>Annulus      |                |                   |                     | 0.0101     | 0.4227   |

**TOPS:**

785' Green River  
 1075' Birds Nest  
 1385' Mahogany  
 3912' Wasatch  
 6500' Mesaverde

Estimated T.O.C. from CBL@

**GENERAL:**

- A minimum of 37 tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 01/09/2009.
- 8 fracturing stages required for coverage.
- Procedure calls for 8 CBP's (8000 psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, Slickwater frac.
- Maximum surface pressure 6200 psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages

**PROCEDURE:**

1. MIRU. NU and test BOP. RIH 3 7/8" mill and clean out to PBTD @ ~ 8560' if possible, or to 8257' at a minimum. Circulate hole clean with recycled water. POOH. Run CBL (if needed). Pressure test BOP and casing to **6200** psi.

2. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 8166 | 8170 | 4   | 16         |
| MESAVERDE | 8178 | 8181 | 4   | 12         |
| MESAVERDE | 8224 | 8227 | 4   | 12         |

3. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8128' and trickle 250gal 15%HCL w/ scale inhibitor in flush . NOTE TIGHT SPACING

4. Set 8000 psi CBP at ~8118'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7992 | 7994 | 4   | 8          |
| MESAVERDE | 8025 | 8030 | 4   | 20         |
| MESAVERDE | 8085 | 8088 | 4   | 12         |

5. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7942' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

6. Set 8000 psi CBP at ~7890'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7850 | 7860 | 4   | 40         |

7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7800' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

8. Set 8000 psi CBP at ~7684'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7620 | 7624 | 3   | 12         |
| MESAVERDE | 7646 | 7654 | 4   | 32         |

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7570' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

10. Set 8000 psi CBP at ~7316'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7185 | 7188 | 4   | 12         |
| MESAVERDE | 7279 | 7286 | 4   | 28         |

11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7085' and trickle 250gal 15%HCL w/ scale inhibitor in flush

12. Set 8000 psi CBP at ~6950'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 6864 | 6870 | 4   | 24         |
| MESAVERDE | 6916 | 6920 | 4   | 16         |

13. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6814' and trickle 250gal 15%HCL w/ scale inhibitor in flush.  
NOTE RATE IS 40 BPM

14. Set 8000 psi CBP at ~6288'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

| Zone    | From | To   | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 6218 | 6222 | 4   | 16         |
| WASATCH | 6252 | 6258 | 4   | 24         |

15. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~6168' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

16. Set 8000 psi CBP at ~5768'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

| Zone    | From | To   | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5538 | 5542 | 4   | 16         |
| WASATCH | 5732 | 5738 | 4   | 24         |

17. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 8 on attached listing. Under-displace to ~5488' and flush only with recycled water.

18. Set 8000 psi CBP at ~5488'.

19. TIH with 3 7/8" bit, pump off sub, SN and tubing.

20. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ±7962' unless indicated otherwise by the well's behavior.

21. RDMO

**For design questions, please call**

**Curtis Caille, Denver, CO**

**(406)-490-2742 (Cell)**

**(720)-929-6194 (Office)**

**For field implementation questions, please call**

**Robert Miller, Vernal, UT**

**4350781 7041 (Office)**





Fracturing Schedule  
Bitter Creek 1122-00  
Shutwater Flow

| Well      | Zone | Foot<br>of Prod. | Depth<br>Top to<br>Base of<br>Zone | SPC<br>100m | Rate<br>SPM | Field<br>Type       | Initial<br>Flow<br>Rate | Final<br>Flow<br>Rate | Volume<br>m3 | Cum Vol<br>m3 | Volume<br>BBL | Cum Vol<br>BBL | Prod<br>Rate<br>m3/d | Prod<br>Rate<br>BBL/d | Sand<br>% of Prod | Sand<br>lbs | Cum. Sand<br>lbs | Footwall<br>Risk | Scale<br>Index |
|-----------|------|------------------|------------------------------------|-------------|-------------|---------------------|-------------------------|-----------------------|--------------|---------------|---------------|----------------|----------------------|-----------------------|-------------------|-------------|------------------|------------------|----------------|
|           |      |                  |                                    |             |             |                     |                         |                       |              |               |               |                |                      |                       |                   |             |                  |                  |                |
| MESAVERDE | 7    | 8106             | 8170                               | 4           | 18          | Vertical            | Plura-95 Prod           | 0                     | 0            | 0             | 0             | 0              | 0                    | 0                     | 0                 | 0           | 0                | 0                | 0              |
| MESAVERDE | 8    | 8176             | 8181                               | 4           | 12          | Vertical            | ISIP and 5 min ISIP     | 0                     | 0            | 0             | 0             | 0              | 0                    | 0                     | 0                 | 0           | 0                | 0                | 0              |
| MESAVERDE | 9    | 8204             | 8229                               | 4           | 12          | Vertical            | ISIP and 5 min ISIP     | 0                     | 0            | 0             | 0             | 0              | 0                    | 0                     | 0                 | 0           | 0                | 0                | 0              |
| MESAVERDE | 6    | No Prods         |                                    |             | 50          | Shutwater Prod      | 0.25                    | 1                     | 14,167       | 14,167        | 337           | 337            | 10.0%                | 0.0%                  | 0                 | 16,724      | 16,724           | 0                | 23             |
| MESAVERDE | 4    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 40,978        | 637           | 674            | 28.2%                | 10.7%                 | 33,449            | 50,173      | 50,173           | 0                | 40             |
| MESAVERDE | 3    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 61,737        | 637           | 1,311          | 28.2%                | 10.7%                 | 33,449            | 83,622      | 83,622           | 0                | 40             |
| MESAVERDE | 2    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 82,496        | 637           | 1,948          | 28.2%                | 10.7%                 | 33,449            | 117,071     | 117,071          | 0                | 40             |
| MESAVERDE | 1    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 103,255       | 637           | 2,585          | 28.2%                | 10.7%                 | 33,449            | 150,520     | 150,520          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 124,014       | 637           | 3,222          | 28.2%                | 10.7%                 | 33,449            | 183,969     | 183,969          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 144,773       | 637           | 3,859          | 28.2%                | 10.7%                 | 33,449            | 217,418     | 217,418          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 165,532       | 637           | 4,496          | 28.2%                | 10.7%                 | 33,449            | 250,867     | 250,867          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 186,291       | 637           | 5,133          | 28.2%                | 10.7%                 | 33,449            | 284,316     | 284,316          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 207,050       | 637           | 5,770          | 28.2%                | 10.7%                 | 33,449            | 317,765     | 317,765          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 227,809       | 637           | 6,407          | 28.2%                | 10.7%                 | 33,449            | 351,214     | 351,214          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 248,568       | 637           | 7,044          | 28.2%                | 10.7%                 | 33,449            | 384,663     | 384,663          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 269,327       | 637           | 7,681          | 28.2%                | 10.7%                 | 33,449            | 418,112     | 418,112          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 290,086       | 637           | 8,318          | 28.2%                | 10.7%                 | 33,449            | 451,561     | 451,561          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 310,845       | 637           | 8,955          | 28.2%                | 10.7%                 | 33,449            | 485,010     | 485,010          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 331,604       | 637           | 9,592          | 28.2%                | 10.7%                 | 33,449            | 518,459     | 518,459          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 352,363       | 637           | 10,229         | 28.2%                | 10.7%                 | 33,449            | 551,908     | 551,908          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 373,122       | 637           | 10,866         | 28.2%                | 10.7%                 | 33,449            | 585,357     | 585,357          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 393,881       | 637           | 11,503         | 28.2%                | 10.7%                 | 33,449            | 618,806     | 618,806          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 414,640       | 637           | 12,140         | 28.2%                | 10.7%                 | 33,449            | 652,255     | 652,255          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 435,399       | 637           | 12,777         | 28.2%                | 10.7%                 | 33,449            | 685,704     | 685,704          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 456,158       | 637           | 13,414         | 28.2%                | 10.7%                 | 33,449            | 719,153     | 719,153          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 476,917       | 637           | 14,051         | 28.2%                | 10.7%                 | 33,449            | 752,602     | 752,602          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 497,676       | 637           | 14,688         | 28.2%                | 10.7%                 | 33,449            | 786,051     | 786,051          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 518,435       | 637           | 15,325         | 28.2%                | 10.7%                 | 33,449            | 819,500     | 819,500          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 539,194       | 637           | 15,962         | 28.2%                | 10.7%                 | 33,449            | 852,949     | 852,949          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 559,953       | 637           | 16,599         | 28.2%                | 10.7%                 | 33,449            | 886,398     | 886,398          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 580,712       | 637           | 17,236         | 28.2%                | 10.7%                 | 33,449            | 919,847     | 919,847          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 601,471       | 637           | 17,873         | 28.2%                | 10.7%                 | 33,449            | 953,296     | 953,296          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 622,230       | 637           | 18,510         | 28.2%                | 10.7%                 | 33,449            | 986,745     | 986,745          | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 642,989       | 637           | 19,147         | 28.2%                | 10.7%                 | 33,449            | 1,020,194   | 1,020,194        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 663,748       | 637           | 19,784         | 28.2%                | 10.7%                 | 33,449            | 1,053,643   | 1,053,643        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 684,507       | 637           | 20,421         | 28.2%                | 10.7%                 | 33,449            | 1,087,092   | 1,087,092        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 705,266       | 637           | 21,058         | 28.2%                | 10.7%                 | 33,449            | 1,120,541   | 1,120,541        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 726,025       | 637           | 21,695         | 28.2%                | 10.7%                 | 33,449            | 1,153,990   | 1,153,990        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 746,784       | 637           | 22,332         | 28.2%                | 10.7%                 | 33,449            | 1,187,439   | 1,187,439        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 767,543       | 637           | 22,969         | 28.2%                | 10.7%                 | 33,449            | 1,220,888   | 1,220,888        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 788,302       | 637           | 23,606         | 28.2%                | 10.7%                 | 33,449            | 1,254,337   | 1,254,337        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 809,061       | 637           | 24,243         | 28.2%                | 10.7%                 | 33,449            | 1,287,786   | 1,287,786        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 829,820       | 637           | 24,880         | 28.2%                | 10.7%                 | 33,449            | 1,321,235   | 1,321,235        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 850,579       | 637           | 25,517         | 28.2%                | 10.7%                 | 33,449            | 1,354,684   | 1,354,684        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 871,338       | 637           | 26,154         | 28.2%                | 10.7%                 | 33,449            | 1,388,133   | 1,388,133        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 892,097       | 637           | 26,791         | 28.2%                | 10.7%                 | 33,449            | 1,421,582   | 1,421,582        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 912,856       | 637           | 27,428         | 28.2%                | 10.7%                 | 33,449            | 1,455,031   | 1,455,031        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 933,615       | 637           | 28,065         | 28.2%                | 10.7%                 | 33,449            | 1,488,480   | 1,488,480        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 954,374       | 637           | 28,702         | 28.2%                | 10.7%                 | 33,449            | 1,521,929   | 1,521,929        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 975,133       | 637           | 29,339         | 28.2%                | 10.7%                 | 33,449            | 1,555,378   | 1,555,378        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 995,892       | 637           | 29,976         | 28.2%                | 10.7%                 | 33,449            | 1,588,827   | 1,588,827        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,016,651     | 637           | 30,613         | 28.2%                | 10.7%                 | 33,449            | 1,622,276   | 1,622,276        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,037,410     | 637           | 31,250         | 28.2%                | 10.7%                 | 33,449            | 1,655,725   | 1,655,725        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,058,169     | 637           | 31,887         | 28.2%                | 10.7%                 | 33,449            | 1,689,174   | 1,689,174        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,078,928     | 637           | 32,524         | 28.2%                | 10.7%                 | 33,449            | 1,722,623   | 1,722,623        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,099,687     | 637           | 33,161         | 28.2%                | 10.7%                 | 33,449            | 1,756,072   | 1,756,072        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,120,446     | 637           | 33,798         | 28.2%                | 10.7%                 | 33,449            | 1,789,521   | 1,789,521        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,141,205     | 637           | 34,435         | 28.2%                | 10.7%                 | 33,449            | 1,822,970   | 1,822,970        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,161,964     | 637           | 35,072         | 28.2%                | 10.7%                 | 33,449            | 1,856,419   | 1,856,419        | 0                | 40             |
| MESAVERDE | 0    | No Prods         |                                    |             | 50          | ISIP and 5 min ISIP | 0                       | 0                     | 20,759       | 1,182,723     | 637           | 35,709         | 28.2%                | 10.7%                 | 33,449            | 1,889,868   | 1,889,868        | 0                | 40             |
| MESAVERDE | 0    | No Prods         | </                                 |             |             |                     |                         |                       |              |               |               |                |                      |                       |                   |             |                  |                  |                |



Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
DENVER, CO 80217-3779

January 22, 2009

BLM  
AMF Lands and Minerals  
170 South 500 East  
Vernal, UT 84078

Attn: Jerry Kenzcka

Re: Notice of Commingling  
Bitter Creek 1122-6D  
Section 6: SWNW  
T11S-R22E  
Uintah County, Utah

Dear Jerry:

Pursuant to DOGM Rule 649-3-22 "Completion into Two or More Pool," please find enclosed a copy of the sundry to be submitted to DOGM for approval.

Unless you have objection to the commingling plan, no action is required on your part. If you do wish to object to the commingling plan, comments should be directed to:

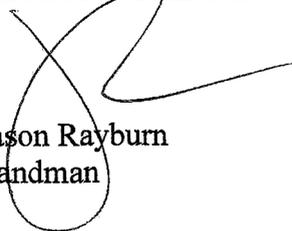
DOGM  
Attn: Dustin Doucet  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Objections will be accepted up to 15 days after Kerr-McGee's application is filed with the Division (R649-3-22.3.1).

Should you have any questions or concerns, please contact the undersigned at 720-929-6262.

Sincerely,

**KERR-McGEE OIL & GAS ONSHORE LP**



Jason Rayburn  
Landman

enclosures



Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
DENVER, CO 80217-3779

January 22, 2009

Mr. Dustin Doucet  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Bitter Creek 1122-6D  
NWNW Sec. 6, T11S-R22E  
API Well No. 4304739761  
Uintah County, Utah

Dear Dustin,

In accordance with R649-3-22, "Completion Into Two or More Pools", please be advised that there are no contiguous owners in oil and gas leases or in drilling units overlying the pool we intend to commingle to notify. As evidenced by the enclosed plat, Kerr-McGee Oil & Gas Onshore LP is the sole working interest owner in all contiguous leasehold for targeted formations.

Please let me know if anything further is required in order to approve the sundry previously submitted to you regarding the recompletion of the Bitter Creek 1122-6D. I have enclosed a copy of the sundry notice.

Thank you for your attention to our request.

Sincerely,  
**KERR-McGEE OIL & GAS ONSHORE LP**

Jason Rayburn  
Landman

enclosures

**RECEIVED**

**JAN 26 2009**

**DIV. OF OIL, GAS & MINING**

STATE OF UTAH )

) ss

COUNTY OF UINTAH )

AFFIDAVIT

Jason Rayburn, of lawful age, and being first duly sworn upon oath, deposes and says:

He is a Landman of Kerr-McGee Oil & Gas Onshore LP, of Denver, Colorado. Kerr-McGee Oil & Gas Onshore LP is the operator of the following described well:

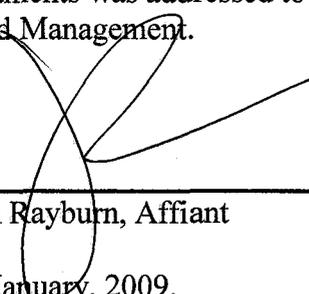
**BITTER CREEK 1122-6D  
913' FNL, 462' FWL  
SECTION 6, T11S- R22E  
UINTAH COUNTY, UTAH**

Kerr-McGee Oil & Gas Onshore LP is the only working interest owner in the well and/or of all the contiguous oil and gas leases or drilling units overlying the pool.

On the 20th day of January, 2009, he placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling into two or more pools (formations) in one wellbore for the subject well.

Said envelope which contained these instruments was addressed to the Utah Division of Oil, Gas & Mining and Bureau of Land Management.

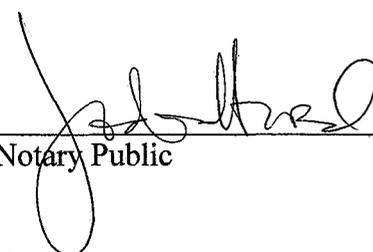
Further affiant saith not.

  
\_\_\_\_\_  
Jason Rayburn, Affiant

Subscribed and sworn before me this 20th day of January, 2009.

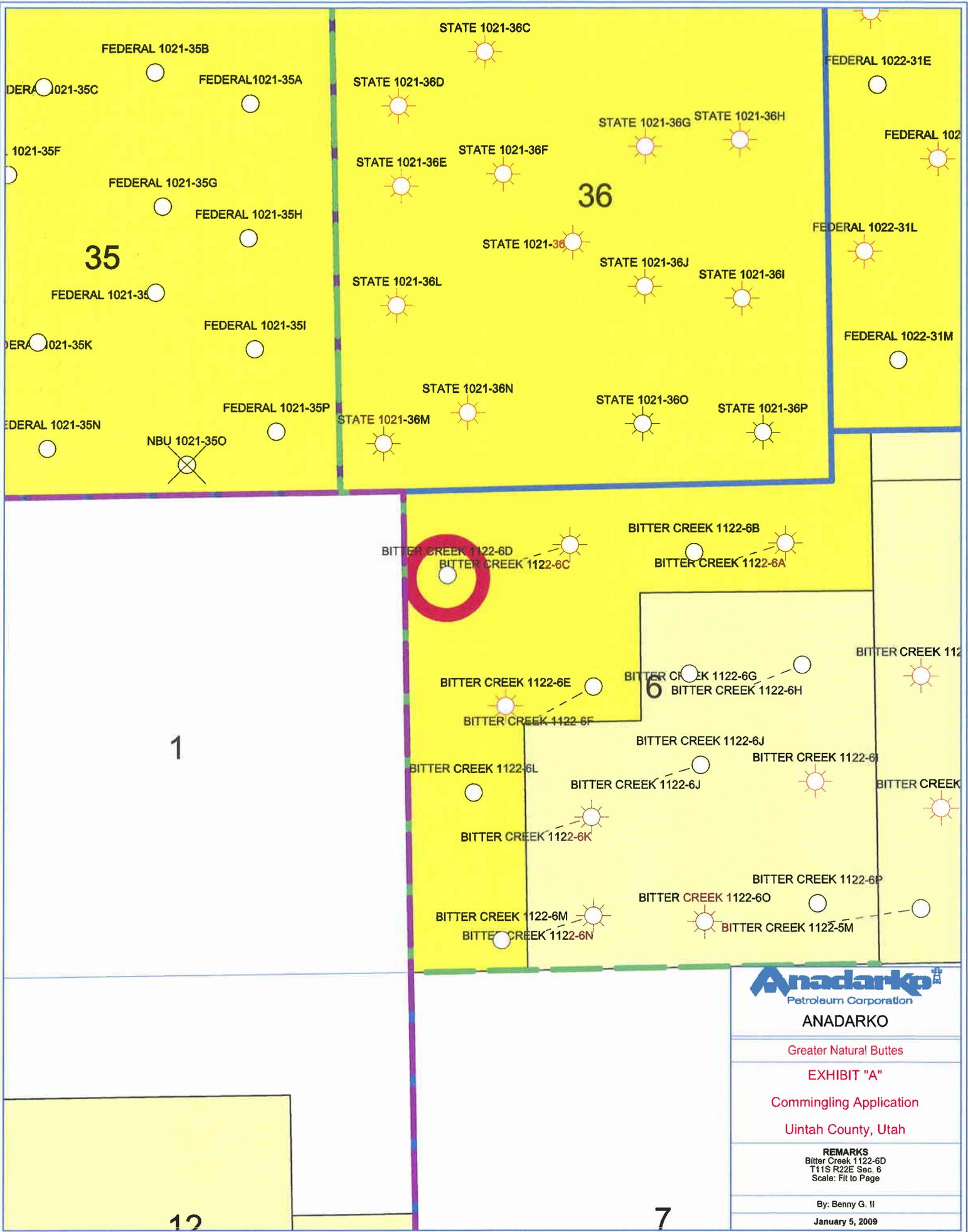


My Commission Expires Aug. 16, 2009

  
\_\_\_\_\_  
Notary Public

My Commission Expires:

Aug. 16, 2009



**ANADARKO**

Greater Natural Buttes

**EXHIBIT "A"**

Commingleing Application

Uintah County, Utah

**REMARKS**  
 Bitter Creek 1122-6D  
 T11S R22E Sec. 6  
 Scale: Fit to Page

By: Benny G. II

January 5, 2009

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |   |
|--|---|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | 8. Well Name and No.<br>BITTER CREEK 1122-6D          |
| 2. Name of Operator<br>KERR-MCGEE OIL & GAS ONSHORE<br>Contact: SHEILA UPCHEGO<br>Email: sheila.upchego@anadarko.com             | 9. API Well No.<br>43-047-39761                       |
| 3a. Address<br>1368 SOUTH 1200 EAST<br>VERNAL, UT 84078  | 3b. Phone No. (include area code)<br>Ph: 435-781-7024 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 6 T11S R22E NWNW 913FNL 462FWL                     | 10. Field and Pool, or Exploratory<br>UNDESIGNATED    |
|  | 11. County or Parish, and State<br>UINTAH COUNTY, UT  |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                     |
|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize                   |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Deepen                    |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Fracture Treat            |
|  | <input type="checkbox"/> Production (Start/Resume) |
|  | <input type="checkbox"/> Reclamation               |
|  | <input type="checkbox"/> Water Shut-Off            |
|  | <input type="checkbox"/> Well Integrity            |
|  | <input checked="" type="checkbox"/> Other          |
|  | Subsurface Commingling                             |
|  | <input type="checkbox"/> Change Plans              |
|  | <input type="checkbox"/> New Construction          |
|  | <input type="checkbox"/> Recomplete                |
|  | <input type="checkbox"/> Plug and Abandon          |
|  | <input type="checkbox"/> Temporarily Abandon       |
|  | <input type="checkbox"/> Water Disposal            |
|  | <input type="checkbox"/> Convert to Injection      |
|  | <input type="checkbox"/> Plug Back                 |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE SUBJECT WELL LOCATION. THIS IS A NEW WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE NEWLY WASATCH AND MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED COMPLETION PROCEDURE.

