

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. UTU-71417
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 KERR MCGEE OIL & GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No.
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. BITTER CREEK 1122-41
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SE 1939'FSL, 513'FEL At proposed prod. Zone 1032384 x 4416220 y -109.451714		9. API Well No. 43-04739756
14. Distance in miles and direction from nearest town or post office* 38.05 +/- MILES SOUTHEAST OF OURAY, UTAH		10. Field and Pool, or Exploratory UNDESIGNATED Bitter Creek
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 513'		11. Sec., T., R., M., or Blk, and Survey or Area SEC. 4, T11S, R22E
16. No. of Acres in lease 1520.00	17. Spacing Unit dedicated to this well 40.00	12. County or Parish UINTAH
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 8210'	13. State UTAH
20. BLM/BIA Bond No. on file BOND NO. WYB000291	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5623'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) BRADLEY G. HILL	Date 10-30-08
Title ENVIRONMENTAL MANAGER	Office	

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)

Federal Approval of this
Action is Necessary

RECEIVED
NOV 02 2007
DIV. OF OIL, GAS & MINING

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

Kerr-McGee Oil & Gas Onshore LP

32

33

Well location, BITTER CREEK #1122-41, located as shown in the NE 1/4 SE 1/4 of Section 4, T11S, R22E, S.L.B.&M., Uintah County, Utah.

SW Cor. Sec. 32
1991 Alum. Cap,
1.3' High, Pile
of Stones

S 1/4 Cor. Sec. 32
1991 Brass Cap
0.3' High, Pile
of Stones

SE Cor. Sec. 32
1991 Alum. Cap
0.2' High, Pile
of Stones

S 1/4 Sec. 33
1991 Alum. Cap on
2-1/2" Steel Post
0.5' Above 2.0' High
Pile of Stones

S89°51'16"W - 2647.97' (Meas.)

S89°51'44"W - 2643.75' (Meas.)

S89°56'55"W - 2641.76' (Meas.)
S89°56'55"W
976.76' (Meas.)

S89°51'23"W
971.72' (Meas.)
C.C. - 1928 Brass
Cap 0.6' Above 2.0'
High Pile of Stones

C.C. - 1923 Brass
Cap 0.8' Above 1.3'
High Pile of Stones

N00°01'15"E - 3128.10' (Meas. To C.C.)
N00°01'15"E - 3128.73' (Meas. To True)

N0°03'35"W - 3150.94' (Meas. To C.C.)
N0°03'35"W 3151.08' (Meas. To True)

S00°00'01"W - 2639.91' (Meas.)

S00°00'59"E - 2644.91' (Meas.)

1928 Brass Cap
0.5' Above 2.0'
High Pile of Stones

1923 Brass Cap 1.3'
Above 1.5' High Pile
of Stones

1923 Brass Cap
1.0' High, Pile of
Stones

1923 Brass Cap
1.8' High, Pile of
Stones

1923 Brass Cap
2.5' High, Pile of
Stones

S89°50'23"E - 2649.40' (Meas.)

S89°48'14"E - 2652.43' (Meas.)
(NAD 83)

LATITUDE = 39°53'15.41" (39.887614)

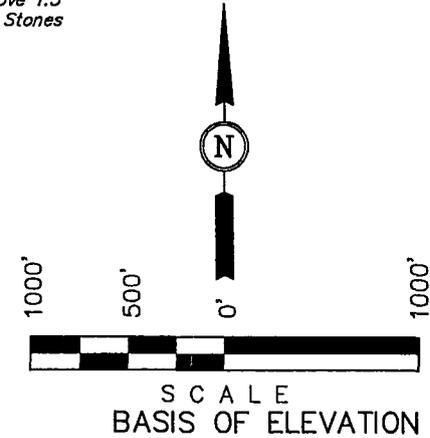
LONGITUDE = 109°27'08.68" (109.452411)

(NAD 27)

LATITUDE = 39°53'15.53" (39.887647)

LONGITUDE = 109°27'06.23" (109.451731)

T10S
T11S

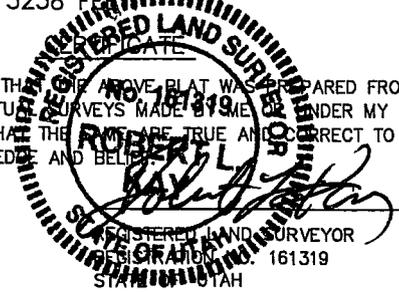


BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

BITTER CREEK #1122-41
Elev. Ungraded Ground = 5623'