**COPY SENT TO OPERATOR**

Date: 2.5.2009

Initials: KS

|  |                  |
|--|------------------|
| 14. I hereby certify that the foregoing is true and correct.<br>Electronic Submission #66552 verified by the BLM Well Information System<br>For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal |                  |
| Name (Printed/Typed) SHEILA UPCHEGO  | Title OPERATIONS |
| Signature <i>[Handwritten Signature]</i>   | Date 01/22/2009  |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|   |                        |  |
|---|------------------------|--|
| Approved By <i>[Handwritten Signature]</i>  | Title <i>Pet. Eng.</i> | Date <i>2/3/09</i>                           |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. |                        | Federal Approval Of This Action Is Necessary |
| Office <i>DOGM</i>  |                        |  |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED**

\* Case 210-04

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* JAN 26 2009

**Name:** Bitter Creek 1122-6D  
**Location:** NW NW Sec 6 T11S R22E  
**Uintah County, UT**  
**Date:** 01/21/2009

**ELEVATIONS:** 5381 GL 5399 KB

**TOTAL DEPTH:** 8604 **PBTD:** 8560  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 1831'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 8604'  
 Marker Joint **3865-3882'**

**TUBULAR PROPERTIES:**

|                                  | BURST<br>(psi) | COLLAPSE<br>(psi) | DRIFT DIA.<br>(in.) | CAPACITIES |          |
|----------------------------------|----------------|-------------------|---------------------|------------|----------|
|                                  |                |                   |                     | (bbl/ft)   | (gal/ft) |
| 2 3/8" 4.7# J-55<br>tbg          | 7,700          | 8,100             | 1.901"              | 0.00387    | 0.1624   |
| 4 1/2" 11.6# I-80<br>(See above) | 7780           | 6350              | 3.875"              | 0.0155     | 0.6528   |
| 2 3/8" by 4 1/2"<br>Annulus      |                |                   |                     | 0.0101     | 0.4227   |

**TOPS:**

785' Green River  
 1075' Birds Nest  
 1385' Mahogany  
 3912' Wasatch  
 6500' Mesaverde

**Estimated T.O.C. from CBL@**

**GENERAL:**

- A minimum of **37** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 01/09/2009
- **8** fracturing stages required for coverage.
- Procedure calls for 8 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). DO NOT OVERDISPLACE. Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages

**PROCEDURE:**

1. MIRU. NU and test BOP. RIH 3 7/8" mill and clean out to PBTD @ ~ 8560' if possible, or to 8257' at a minimum. Circulate hole clean with recycled water. POOH. Run CBL (if needed). Pressure test BOP and casing to **6200** psi.

2. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 8166 | 8170 | 4   | 16         |
| MESAVERDE | 8178 | 8181 | 4   | 12         |
| MESAVERDE | 8224 | 8227 | 4   | 12         |

3. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8128' and trickle 250gal 15%HCL w/ scale inhibitor in flush . NOTE TIGHT SPACING

4. Set 8000 psi CBP at ~8118'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7992 | 7994 | 4   | 8          |
| MESAVERDE | 8025 | 8030 | 4   | 20         |
| MESAVERDE | 8085 | 8088 | 4   | 12         |

5. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7942' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

6. Set 8000 psi CBP at ~7890'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7850 | 7860 | 4   | 40         |

7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7800'and trickle 250gal 15%HCL w/ scale inhibitor in flush.

8. Set 8000 psi CBP at ~7684'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7620 | 7624 | 3   | 12         |
| MESAVERDE | 7646 | 7654 | 4   | 32         |

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7570' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

10. Set 8000 psi CBP at ~7316'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7185 | 7188 | 4   | 12         |
| MESAVERDE | 7279 | 7286 | 4   | 28         |

11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~7085' and trickle 250gal 15%HCL w/ scale inhibitor in flush

12. Set 8000 psi CBP at ~6950'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone      | From | To   | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 6864 | 6870 | 4   | 24         |
| MESAVERDE | 6916 | 6920 | 4   | 16         |

13. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6814' and trickle 250gal 15%HCL w/ scale inhibitor in flush.  
NOTE RATE IS 40 BPM

14. Set 8000 psi CBP at ~6288'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

| Zone    | From | To   | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 6218 | 6222 | 4   | 16         |
| WASATCH | 6252 | 6258 | 4   | 24         |

15. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~6168' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

16. Set 8000 psi CBP at ~5768'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

| Zone    | From | To   | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5538 | 5542 | 4   | 16         |
| WASATCH | 5732 | 5738 | 4   | 24         |

17. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 8 on attached listing. Under-displace to ~5488' and flush only with recycled water.

18. Set 8000 psi CBP at ~5488'.

19. TIH with 3 7/8" bit, pump off sub, SN and tubing.

20. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ±7962' unless indicated otherwise by the well's behavior.

21. RDMO

**For design questions, please call**

**Curtis Caile, Denver, CO**

**(406)-490-2742 (Cell)**

**(720)-929-6194 (Office)**

**For field implementation questions, please call**

**Robert Miller, Vernal, UT**

**4350781 7041 (Office)**

Fracturing Schedules  
Bitter Creek 1122-6D  
Slickwater Frac

| Stage | Zone      | Feet of Pay | Perfs             |         | SPF | Holes | Rate BPM | Fluid Type               | Initial PPG | Final PPG | Fluid Volume gals | Cum Vol gals | Volume BBLs | Cum Vol BBLs | Fluid % of frac | Sand % of frac | Sand lbs | Cum. Sand lbs | Footage from CBP to Flush | Scale Inhib. gal. |
|-------|-----------|-------------|-------------------|---------|-----|-------|----------|--------------------------|-------------|-----------|-------------------|--------------|-------------|--------------|-----------------|----------------|----------|---------------|---------------------------|-------------------|
|       |           |             | Top, ft           | Bot, ft |     |       |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
| 1     | MESAVERDE | 7           | 8196              | 8170    | 4   | 16    | Varied   | Pump-in test             |             |           |                   | 0            | 0           | 0            |                 |                |          |               |                           |                   |
|       | MESAVERDE | 6           | 8176              | 8181    | 4   | 12    | 0        | ISIP and 5 min ISIP      |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 1           | 8224              | 8227    | 4   | 12    | 50       | Slickwater Pad           |             |           | 14,167            | 14,167       | 337         | 337          | 15.0%           | 0.0%           | 0        | 0             |                           | 53                |
|       | MESAVERDE | 9           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0.25        | 1         | 26,759            | 40,926       | 637         | 974          | 26.3%           | 16.7%          | 16,724   | 16,724        |                           | 42                |
|       | MESAVERDE | 4           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 0                 | 0,926        | 0           | 974          | 0.0%            | 0.0%           | 0        | 0             |                           | 40                |
|       | MESAVERDE | 5           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1           | 1.5       | 26,759            | 67,685       | 637         | 1,612        | 26.3%           | 33.4%          | 33,449   | 50,173        |                           | 0                 |
|       | MESAVERDE | 20          | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 6,250             | 72,935       | 125         | 1,737        | 0.0%            | 0.0%           | 0        | 50,173        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0.5         | 1.5       | 3,000             | 75,935       | 71          | 1,808        | 3.0%            | 3.0%           | 3,000    | 53,173        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1.5         | 2         | 26,759            | 99,694       | 637         | 2,374        | 26.3%           | 45.8%          | 46,829   | 100,002       |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Flush (4-1/2")           |             |           | 5,306             | 105,000      | 126         | 2,500        |                 |                |          | 100,002       |                           | 53                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          | ISDP and 5 min ISDP      |             |           |                   | 105,000      |             |              |                 |                |          |               |                           | 228               |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 51          | # of Perforations |         |     | 40    | 50.0     | << Above pump time (min) |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 2           | 7992              | 7994    | 4   | 8     | Varied   | Pump-in test             |             |           |                   | 0            | 0           | 0            |                 |                |          |               |                           |                   |
|       | MESAVERDE | 9           | 8025              | 8030    | 4   | 20    | 0        | ISIP and 5 min ISIP      |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 12          | 8005              | 8008    | 4   | 12    | 50       | Slickwater Pad           |             |           | 22,060            | 22,060       | 525         | 525          | 15.0%           | 0.0%           | 0        | 0             |                           | 66                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0.25        | 1         | 41,669            | 63,728       | 992         | 1,517        | 26.3%           | 16.9%          | 26,043   | 26,043        |                           | 63                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 0                 | 69,978       | 0           | 1,642        | 0.0%            | 0.0%           | 0        | 26,043        |                           | 6                 |
|       | MESAVERDE | 1           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1           | 1.5       | 41,669            | 110,647      | 992         | 2,634        | 26.3%           | 33.6%          | 52,086   | 78,129        |                           | 63                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 10,600            | 121,147      | 250         | 2,384        | 0.0%            | 0.0%           | 0        | 78,129        |                           | 0                 |
|       | MESAVERDE | 15          | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0.5         | 1.5       | 3,000             | 124,147      | 71          | 2,956        | 1.9%            | 1.9%           | 3,000    | 81,129        |                           | 0                 |
|       | MESAVERDE | 1           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1.5         | 2         | 41,669            | 162,815      | 992         | 3,877        | 26.3%           | 47.3%          | 72,820   | 154,048       |                           | 0                 |
|       | MESAVERDE | 5           | No Perfs          |         |     |       | 50       | Flush (4-1/2")           |             |           | 5,185             | 168,000      | 123         | 4,000        |                 |                |          | 154,048       |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          | ISDP and 5 min ISDP      |             |           |                   | 168,000      |             |              |                 |                |          |               |                           | 250               |
|       | MESAVERDE | 11          | No Perfs          |         |     |       |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 1           | No Perfs          |         |     |       |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 72          | # of Perforations |         |     | 40    |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 1           | 7850              | 7850    | 4   | 40    | 77.5     | << Above pump time (min) |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 1           | No Perfs          |         |     |       | Varied   | Pump-in test             |             |           |                   | 0            | 0           | 0            |                 |                |          |               |                           |                   |
|       | MESAVERDE | 22          | No Perfs          |         |     |       | 0        | ISIP and 5 min ISIP      |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 11          | No Perfs          |         |     |       | 50       | Slickwater Pad           | 0.25        | 1         | 5,536             | 5,536        | 132         | 132          | 15.0%           | 0.0%           | 0        | 0             |                           | 17                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 10,457            | 15,994       | 249         | 381          | 26.3%           | 17.2%          | 6,536    | 6,536         |                           | 16                |
|       | MESAVERDE | 6           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1           | 1.5       | 10,457            | 26,451       | 249         | 630          | 26.3%           | 34.5%          | 13,072   | 19,607        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 0                 | 26,451       | 0           | 630          | 0.0%            | 0.0%           | 0        | 19,607        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0.5         | 1.5       | 3,000             | 29,451       | 0           | 830          | 0.0%            | 0.0%           | 0        | 19,607        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1.5         | 2         | 10,457            | 39,908       | 249         | 870          | 26.3%           | 49.3%          | 18,300   | 37,908        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Flush (4-1/2")           |             |           | 5,092             | 42,000       | 121         | 1,000        |                 |                |          | 37,908        |                           | 50                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          | ISDP and 5 min ISDP      |             |           |                   | 42,000       |             |              |                 |                |          |               |                           | 98                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 42          | # of Perforations |         |     | 40    | 17.5     | << Above pump time (min) |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 0           | 7620              | 7624    | 3   | 12    | Varied   | Pump-in test             |             |           |                   | 0            | 0           | 0            |                 |                |          |               |                           |                   |
|       | MESAVERDE | 72          | 7546              | 7654    | 4   | 32    | 0        | ISIP and 5 min ISIP      |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Pad           |             |           | 11,071            | 11,071       | 264         | 264          | 15.0%           | 0.0%           | 0        | 0             |                           | 33                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0.25        | 1         | 20,912            | 31,984       | 498         | 762          | 26.3%           | 15.5%          | 13,070   | 13,070        |                           | 31                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 0                 | 31,984       | 0           | 762          | 0.0%            | 0.0%           | 0        | 13,070        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1           | 1.5       | 20,912            | 52,996       | 498         | 1,258        | 26.3%           | 33.2%          | 26,140   | 39,210        |                           | 31                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 0                 | 52,996       | 0           | 1,258        | 0.0%            | 0.0%           | 0        | 39,210        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0.5         | 1.5       | 3,000             | 55,146       | 125         | 1,384        | 3.8%            | 3.8%           | 3,000    | 42,210        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1.5         | 2         | 10,457            | 61,146       | 71          | 1,456        | 26.3%           | 45.4%          | 36,597   | 78,807        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Flush (4-1/2")           |             |           | 4,942             | 79,058       | 498         | 1,882        |                 |                |          | 78,807        |                           | 43                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          | ISDP and 5 min ISDP      |             |           |                   | 84,000       |             | 118          | 2,000           |                |          |               |                           | 144               |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 79          | # of Perforations |         |     | 44    | 37.8     | << Above pump time (min) |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 5           | 7185              | 7188    | 4   | 12    | Varied   | Pump-in test             |             |           |                   | 0            | 0           | 0            |                 |                |          |               |                           |                   |
|       | MESAVERDE | 12          | 7279              | 7284    | 4   | 20    | 0        | ISIP and 5 min ISIP      |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 4           | No Perfs          |         |     |       | 50       | Slickwater Pad           | 0.25        | 1         | 11,119            | 11,119       | 265         | 265          | 15.0%           | 0.0%           | 0        | 0             |                           | 33                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 21,002            | 32,121       | 500         | 765          | 26.3%           | 15.6%          | 13,126   | 13,126        |                           | 32                |
|       | MESAVERDE | 20          | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1           | 1.5       | 11,119            | 43,221       | 0           | 765          | 0.0%            | 0.0%           | 0        | 13,126        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 0                 | 43,221       | 0           | 765          | 0.0%            | 0.0%           | 0        | 13,126        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1           | 1.5       | 21,002            | 53,123       | 500         | 1,265        | 26.3%           | 33.2%          | 26,253   | 39,379        |                           | 32                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0           | 0         | 0                 | 53,123       | 0           | 1,265        | 0.0%            | 0.0%           | 0        | 39,379        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 0.5         | 1.5       | 3,000             | 56,373       | 125         | 1,380        | 3.8%            | 3.8%           | 3,000    | 42,379        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Slickwater Ramp          | 1.5         | 2         | 11,119            | 61,373       | 71          | 1,451        | 26.3%           | 45.4%          | 36,841   | 79,132        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 50       | Flush (4-1/2")           |             |           | 4,658             | 79,375       | 500         | 1,890        |                 |                |          | 79,132        |                           | 45                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          | ISDP and 5 min ISDP      |             |           |                   | 84,033       |             | 2,001        |                 |                |          |               |                           | 142               |
|       | MESAVERDE | 0           | No Perfs          |         |     |       |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 43          | # of Perforations |         |     | 40    |          |                          |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 29          | 6864              | 6870    | 4   | 24    | 37.8     | << Above pump time (min) |             |           |                   |              |             |              |                 |                |          |               |                           |                   |
|       | MESAVERDE | 13          | 6916              | 6920    | 4   | 16    | Varied   | Pump-in test             |             |           |                   | 0            | 0           | 0            |                 |                |          |               |                           |                   |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 40       | Slickwater Pad           | 0.25        | 1         | 11,145            | 11,145       | 265         | 265          | 15.0%           | 0.0%           | 0        | 0             |                           | 33                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 40       | Slickwater Ramp          | 0           | 0         | 21,052            | 32,197       | 501         | 767          | 26.3%           | 15.8%          | 13,158   | 13,158        |                           | 32                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 40       | Slickwater Ramp          | 0           | 0         | 0                 | 32,197       | 0           | 767          | 0.0%            | 0.0%           | 0        | 13,158        |                           | 0                 |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 40       | Slickwater Ramp          | 1           | 1.5       | 21,052            | 53,250       | 501         | 1,268        | 26.3%           | 33.2%          | 26,310   | 39,473        |                           | 32                |
|       | MESAVERDE | 0           | No Perfs          |         |     |       | 40       | Slickwater Ramp          | 0           | 0         | 0                 | 53,250       | 0           | 1,268        | 0.0%            |                |          |               |                           |                   |



Fracturing Schedule  
 Bitter Creek 1122-60  
 Slickwater Frac

| Stage     | Zone | Feet     |        |         |     | Rate   | Fluid               | Initial | Final | Fluid      | Volume | Cum Vol | Volume | Cum Vol | Fluid % of | Sand  | Sand   | Cum. Sand | Footage from | Scale |
|-----------|------|----------|--------|---------|-----|--------|---------------------|---------|-------|------------|--------|---------|--------|---------|------------|-------|--------|-----------|--------------|-------|
|           |      | of Div   | Top ft | Bot. ft | SPF |        |                     |         |       |            |        |         |        |         |            |       |        |           |              |       |
| MESAVERDE | 7    | 8106     | 8120   | 4       | 16  | Varied | Pump-in test        |         |       | Slickwater | 0      | 0       | 0      | 0       | 0          | 0     | 0      | 0         | 0            | 53    |
| MESAVERDE | 4    | 8178     | 8181   | 4       | 17  | Varied | ISDP and 5 min ISDP |         |       | Slickwater | 14,167 | 14,167  | 337    | 337     | 15.0%      | 0.0%  | 0      | 0         | 0            | 42    |
| MESAVERDE | 1    | 8224     | 8227   | 4       | 12  | Varied | Slickwater Frac     | 0.25    | 1     | Slickwater | 26,759 | 40,926  | 637    | 974     | 26.3%      | 0.0%  | 16,724 | 16,724    | 0            | 40    |
| MESAVERDE | 4    | No Perfs |        |         |     | Varied | Slickwater Frac     | 0       | 0     | Slickwater | 0      | 0       | 0      | 0       | 0.0%       | 0     | 0      | 0         | 0            | 40    |
| MESAVERDE | 5    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 1.5   | Slickwater | 26,759 | 67,685  | 637    | 1,312   | 28.3%      | 33.4% | 33,449 | 50,173    | 0            | 40    |
| MESAVERDE | 20   | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 0       | 0     | Slickwater | 5,336  | 73,021  | 637    | 1,949   | 0.0%       | 0     | 5,336  | 50,173    | 0            | 40    |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | Slickwater Frac     | 0.5     | 1.5   | Slickwater | 3,000  | 75,021  | 637    | 2,586   | 0.0%       | 3.0%  | 3,000  | 53,173    | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 26,759 | 101,780 | 637    | 3,223   | 28.3%      | 46.8% | 46,829 | 100,002   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 107,116 | 637    | 3,860   | 0.0%       | 0     | 5,336  | 105,338   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 112,452 | 637    | 4,497   | 0.0%       | 0     | 5,336  | 110,674   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 117,788 | 637    | 5,134   | 0.0%       | 0     | 5,336  | 116,010   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 123,124 | 637    | 5,771   | 0.0%       | 0     | 5,336  | 121,346   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 128,460 | 637    | 6,408   | 0.0%       | 0     | 5,336  | 126,682   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 133,796 | 637    | 7,045   | 0.0%       | 0     | 5,336  | 132,018   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 139,132 | 637    | 7,682   | 0.0%       | 0     | 5,336  | 137,354   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 144,468 | 637    | 8,319   | 0.0%       | 0     | 5,336  | 143,690   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 149,804 | 637    | 8,956   | 0.0%       | 0     | 5,336  | 149,026   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 155,140 | 637    | 9,593   | 0.0%       | 0     | 5,336  | 154,362   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 160,476 | 637    | 10,230  | 0.0%       | 0     | 5,336  | 160,000   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 165,812 | 637    | 10,867  | 0.0%       | 0     | 5,336  | 165,336   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 171,148 | 637    | 11,504  | 0.0%       | 0     | 5,336  | 170,672   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 176,484 | 637    | 12,141  | 0.0%       | 0     | 5,336  | 176,008   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 181,820 | 637    | 12,778  | 0.0%       | 0     | 5,336  | 181,344   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 187,156 | 637    | 13,415  | 0.0%       | 0     | 5,336  | 186,678   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 192,492 | 637    | 14,052  | 0.0%       | 0     | 5,336  | 192,012   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 197,828 | 637    | 14,689  | 0.0%       | 0     | 5,336  | 197,346   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 203,164 | 637    | 15,326  | 0.0%       | 0     | 5,336  | 202,680   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 208,500 | 637    | 15,963  | 0.0%       | 0     | 5,336  | 208,014   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 213,836 | 637    | 16,600  | 0.0%       | 0     | 5,336  | 213,348   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 219,172 | 637    | 17,237  | 0.0%       | 0     | 5,336  | 218,682   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 224,508 | 637    | 17,874  | 0.0%       | 0     | 5,336  | 224,016   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 229,844 | 637    | 18,511  | 0.0%       | 0     | 5,336  | 229,350   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 235,180 | 637    | 19,148  | 0.0%       | 0     | 5,336  | 234,684   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 240,516 | 637    | 19,785  | 0.0%       | 0     | 5,336  | 240,018   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 245,852 | 637    | 20,422  | 0.0%       | 0     | 5,336  | 245,352   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 251,188 | 637    | 21,059  | 0.0%       | 0     | 5,336  | 250,686   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 256,524 | 637    | 21,696  | 0.0%       | 0     | 5,336  | 256,020   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 261,860 | 637    | 22,333  | 0.0%       | 0     | 5,336  | 261,354   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 267,196 | 637    | 22,970  | 0.0%       | 0     | 5,336  | 266,688   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 272,532 | 637    | 23,607  | 0.0%       | 0     | 5,336  | 272,022   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 277,868 | 637    | 24,244  | 0.0%       | 0     | 5,336  | 277,356   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 283,204 | 637    | 24,881  | 0.0%       | 0     | 5,336  | 282,690   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 288,540 | 637    | 25,518  | 0.0%       | 0     | 5,336  | 288,024   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 293,876 | 637    | 26,155  | 0.0%       | 0     | 5,336  | 293,358   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 299,212 | 637    | 26,792  | 0.0%       | 0     | 5,336  | 298,692   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 304,548 | 637    | 27,429  | 0.0%       | 0     | 5,336  | 304,026   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 309,884 | 637    | 28,066  | 0.0%       | 0     | 5,336  | 309,360   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 315,220 | 637    | 28,703  | 0.0%       | 0     | 5,336  | 314,694   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 320,556 | 637    | 29,340  | 0.0%       | 0     | 5,336  | 320,028   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 325,892 | 637    | 29,977  | 0.0%       | 0     | 5,336  | 325,362   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 331,228 | 637    | 30,614  | 0.0%       | 0     | 5,336  | 330,696   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 336,564 | 637    | 31,251  | 0.0%       | 0     | 5,336  | 336,030   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 341,900 | 637    | 31,888  | 0.0%       | 0     | 5,336  | 341,364   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 347,236 | 637    | 32,525  | 0.0%       | 0     | 5,336  | 346,698   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 352,572 | 637    | 33,162  | 0.0%       | 0     | 5,336  | 352,032   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 357,908 | 637    | 33,799  | 0.0%       | 0     | 5,336  | 357,366   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 363,244 | 637    | 34,436  | 0.0%       | 0     | 5,336  | 362,700   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 368,580 | 637    | 35,073  | 0.0%       | 0     | 5,336  | 368,034   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 373,916 | 637    | 35,710  | 0.0%       | 0     | 5,336  | 373,368   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 379,252 | 637    | 36,347  | 0.0%       | 0     | 5,336  | 378,702   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 384,588 | 637    | 36,984  | 0.0%       | 0     | 5,336  | 384,036   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 389,924 | 637    | 37,621  | 0.0%       | 0     | 5,336  | 389,370   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 395,260 | 637    | 38,258  | 0.0%       | 0     | 5,336  | 394,704   | 0            | 0     |
| MESAVERDE | 0    | No Perfs |        |         |     | Varied | ISDP and 5 min ISDP | 1       | 2     | Slickwater | 5,336  | 400,596 | 637    | 38,895  | 0.0%       | 0     | 5,336  | 400,038   | 0</          |       |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|  |   |  |
|--|---|--|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other |   | 5. Lease Serial No.<br>UTU25880                      |
| 2. Name of Operator<br>KERR-MCGEE OIL & GAS ONSHORE  |   | 6. If Indian, Allottee or Tribe Name                 |
| Contact: SHEILA UPCHEGO<br>Email: sheila.upchego@anadarko.com  |   | 7. If Unit or CA/Agreement, Name and/or No.          |
| 3a. Address<br>1368 SOUTH 1200 EAST<br>VERNAL, UT 84078  | 3b. Phone No. (include area code)<br>Ph: 435-781-7024 | 8. Well Name and No.<br>BITTER CREEK 1122-6D         |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 6 T11S R22E NWNW 913FNL 462FWL                     |   | 9. API Well No.<br>43-047-39761                      |
|  |   | 10. Field and Pool, or Exploratory<br>UNDESIGNATED   |
|  |   | 11. County or Parish, and State<br>UINTAH COUNTY, UT |