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

- LEGEND:
- └─┘ = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 06-12-07	DATE DRAWN: 06-15-07
PARTY J.M. B.C. L.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

**BITTER CREEK 1122-4I
NE/SE SEC. 4, T11S, R22E
UINTAH COUNTY, UTAH
UTU-71417**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	880'
Top of Birds Nest Water	1196'
Mahogany	1515'
Wasatch	3873'
Mesaverde	6209'
MVU2	7179'
MVL1	7784'
TD	8210'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	880'
	Top of Birds Nest Water	1196'
	Mahogany	1515'
Gas	Wasatch	3873'
	Mesaverde	6209'
Gas	MVU2	7179'
Gas	MVL1	7784'
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 8210' TD, approximately equals 5090 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3284 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. **Variances:**

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**

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 1800	32.30	H-40	STC	0.76	1.63	4.99
PRODUCTION	4-1/2"	0 to 8210	11.60	I-80	LTC	2.61	1.33	2.42

- 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 2975 psi

Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	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	1500	NOTE: If well will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite + 25 pps Flocele + 3% 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	3,370'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	370	60%	11.00	3.38
	TAIL	4,840'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1350	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

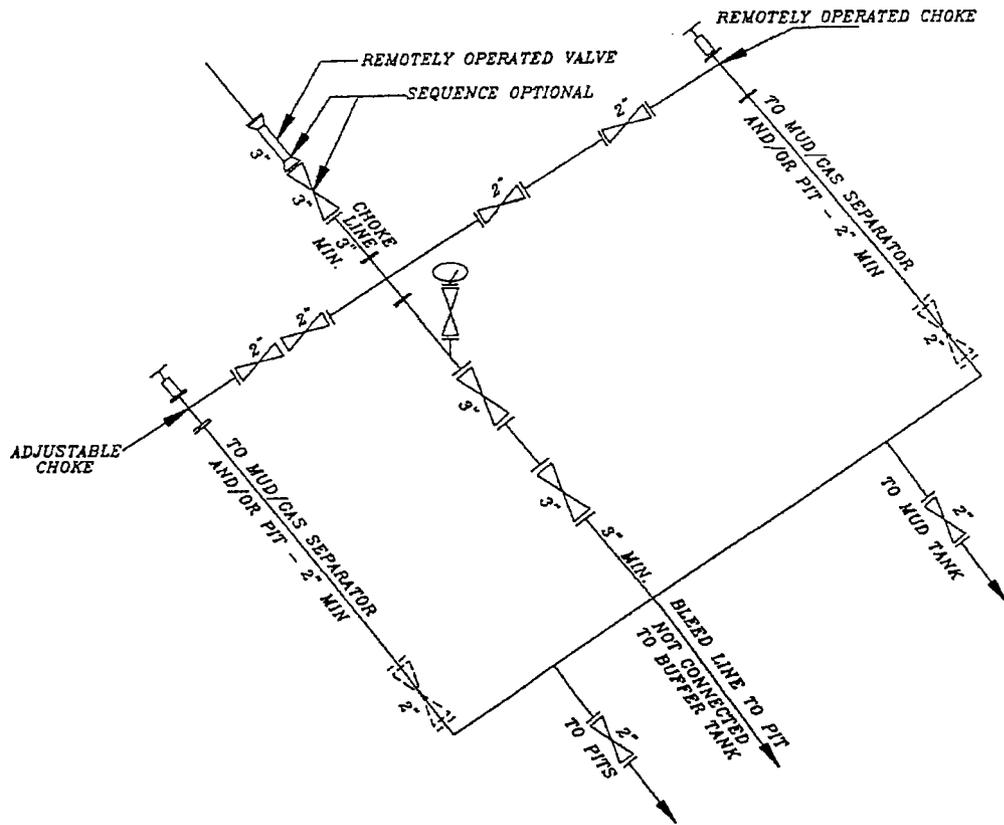
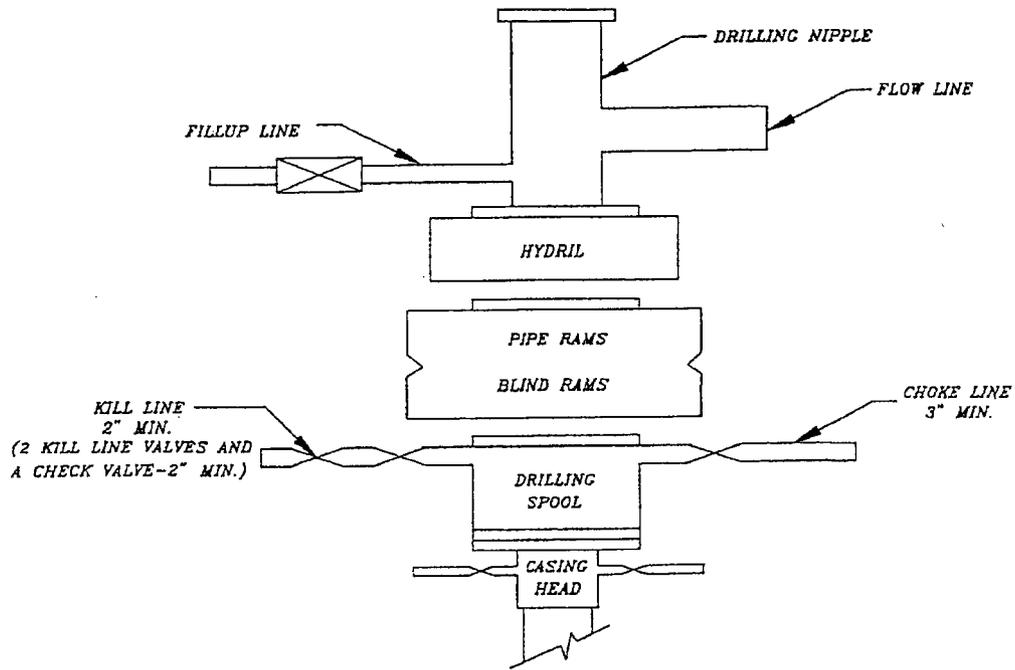
SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