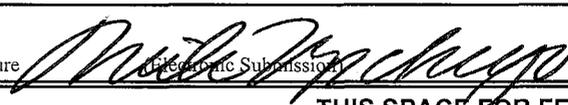
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                                     |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                                     |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other<br>Production Facility<br>Changes |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATION. THE OPERATOR HAS PLACE THE SUBJECT WELL ON PRODUCTION ON 02/05/2009 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

|  |                  |
|--|------------------|
| 14. I hereby certify that the foregoing is true and correct.<br><b>Electronic Submission #67046 verified by the BLM Well Information System<br/>For KERR-MCGEE OIL &amp; GAS ONSHORE L, sent to the Vernal</b> |                  |
| Name (Printed/Typed) SHEILA UPCHEGO  | Title OPERATIONS |
| Signature   | Date 02/06/2009  |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|   |              |
|---|--------------|
| Approved By _____   | Title _____  |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office _____ |

**RECEIVED**  
FEB 09 2009  
DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-6D Spud Conductor: 12/3/2008 Spud Date: 12/4/2008

Project: UTAH Site: UINTAH Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING Start Date: 12/4/2008 End Date: 12/23/2008

Active Datum: RKB @5,399.00ft (above Mean Sea Level) UWI: BITTER CREEK 1122-6D

| Date       | Time Start-End | Duration (hr) | Phase  | Code | Subcode2 | P/U | MD From (ft) | Operation   |
|------------|----------------|---------------|--------|------|----------|-----|--------------|---|
| 12/4/2008  | 12:00 - 0:00   | 12.00         | DRLSUR | 02   |          | P   |              | MIRU D/F 40'-930' @ 0600 HR   |
| 12/5/2008  | 0:00 - 12:00   | 12.00         | DRLSUR | 02   |          | P   |              | RIG DRILLING AHEAD NO WATER 1200'   |
|            | 12:00 - 0:00   | 12.00         | DRLSUR | 02   |          | P   |              | RIG DRILLING AHEAD NO WATER 1310'   |
| 12/6/2008  | 0:00 - 12:00   | 12.00         | DRLSUR | 02   |          | P   |              | RIG DRILLING AHEAD NO WATER 1650'   |
|            | 12:00 - 14:00  | 2.00          | DRLSUR | 02   |          | P   |              | RIG DRILL TO 1710' RIG BROKE DOWN   |
|            | 14:00 - 18:00  | 4.00          | DRLSUR | 12   | E        | Z   |              | REPAIR RIG  |
|            | 18:00 - 0:00   | 6.00          | DRLSUR | 02   |          | P   |              | RIG DRILLING AHEAD NO WATER   |
| 12/7/2008  | 0:00 - 0:30    | 0.50          | DRLSUR | 02   |          | P   |              | RIG T/D @ 1835' CONDITION HOLE 1 HR   |
|            | 0:30 - 3:30    | 3.00          | DRLSUR | 05   |          | P   |              | TRIP DP OUT OF HOLE   |
|            | 3:30 - 7:30    | 4.00          | DRLSUR | 11   |          | P   |              | RUN 1810' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG   |
|            | 7:30 - 8:30    | 1.00          | DRLSUR | 15   |          | P   |              | CEMENT 1ST STAGE WITH 160 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRU OUT JOB + - 23 BBL LEAD CMT TO PIT   |
|            | 8:30 - 9:00    | 0.50          | DRLSUR | 15   |          | P   |              | 1ST TOP JOB 125 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC  |
|            | 9:00 - 11:00   | 2.00          | DRLSUR | 15   |          | P   |              | 2ND TOP JOB 35 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE  |
|            | 11:00 - 11:00  | 0.00          | DRLSUR |      |          |     |              | NO VISIBLE LEAKS PIT 30% FULL WORT  |
| 12/11/2008 | 0:00 - 8:00    | 8.00          | DRLPRO | 01   | E        | P   |              | RDRT  |
|            | 8:00 - 18:00   | 10.00         | DRLPRO | 01   | A        | P   |              | MIRU, SET SUB,PITS, PUMPS, 8 TRUCKS - 2 - FORKLIFTS - 1 CRANE   |
|            | 18:00 - 0:00   | 6.00          | DRLPRO | 01   | B        | P   |              | R/U PITS, START ON PUMPS  |
| 12/12/2008 | 0:00 - 6:00    | 6.00          | DRLPRO | 01   | A        | P   |              | R/U PUMPS PITS  |
|            | 6:00 - 15:00   | 9.00          | DRLPRO | 01   | A        | P   |              | MIRU, TRUCKS LEFT @ 10:AM CRANE 12:30 AM  |
|            | 15:00 - 0:00   | 9.00          | DRLPRO | 07   | A        | P   |              | WORK ON BOARD, GUIDE WIRES MISC   |
| 12/13/2008 | 0:00 - 0:00    | 24.00         | DRLPRO | 01   | B        | P   |              | RURT,PAYSON,FLOOR,BACKYARD,FLARE LINES,ECT  |
| 12/14/2008 | 0:00 - 2:30    | 2.50          | DRLPRO | 06   | D        | P   |              | CUT AND SLIP 290' DRLG LINE   |
|            | 2:30 - 9:30    | 7.00          | DRLPRO | 13   | A        | P   |              | NIPPLE UP BOPE  |
|            | 9:30 - 18:30   | 9.00          | DRLPRO | 13   | C        | P   |              | TEST BOPE, KELLY & VALVES - HIGH = 5000 PSI LOW = 250 PSI, BLIND RAMS,PIPE RAMS,CHOKE VALVES,CHOKE MANIFOLD, KILL LINE, HIGH = 5000 PSI - LOW = 250 PSI , ANNULAR= 2500 PSI HIGH, 250 PSI LOW, CSNG TO 1500 PSI F/ 30 MIN HELD SAFETY MTNG W/ TESCO AND RIG CREW RIG UP SAME, PICK UP BIT # 1 AND BHA + DP ( INSTALL WEAR BUSHING ) |
|            | 18:30 - 23:30  | 5.00          | DRLPRO | 05   | A        | P   |              | PICK UP KELLY TORQUE UP VALVES  |
| 12/15/2008 | 23:30 - 0:00   | 0.50          | DRLPRO | 05   | A        | P   |              | INSTALL ROTATING HEAD RUBBER,DRIVE BUSHINGS,FUNCTION PUMPS  |
|            | 0:00 - 1:30    | 1.50          | DRLPRO | 05   | A        | P   |              | REPAIR WATER LEAK TO BRAKES   |
|            | 1:30 - 3:00    | 1.50          | DRLPRO | 07   | A        | Z   |              | DRLG CMNT,FLOAT,AND SHOE  |
|            | 3:00 - 4:30    | 1.50          | DRLPRO | 02   | F        | P   |              | DRLG FORMATION F/ 1857' TO 1938' = 81' - 54' HR MUD WT = 8.3 VIS = 27   |
|            | 4:30 - 6:00    | 1.50          | DRLPRO | 02   | B        | P   |              | SURVEY @ 1856' = .25 DEGREE   |
|            | 6:00 - 6:30    | 0.50          | DRLPRO | 09   | A        | P   |              | DRLG F/ 1938' TO 2507' = 569' - 63' HR MUD WT = 8.4 VIS = 33  |
|            | 6:30 - 15:30   | 9.00          | DRLPRO | 02   | B        | P   |              | SURVEY @ 2415' = .15 DEGREE   |
|            | 15:30 - 16:00  | 0.50          | DRLPRO | 09   | A        | P   |              |   |

## ROCKIES

## Operation Summary Report

Well: BITTER CREEK 1122-6D

Spud Conductor: 12/3/2008

Spud Date: 12/4/2008

Project: UTAH

Site: UINTAH

Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING

Start Date: 12/4/2008

End Date: 12/23/2008

Active Datum: RKB @5,399.00ft (above Mean Sea Level)