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: _____ DATE: _____
 Brad Laney
 DRILLING SUPERINTENDENT: _____ DATE: _____
 Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**BITTER CREEK 1122-4I
NE/SE SEC. 4, T11S, R22E
UINTAH COUNTY, UTAH
UTU-71417**

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 0.25 +/- 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:

Approximately 1236' +/- of 4" steel pipelines shall be installed to the proposed location. Refer to Topo Map D.

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:

Galletta Grass	10 lbs.
Needle and Thread Grass	15 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 15th – June 20th.

SAGE GROUSE: No drilling or construction from March 1st – June 30th.

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 #1122-4I
SECTION 4, 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 10.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.75 MILES.

Kerr-McGee Oil & Gas Onshore LP

BITTER CREEK #1122-4I

LOCATED IN UINTAH COUNTY, UTAH

SECTION 4, T11S, R22E, S.L.B.&M.

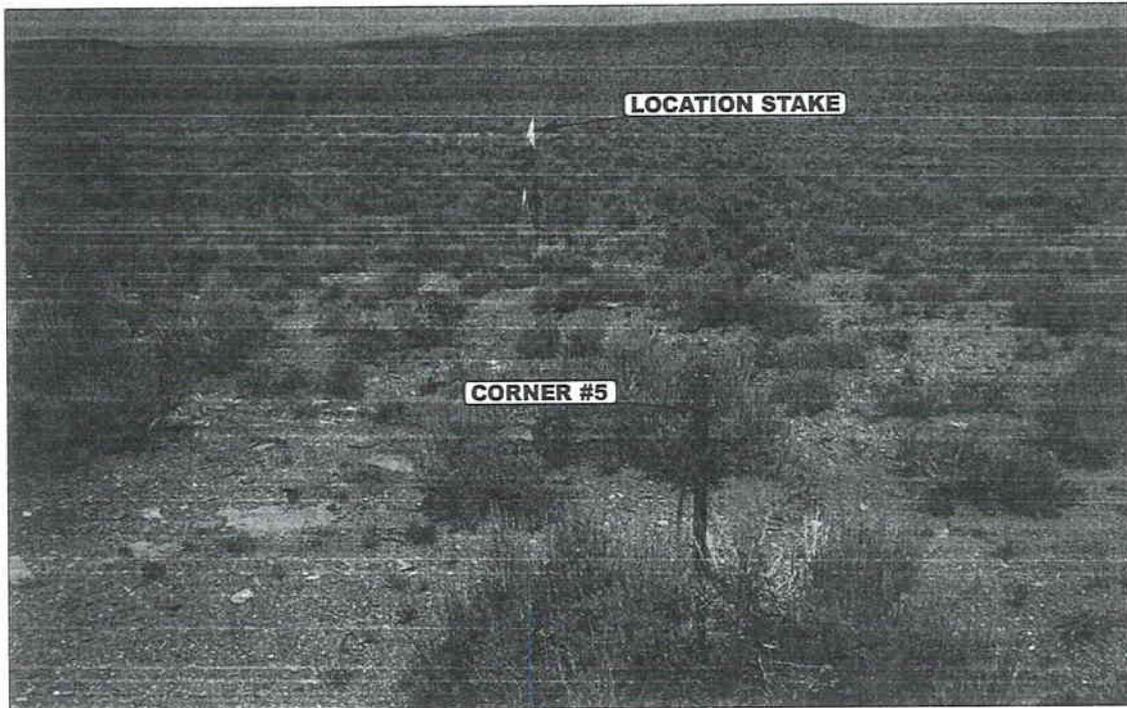


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



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

LOCATION PHOTOS