UWI: BITTER CREEK 1122-6D

| Date       | Time Start-End | Duration (hr) | Phase  | Code | Subcode2 | P/U | MD From (ft) | Operation   |
|------------|----------------|---------------|--------|------|----------|-----|--------------|---|
|            | 16:00 - 17:30  | 1.50          | DRLPRO | 02   | B        | P   |              | DRLG F/ 2507' TO 2570' = 63' - 42' HR MUD WT = 8.4 VIS = 40   |
|            | 17:30 - 18:00  | 0.50          | DRLPRO | 06   | A        | P   |              | LUBRICATE RIG   |
|            | 18:00 - 0:00   | 6.00          | DRLPRO | 02   | B        | P   |              | DRLG F/ 2570' TO 2950 = 380' - 63' HR MUD WT = 9.1 VIS = 42   |
| 12/16/2008 | 0:00 - 7:30    | 7.50          | DRLPRO | 02   | B        | P   |              | DRLG F/ 2950' TO 3551' = 601' - 80' HR MUD WT = 9.7 VIS = 41  |
|            | 7:30 - 8:00    | 0.50          | DRLPRO | 09   | A        | P   |              | SURVEY @ 3476' = 1.83 DEGREE  |
|            | 8:00 - 15:00   | 7.00          | DRLPRO | 02   | B        | P   |              | DRLG F/ 3551' TO 4153' = 602' - 86' HR MUD WT = 10.1 VIS = 40   |
|            | 15:00 - 15:30  | 0.50          | DRLPRO | 06   | A        | P   |              | LUBRICATE RIG   |
|            | 15:30 - 18:30  | 3.00          | DRLPRO | 02   | B        | P   |              | DRLG F/ 4153' TO 4374' = 221' - 74' HR MUD WT = 10.2 VIS = 44   |
|            | 18:30 - 19:00  | 0.50          | DRLPRO | 09   | A        | P   |              | SURVEY @ 4300' = 1.83 DEGREE  |
|            | 19:00 - 0:00   | 5.00          | DRLPRO | 02   | B        | P   |              | DRLG F/ 4374' TO 4754' = 380' - 76' HR MUD WT = 10.2 VIS = 44   |
| 12/17/2008 | 0:00 - 16:00   | 16.00         | DRLPRO | 02   | B        | P   |              | DRLG F/ 4754' TO 5608' = 854' - 53' HR MUD WT = 10.8 VIS 45   |
|            | 16:00 - 16:30  | 0.50          | DRLPRO | 06   | A        | P   |              | LUBRICATE RIG   |
|            | 16:30 - 0:00   | 7.50          | DRLPRO | 02   | B        | P   |              | DRLG F/ 5608' TO 5829' = 221' - 32' HR MUD WT = 11.0 VIS = 45   |
| 12/18/2008 | 0:00 - 16:00   | 16.00         | DRLPRO | 02   | B        | P   |              | DRLG F/ 5829' TO 6304' = 475' - 30' HR  |
|            | 16:00 - 16:30  | 0.50          | DRLPRO | 06   | A        | P   |              | LUBRICATE RIG   |
|            | 16:30 - 22:00  | 5.50          | DRLPRO | 02   | B        | P   |              | DRLG F/ 6304' TO 6404' = 100' - 18' HR - MUD WT = 11.1 VIS = 44                                       |
|            | 22:00 - 23:00  | 1.00          | DRLPRO | 04   | C        | P   |              | CIRC,BUILD & PUMP SLUG, DROP SURVEY, BLOW DOWN KELLY  |
|            | 23:00 - 0:00   | 1.00          | DRLPRO | 05   | A        | P   |              | TRIP F/ BIT # 1   |
| 12/19/2008 | 0:00 - 7:00    | 7.00          | DRLPRO | 05   | A        | P   |              | TRIP OUT, TIGHT F/ 4565' TO 4600' P/U KELLY PUMP 3 - JOINTS OUT, FINISH TRIP OUT LAY DOWN BIT,MM,IBS, |
|            | 7:00 - 9:00    | 2.00          | DRLPRO | 05   | A        | P   |              | PICK UP BIT #2 AND MUD MTR, TRIP IN HOLE TO SHOE AND FILL PIPE,                                       |
|            | 9:00 - 9:30    | 0.50          | DRLPRO | 06   | A        | P   |              | LUBRICATE RIG   |
|            | 9:30 - 11:30   | 2.00          | DRLPRO | 05   | A        | P   |              | TRIP IN HOLE ( NO PROBLEMS )  |
|            | 11:30 - 12:00  | 0.50          | DRLPRO | 03   | D        | P   |              | WASH AND REAM 85' TO BOTTOM ( 4' FILL )   |
|            | 12:00 - 0:00   | 12.00         | DRLPRO | 02   | B        | P   |              | DRLG F/ 6404' TO 6983' = 579' - 48' HR - MUD WT = 11.6 VIS = 44                                       |
| 12/20/2008 | 0:00 - 16:00   | 16.00         | DRLPRO | 02   | B        | P   |              | DRLG F/ 6983' TO 7811' = 828' - 52' HR MUD WT = 11.7 VIS = 43   |
|            | 16:00 - 16:30  | 0.50          | DRLPRO | 06   | A        | P   |              | LUBRICATE RIG   |
|            | 16:30 - 0:00   | 7.50          | DRLPRO | 02   | B        | P   |              | DRLG F/ 7811' TO 8020' = 27' HR MUD WT = 11.8 VIS = 45  |
| 12/21/2008 | 0:00 - 2:30    | 2.50          | DRLPRO | 02   | B        | P   |              | DRLG F/ 8020' TO 8059' = 39' - 15.6 ' HR MUD WT = 11.8 VIS =45  |
|            | 2:30 - 3:00    | 0.50          | DRLPRO | 04   | C        | P   |              | CIRC, BUILD SLUG  |
|            | 3:00 - 8:30    | 5.50          | DRLPRO | 05   | A        | P   |              | PUMP SLUG,BLOW DOWN KELLY, TRIP F/ BIT # 2 TIGHT F/ 6634' TO 6182' L/D BIT # 2 CHECK MM               |
|            | 8:30 - 12:30   | 4.00          | DRLPRO | 05   | A        | P   |              | MAKE UP BIT # 2 TRIP IN HOLE ( FILL @ 2000' )   |
|            | 12:30 - 13:00  | 0.50          | DRLPRO | 03   | D        | P   |              | WASH & REAM 75' TO BOTTOM ( NO FILL )   |
|            | 13:00 - 13:30  | 0.50          | DRLPRO | 06   | A        | P   |              | LUBRICATE RIG   |
|            | 13:30 - 0:00   | 10.50         | DRLPRO | 02   | B        | P   |              | DRLG F/ 8059' TO 8365' = 306' - 30' HR MUD WT = 11.9+ VIS = 44  |
| 12/22/2008 | 0:00 - 4:30    | 4.50          | DRLPRO | 02   | B        | P   |              | DRLG F/ 8365' TO 8466'101' = 22' HR MUD WT = 11.9 VIS = 45  |
|            | 4:30 - 6:00    | 1.50          | DRLPRO | 07   | B        | Z   |              | CHANGE SWABS IN BOTH PUMPS  |

## ROCKIES

## Operation Summary Report

Well: BITTER CREEK 1122-6D

Spud Conductor: 12/3/2008

Spud Date: 12/4/2008

Project: UTAH

Site: UINTAH

Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING

Start Date: 12/4/2008

End Date: 12/23/2008

Active Datum: RKB @5,399.00ft (above Mean Sea Level)

UWI: BITTER CREEK 1122-6D

| Date       | Time Start-End | Duration (hr) | Phase  | Code | Subcode2 | P/U | MD From (ft) | Operation  |
|------------|----------------|---------------|--------|------|----------|-----|--------------|--|
|            | 6:00 - 14:00   | 8.00          | DRLPRO | 02   | B        | P   |              | DRLG F/ 8466' TO 8610' = 144' = 18' HR MUD WT = 11.9 VIS = 46  |
|            | 14:00 - 15:00  | 1.00          | DRLPRO | 04   | C        | P   |              | CIRC, F/ SHORT TRIP  |
|            | 15:00 - 17:00  | 2.00          | DRLPRO | 05   | E        | P   |              | SHORT TRIP TO 6200' NO PROBLEMS  |
|            | 17:00 - 19:00  | 2.00          | DRLPRO | 04   | C        | P   |              | CIRC TO LAY DOWN DRILL PIPE  |
|            | 19:00 - 0:00   | 5.00          | DRLPRO | 05   | D        | P   |              | HELD SAFETY MTNG W/ TESCO AND RIG CREW RIG UP AND LAY DOWN DRILL PIPE  |
| 12/23/2008 | 0:00 - 3:30    | 3.50          | DRLPRO | 05   | D        | P   |              | LAY DOWN DRILL PIPE, BREAK KELLY AND VALVES, LAY DOWN BHA, PULL WEAR BUSHING   |
|            | 3:30 - 5:00    | 1.50          | DRLPRO | 11   | A        | P   |              | HELD SAFETY MTNG W/ TESCO AND RIG CREW RIG UP CASERS   |
|            | 5:00 - 12:00   | 7.00          | DRLPRO | 11   | B        | P   |              | RUN 203 JTS 4 1/2 ,11.6 ,F80 PROD CSNG TO 8604'  |
|            | 12:00 - 15:30  | 3.50          | DRLPRO | 04   | E        | P   |              | CIRC F/ CEMENT ,R/D TESCO ,SAFETY MEETING W/ BJ SERVICES   |
|            | 15:30 - 19:00  | 3.50          | DRLPRO | 15   | A        | P   |              | PUMP 20 BBLs MUD CLEAN ,20 SX SCAVENGER,330 SX LEAD ,1200 SX TAIL ,DISPLACE W/ 133 BBLs CLAY TREAT BUMPED PLUG @ 3286 PSI 33 BBLs LEAD CEMENT BACK TO PIT ,FLOATS HELD,INSTALL & TEST HANGER PACKING |
|            | 19:00 - 0:00   | 5.00          | DRLPRO | 13   | A        | P   |              | NIPPLE DOWN CLEAN PITS ,RELEASE RIG @ 24:00 12/23/2008   |

ROCKIES

Operation Summary Report

|  |  |                           |  |                      |  |
|--|--|---------------------------|--|----------------------|--|
| Well: BITTER CREEK 1122-6D                           |  | Spud Conductor: 12/3/2008 |  | Spud Date: 12/4/2008 |  |
| Project: UTAH  |  | Site: UINTAH              |  | Rig Name No: GWS 1/1 |  |
| Event: COMPLETION                                    |  | Start Date: 1/26/2009     |  | End Date: 2/2/2009   |  |
| Active Datum: RKB @5,399.00ft (above Mean Sea Level) |  | UWI: BITTER CREEK 1122-6D |  |                      |  |

| Date      | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation  |
|-----------|----------------|---------------|-------|------|----------|-----|--------------|--|
| 1/23/2009 | 7:00 - 7:30    | 0.50          | COMP  | 48   |          | P   |              | HSM  |
|           | 7:30 - 15:00   | 7.50          | COMP  | 30   | A        | P   |              | ROAD RIG F/ BC 1122-6E, T/ LOC. MIRU RIG, SPOT EQUIP. OPEN WELL 0#. ND WH, NUBOP. RU RIG FLOOR & TBG EQUIP. SWI, SDFWE.  |
| 1/26/2009 | 7:00 - 7:30    | 0.50          | COMP  | 48   |          | P   |              | HSM.   |
|           | 7:30 - 15:00   | 7.50          | COMP  | 31   | I        | P   |              | OPEN WELL 0#. PREP & TALLY 180 JTS 2 3/8, J-55 TBG. PU 3 7/8 MILL & BIT SUB. RIH W/ 176 JTS TBG T/ 5450', X-OVER POOH, SB 176 JTS, SWI. SDFN.  |
| 1/27/2009 | 7:00 - 7:30    | 0.50          | COMP  | 48   |          | P   |              | HSM.   |
|           | 7:30 - 15:00   | 7.50          | COMP  | 37   |          | P   |              | OPEN WELL 0#. ND BOP, NU FRAC VALVES. FILL CSG W/ 15 BBLS 2% KCL. MIRU B&C QUICK TEST. PSI TEST T/ 7500#. BLEED OFF PSI T/ PIT. RDMO B&C QUICK TEST. MIRU CUTTERS W.L.. PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF F/ 8224'-27', 4 SPF, 12 HOLES. 8178'-81', 4 SPF, 12 HOLES. 8166'-70', 4 SPF, 16 HOLES. POOH. PREP T/ FRAC IN THE :AM. SWI. SDFN. STDBY.   |
| 1/28/2009 | 7:00 - 15:00   | 8.00          | COMP  | 46   | E        | P   |              | HSM.   |
| 1/29/2009 | 7:00 - 7:30    | 0.50          | COMP  | 48   |          | P   |              | HSM.   |
|           | 7:30 - 18:00   | 10.50         | COMP  | 36   | B        | P   |              | MIRU BJ FRAC SERV & CUTTERS W.L.. WHILE LOADING JOB INTO BJ FRAC COMPUTER, ALL INFO WAS LOST. RELOAD 2ND COMPUTER. COULD NOT GET COMS W/ BLENDER COMPUTER. MAKE REPAIRS. PSI TEST LINES T/ 8300#. GOOD TEST. STG 1)OPEN WELL 700#. BEG PUMP, BRK @ 4575# @ 5.6 BPM. SD ISIP 2687#, FG .77. BEG FRAC, PUMP 95,417# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2783#, FG .78. X-OVER FOR W.L. STG 2)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN. 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8118', P/U PERF F/ 8085'-88', 4 SPF, 12 HOLES. 8025'-30', 4 SPF, 20 HOLES. 7992'-94', 4 SPF, 8 HOLES. POOH, X-OVER FOR FRAC CREW. PREP T/ FRAC IN THE :AM. WINTERIZE WELL HEAD. SWI, SDFN. |
| 1/30/2009 | 7:00 - 7:30    | 0.50          | COMP  | 48   |          | P   |              | HSM.   |

ROCKIES

Operation Summary Report

|  |  |                           |  |                      |  |
|--|--|---------------------------|--|----------------------|--|
| Well: BITTER CREEK 1122-6D                           |  | Spud Conductor: 12/3/2008 |  | Spud Date: 12/4/2008 |  |
| Project: UTAH  |  | Site: UINTAH              |  | Rig Name No: GWS 1/1 |  |
| Event: COMPLETION                                    |  | Start Date: 1/26/2009     |  | End Date: 2/2/2009   |  |
| Active Datum: RKB @5,399.00ft (above Mean Sea Level) |  | UWI: BITTER CREEK 1122-6D |  |                      |  |

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation  |
|------|----------------|---------------|-------|------|----------|-----|--------------|--|
|      | 7:30 - 21:30   | 14.00         | COMP  | 36   | B        | P   |              | <p>OPEN WELL 950#.</p> <p>STG 2)PERF LAST NITE. BEG PUMP @ 8:15 AM. BRK @ 3460# @ 3.4 BPM. SD ISIP 2937#, FG .81. BEG FRAC, PUMP 142,600# 30/50 WHITE &amp; TAIL IN W/ 3,000# 20/40 TLC. CUT SAND 8,700# SHOT. SCREEN OUT 12.3 BBLS SHORT F/ FLUSH. OPEN WELL T/ PIT, FLOW BACK FOR 15 MIN.SWI. REFLUSH CSG. SD. X-OVER FOR W.L..</p> <p>STG 3)PU 4 1/2, 8K BAKER CBP &amp; 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. RIH SET CBP @ 7900', P/U PERF F/ 7850'-60', 4 SPF, 40 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 530#, BEG PUMP, BRK @ 6602' @ 3.9 BPM. SD ISIP 3675#, FG .91. BEG FRAC, VERY HIGH PSI, BULL HEAD 3 BBLS 15% HCL, &amp; BEGIN SAND, PUMP 32,777# 30/50 WHITE &amp; TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3019#, FG .83. X-OVER FOR W.L..</p> <p>STG 4)PU 4 1/2, 8K BAKER CBP &amp; 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. RIH SET CBP @ 7690', P/U PERF F/ 7646'-54', 4 SPF, 32 HOLES. 7620'-24', 3 SPF, 12 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 300#. BEG PUMP, BRK @ 5569# @ 4.7 BPM. SD ISIP 2676#, FG .79. BEG FRAC, PUMP 73,967# 30/50 WHITE &amp; TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2506#, FG .77. X-OVER FOR W.L..</p> <p>STG 5)PU 4 1/2, 8K BAKER CBP &amp; 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. RIH SET CBP @ 7318' P/U PERF F/ 7279'-86', 4 SPF, 28 HOLES. 7185'-88', 4 SPF, 12 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 230#, BEG PUMP, BRK @ 3009# @ 4.2 BPM. SD ISIP 1941#, FG .71. BEG FRAC, PUMP 78,337# 30/50 WHITE &amp; TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2614#, FG .80. X-OVER FOR W.L..</p> <p>STG 6)PU 4 1/2, 8K BAKER CBP &amp; 3 3/8 EXP GUN, 23 GM, .36 HOLES SIZE. RIH SET CBP @ 6950' P/U PERF F/ 6916'-20', 4 SPF, 16 HOLES. 6864'-70', 4 SPF, 24 HOLES. POOH, X-OVER T/ FRAC CREW. OPEN WELL 314#. BEG PUMP, BRK @ 3277# @ 4.6 BPM. SD ISIP 2286#, FG .77. BEG FRAC, PUMP 74,257# 30/50 WHITE &amp; TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3140#, FG .90. X-OVER FOR W.L..</p> <p>STG 7)PU 4 1/2, 8K BAKER CBP &amp; 3 3/8 EXP GUN, 23 GM, .36 HOLES SIZE. 90 DEG PHASING. RIH SET CBP @ 6300' P/U PERF F/ 6252'-58', 4 SPF, 24 HOLES. 6218'-22', 4 SPF, 16 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 200#, BEG PUMP, BRK @ 2293# @ 4 BPM. SD ISIP 1769#, FG .73. BEG FRAC, PUMP 38,120# 30/50 WHITE &amp; TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2499#, FG .89. X-OVER FOR W.L..</p> |

ROCKIES

Operation Summary Report

|  |  |                           |  |                      |  |
|--|--|---------------------------|--|----------------------|--|
| Well: BITTER CREEK 1122-6D                           |  | Spud Conductor: 12/3/2008 |  | Spud Date: 12/4/2008 |  |
| Project: UTAH  |  | Site: UINTAH              |  | Rig Name No: GWS 1/1 |  |
| Event: COMPLETION                                    |  | Start Date: 1/26/2009     |  | End Date: 2/2/2009   |  |
| Active Datum: RKB @5,399.00ft (above Mean Sea Level) |  | UWI: BITTER CREEK 1122-6D |  |                      |  |

| Date     | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation   |
|----------|----------------|---------------|-------|------|----------|-----|--------------|---|
| 2/2/2009 | 7:00 - 7:30    | 0.50          | COMP  | 48   |          | P   |              | STG 8)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLES. 90 DEG PHASING. RIH SET CBP @ 5768', P/U PERF F/ 5732'-38', 4 SPF, 24 HOLES. 5538'-42', 4 SPF, 16 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 180#. BEG PUMP, BRK @ 2111# @ 5,4 BPM. SD ISIP 1620# FG .73. BEG FRAC, PUMP 67,785# 30/50 WHITE & TAIL IN W/ 5,000# TLC. SD ISIP 2499#K, FG .89. X-OVER FOR W.L.. PU 4 1/2, 8K BAKER CBP. RIH SET CBP @ 5500'. POOH. RDMO CUTTERS W.L. & BJ FRAC SERV. HSM |

ROCKIES

Operation Summary Report

|  |  |                           |  |                      |  |
|--|--|---------------------------|--|----------------------|--|
| Well: BITTER CREEK 1122-6D                           |  | Spud Conductor: 12/3/2008 |  | Spud Date: 12/4/2008 |  |
| Project: UTAH  |  | Site: UINTAH              |  | Rig Name No: GWS 1/1 |  |
| Event: COMPLETION                                    |  | Start Date: 1/26/2009     |  | End Date: 2/2/2009   |  |
| Active Datum: RKB @5,399.00ft (above Mean Sea Level) |  | UWI: BITTER CREEK 1122-6D |  |                      |  |

| Date                | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation  |    |       |             |     |                     |         |                  |      |       |  |       |         |
|---------------------|----------------|---------------|-------|------|----------|-----|--------------|--|----|-------|-------------|-----|---------------------|---------|------------------|------|-------|--|-------|---------|
|                     | 7:30 - 19:00   | 11.50         | COMP  | 44   | C        | P   |              | <p>OPEN WELL 0#. ND FRAC VALVES, NUBOP. RU RIG FLOOR &amp; TBG EQUIP. PU 3 7/8 BIT + X-DART + POBS + XN-NIPPLE ( 1.875 ). RIH W/ 2 3/8, J-55 TBG. TAG FILL @ 5490'= 10' FILL. RU DRL EQUIP &amp; PUMP &amp; LINES. BRK CONV CIRC, BEG DRL OUT.</p> <p>CBP 1)TAG FILL @ 5490'= 10' FILL. C/O SAND, DRL CBP @ 5500' IN 7 MIN. 200# INCR. CONT RIH.</p> <p>CBP 2)TAG FILL @ 5753'= 25' FILL. C/O SAND, DRL OUT CBP @ 5768 IN 7 MIN. 50# INCR. CONT RIH.</p> <p>CBP 3)TAG FILL @ 6270' = 30' FILL. C/O SAND, DRL OUT CBP @ 6300' IN 6 MIN. 0# INCR. CONT RIH.</p> <p>CBP 4)TAG FILL @ 6940' = 10' FILL. C/O SAND, DRL OUT CBP @ 6950' IN 8 MIN. 500# INCR. CONT RIH.</p> <p>CBP 5)TAG FILL @ 7288' = 30' FILL. C/O SAND, DRL OUT CBP @ 7318' IN 6 MIN. 600# INCR. CONT RIH.</p> <p>CBP 6)TAG FILL @ 7660' = 30' FILL. C/O SAND, DRL OUT CBP @ 7690' IN 7 MIN. 300# INCR. CONT RIH.</p> <p>CBP 7)TAG FILL @ 7875' = 25' FILL. C/O SAND, DRL OUT CBP @ 7900' IN 12 MIN. 400# INCR. CONT RIH.</p> <p>CBP 8)TAG FILL @ 8108' = 10' FILL. C/O SAND, DRL OUT CBP @ 8118' IN 20 MIN. 800# INCR. CONT RIH T/ C/O T/ PBTD @ 8388' W/ 269 JTS TBG. P/U LD 14 JTS EXCESS TBG. PU 4 1/16 HNGR &amp; LAND TBG W/</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">KB</td> <td style="text-align: right;">18.00</td> </tr> <tr> <td>4 1/16 HNGR</td> <td style="text-align: right;">.83</td> </tr> <tr> <td>255 JTS 2 3/8, J-55</td> <td style="text-align: right;">7936.26</td> </tr> <tr> <td>XN-NIPPLE &amp; POBS</td> <td style="text-align: right;">2.20</td> </tr> <tr> <td colspan="2" style="text-align: right;">-----</td> </tr> <tr> <td>EOT @</td> <td style="text-align: right;">7957.29</td> </tr> </table> <p>ATTM T/ BRK OUT JTS ON TOP OF TBG W/ TBG TONGS IN HIGH GEAR. WOULD NOT BRK OUT. GRAB LOW GEAR MADE 2 ROUNDS &amp; CAME FREE FINISHED BRKING OUT JT. PULL JT OUT OF STIPPING RUBBER &amp; FOUND GOUGES IN JT UPSET. LOOK DOWN INTO BOP, FOUND THE HOLE TBG HNGR SITTING BELOW LANDING PINS. KNOW PSI LEAKING AROUND HNGR. ND BOP, NUWH. COULD NOT READ CSG PSI BECAUSE HNGR BODY IS BLOCKING HOLES FOR CSG VALVES. LAST SEEN CSG PSI 1050#. DROP BALL, PUMP BIT OFF W/ 20 BBLs. DIDN'T SEE BIT GO. TURN WELL OVER T/ FBC. FTP 250#. RACK OUT RIG EQUIP &amp; RD RIG. SDFN.</p> <p>NOTE : THINK THE NOGO IN THE TBG HEAD WAS MILLED WRONG.</p> <p>CANT READ CSG PSI BECAUSE TBG HNGR</p> | KB | 18.00 | 4 1/16 HNGR | .83 | 255 JTS 2 3/8, J-55 | 7936.26 | XN-NIPPLE & POBS | 2.20 | ----- |  | EOT @ | 7957.29 |
| KB                  | 18.00          |               |       |      |          |     |              |  |    |       |             |     |                     |         |                  |      |       |  |       |         |
| 4 1/16 HNGR         | .83            |               |       |      |          |     |              |  |    |       |             |     |                     |         |                  |      |       |  |       |         |
| 255 JTS 2 3/8, J-55 | 7936.26        |               |       |      |          |     |              |  |    |       |             |     |                     |         |                  |      |       |  |       |         |
| XN-NIPPLE & POBS    | 2.20           |               |       |      |          |     |              |  |    |       |             |     |                     |         |                  |      |       |  |       |         |
| -----               |                |               |       |      |          |     |              |  |    |       |             |     |                     |         |                  |      |       |  |       |         |
| EOT @               | 7957.29        |               |       |      |          |     |              |  |    |       |             |     |                     |         |                  |      |       |  |       |         |

ROCKIES

Operation Summary Report

|  |  |                           |                           |                      |  |
|--|--|---------------------------|---------------------------|----------------------|--|
| Well: BITTER CREEK 1122-6D                           |  | Spud Conductor: 12/3/2008 |                           | Spud Date: 12/4/2008 |  |
| Project: UTAH  |  | Site: UINTAH              |                           | Rig Name No: GWS 1/1 |  |
| Event: COMPLETION                                    |  | Start Date: 1/26/2009     |                           | End Date: 2/2/2009   |  |
| Active Datum: RKB @5,399.00ft (above Mean Sea Level) |  |                           | UWI: BITTER CREEK 1122-6D |                      |  |

| Date     | Time Start-End | Duration (hr) | Phase | Code | Subcode2 | P/U | MD From (ft) | Operation   |
|----------|----------------|---------------|-------|------|----------|-----|--------------|---|
|          |                |               |       |      |          |     |              | BODY IS BLOCKING CSG VALVE HOLES. WILL NEED T/ PERF TOP JT T/ EQUILIZE WELL PSI.  |
|          |                |               |       |      |          |     |              | CAN NOT READ CSG PSI BECAUSE TBG HNGR IS BLOCKING CSG VALVE HOLES.  |
|          |                |               |       |      |          |     |              | (((( WILL NEED SURFACE JARS T/ UNLAND TBG.)))   |
| 2/3/2009 | 7:00 -         |               |       | 33   | A        |     |              | 7 AM FLBK REPORT: CP 0#, TP 1000#, 20/64" CK, 70 BWPH, TRACE SAND, LIGHT GAS<br>TTL BBLS RECOVERED: 2913<br>BBLS LEFT TO RECOVER: 14024 |
| 2/4/2009 | 7:00 -         |               |       | 33   | A        |     |              | 7 AM FLBK REPORT: CP 0#, TP 950#, 20/64" CK, 51 BWPH, TRACE SAND, LIGHT GAS<br>TTL BBLS RECOVERED: 4352<br>BBLS LEFT TO RECOVER: 12585  |
| 2/5/2009 | 7:00 -         |               |       | 33   | A        |     |              | 7 AM FLBK REPORT: CP 0#, TP 975#, 20/64" CK, 44 BWPH, TRACE SAND, LIGHT GAS<br>TTL BBLS RECOVERED: 5518<br>BBLS LEFT TO RECOVER: 11419  |
|          | 10:00 -        |               | PROD  |      |          |     |              | WELL TURNED TO SALES @ 1000 HR ON<br>2/5/2009 - FTP 950#, CP 1000#, CK 20/64", 396 MCFD, 1080 BWPD                                      |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UTU25880

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
KERR-MCGEE OIL & GAS ONSHORE  
Contact: SHEILA UPCHEGO  
Email: sheila.upchecho@anadarko.com

8. Lease Name and Well No.  
BITTER CREEK 1122-6D

3. Address 1368 SOUTH 1200 EAST  
VERNAL, UT 84078

3a. Phone No. (include area code)  
Ph: 435-781-7024

9. API Well No.  
43-047-39761

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface NWNW Lot 4 913FNL 462FWL  
 At top prod interval reported below NWNW Lot 4 913FNL 462FWL  
 At total depth NWNW Lot 4 913FNL 462FWL

10. Field and Pool, or Exploratory  
UNDESIGNATED

11. Sec., T., R., M., or Block and Survey  
or Area Sec 6 T11S R22E Mer SLB

12. County or Parish  
UINTAH

13. State  
UT

14. Date Spudded  
12/03/2008

15. Date T.D. Reached  
12/24/2008

16. Date Completed  
 D & A  Ready to Prod.  
02/05/2009

17. Elevations (DF, KB, RT, GL)\*  
5381 GL

18. Total Depth: MD 8610  
TVD

19. Plug Back T.D.: MD 8388  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CBL-CCL-GR

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit analysis)  
 Directional Survey?  No  Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade   | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|--------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 20.000    | 14.000 STEEL | 36.7        |          | 40          |                      | 28                          |                   |             |               |
| 12.250    | 9.625 J-55   | 36.0        |          | 1835        |                      | 520                         |                   |             |               |
| 7.875     | 4.500 I-80   | 11.6        |          | 8610        |                      | 1530                        |                   |             |               |
|           |              |             |          |             |                      |                             |                   |             |               |
|           |              |             |          |             |                      |                             |                   |             |               |

24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 7957           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation    | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|--------------|------|--------|---------------------|-------|-----------|--------------|
| A) WASATCH   | 5538 | 6258   | 5538 TO 6258        | 0.360 | 80        | OPEN         |
| B) MESAVERDE | 6864 | 8227   | 6864 TO 8227        | 0.360 | 244       | OPEN         |
| C)           |      |        |                     |       |           |              |
| D)           |      |        |                     |       |           |              |

26. Perforation Record

| Depth Interval | Amount and Type of Material                          |
|----------------|--|
| 5538 TO 6258   | PMP 2724 BBLs SLICK H2O & 115,905# 30/50 OTTOWA SD   |
| 6864 TO 8227   | PMP 15,213 BBLs SLICK H2O & 525,355# 30/50 OTTOWA SD |

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Date First Produced | Test Date                | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|--------------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 02/05/2009          | 02/17/2009               | 24           | →               | 0.0     | 1758.0  | 440.0     |                       |             | FLows FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. Press. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 16/64               | SI 259                   | 3.0          | →               | 0       | 1758    | 440       |                       | PGW         |                   |

28a. Production - Interval B

| Date First Produced | Test Date                | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|--------------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 02/05/2009          | 02/17/2009               | 24           | →               | 0.0     | 1758.0  | 440.0     |                       |             | FLows FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. Press. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 16/64               | SI 259                   | 3.0          | →               | 0       | 1758    | 440       |                       | PGW         |                   |

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #67759 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
 \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

**RECEIVED**  
MAR 05 2009

28b. Production - Interval C

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>▶ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>▶     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

28c. Production - Interval D

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>▶ | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>▶     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation   | Top  | Bottom | Descriptions, Contents, etc. | Name | Top         |
|-------------|------|--------|------------------------------|------|-------------|
|             |      |        |                              |      | Meas. Depth |
| GREEN RIVER | 785  |        |                              |      |             |
| BIRDS NEST  | 1075 |        |                              |      |             |
| MAHOGANY    | 1385 |        |                              |      |             |
| WASATCH     | 3912 | 6466   |                              |      |             |
| MESAVERDE   | 6500 | 8486   |                              |      |             |

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #67759 Verified by the BLM Well Information System.  
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (please print) SHEILA UPCHEGO Title OPERATIONS

Signature  Date 03/03/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

|   |  |
|---|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING | <b>FORM 9</b><br><br><b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-25880 |
|---|--|

|  |  |
|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br><b>7. UNIT or CA AGREEMENT NAME:</b> |
|--|--|

|                                    |   |
|------------------------------------|---|
| <b>1. TYPE OF WELL</b><br>Gas Well | <b>8. WELL NAME and NUMBER:</b><br>BITTER CREEK 1122-6D |
|------------------------------------|---|

|   |   |
|---|---|
| <b>2. NAME OF OPERATOR:</b><br>KERR-MCGEE OIL & GAS ONSHORE, L.P. | <b>9. API NUMBER:</b><br>43047397610000 |
|---|---|

|   |  |  |
|---|--|--|
| <b>3. ADDRESS OF OPERATOR:</b><br>P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | <b>PHONE NUMBER:</b><br>720 929-6007 Ext | <b>9. FIELD and POOL or WILDCAT:</b><br>BITTER CREEK |
|---|--|--|

|   |   |
|---|---|
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0913 FNL 0462 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NWNW Section: 06 Township: 11.0S Range: 22.0E Meridian: S | <b>COUNTY:</b><br>UINTAH<br><br><b>STATE:</b><br>UTAH |
|---|---|

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION   |   |   |
|--|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:                 | <input type="checkbox"/> ACIDIZE                               | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>4/29/2010 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS              | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  | <input type="checkbox"/> CHANGE WELL STATUS                    | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:                                       | <input type="checkbox"/> DEEPEN                                | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|  | <input type="checkbox"/> OPERATOR CHANGE                       | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|  | <input checked="" type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION         | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|  | <input type="checkbox"/> TUBING REPAIR                         | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> WATER SHUTOFF                         | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION            | <input type="checkbox"/> OTHER                          | OTHER: _____  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 THIS WELL RETURNED TO PRODUCTION ON 4/29/2010.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 04, 2010

|  |                                     |                                    |
|--|-------------------------------------|------------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Andy Lytle | <b>PHONE NUMBER</b><br>720 929-6100 | <b>TITLE</b><br>Regulatory Analyst |
| <b>SIGNATURE</b><br>N/A                  |                                     | <b>DATE</b><br>5/3/2010            |

|   |  |
|---|--|
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|--|--|

|                                    |   |
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|   |   |
|---|---|
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|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION            | <input type="checkbox"/> OTHER                          | OTHER: _____  |

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**Accepted by the  
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**FOR RECORD ONLY**

May 04, 2010

|  |                                     |                                    |
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| <b>SIGNATURE</b><br>N/A                  |                                     | <b>DATE</b><br>5/3/2010            |