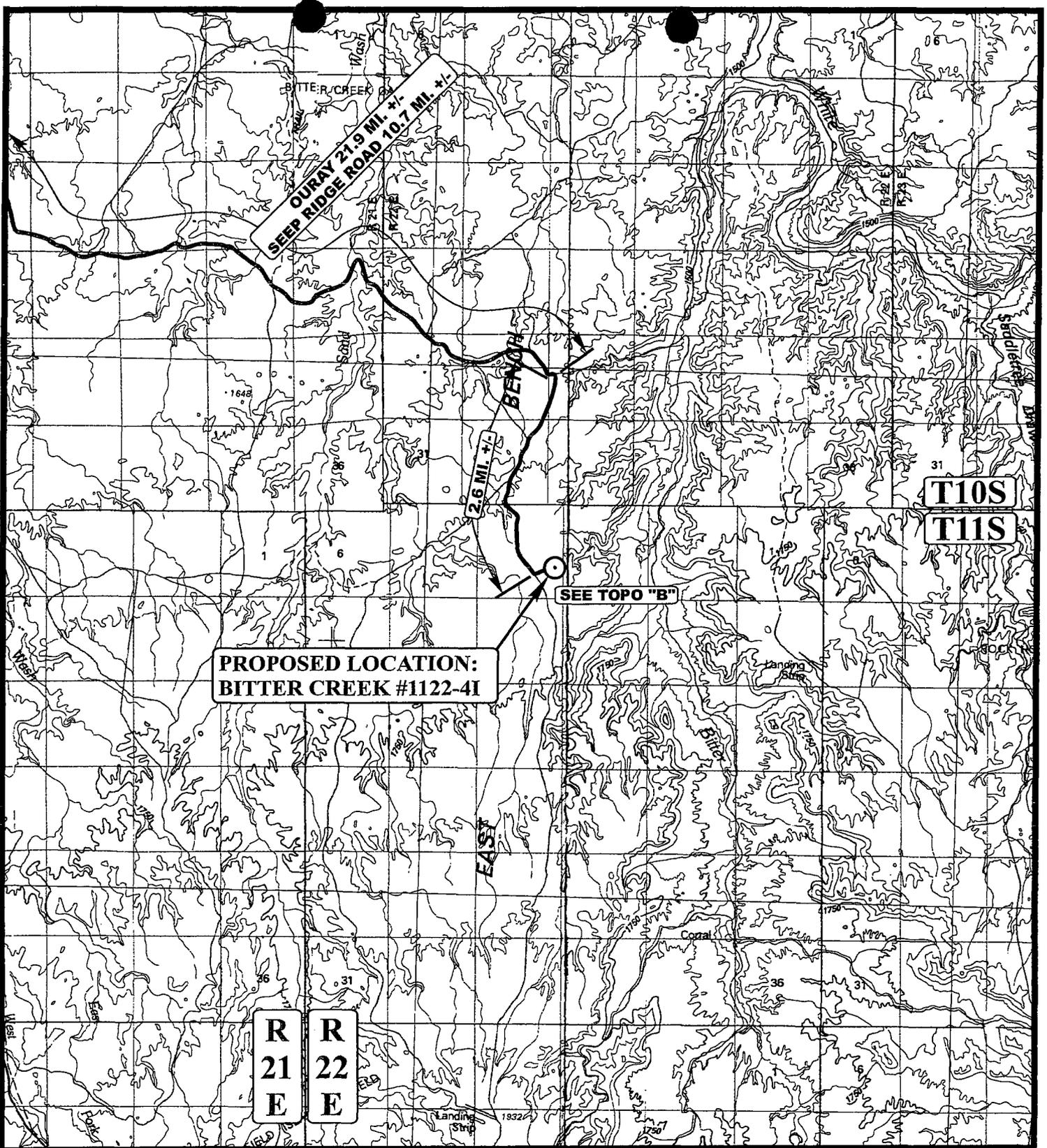
06 15 07
MONTH DAY YEAR

PHOTO

TAKEN BY: J.M.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

BITTER CREEK #1122-41
SECTION 4, T11S, R22E, S.L.B.&M.
1939' FSL 513' FEL



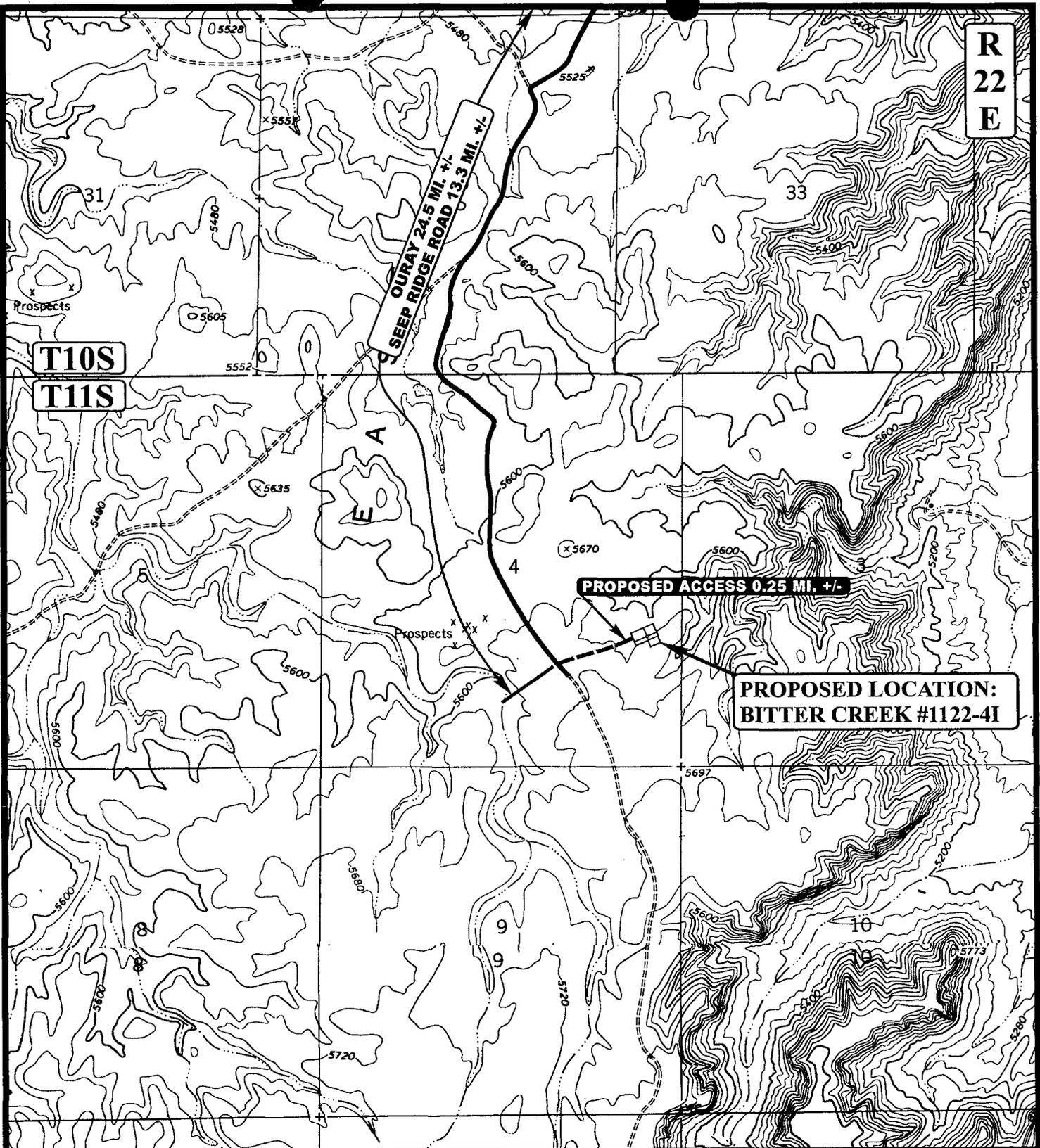
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06	15	07
MONTH	DAY	YEAR

SCALE: 1:100,000 **DRAWN BY: C.P.** **REVISED: 00-00-00**





**R
22
E**

**T10S
T11S**

**OURAY 24.5 MI. +/-
SEEP RIDGE ROAD 13.3 MI. +/-**

PROPOSED ACCESS 0.25 MI. +/-

**PROPOSED LOCATION:
BITTER CREEK #1122-4I**

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

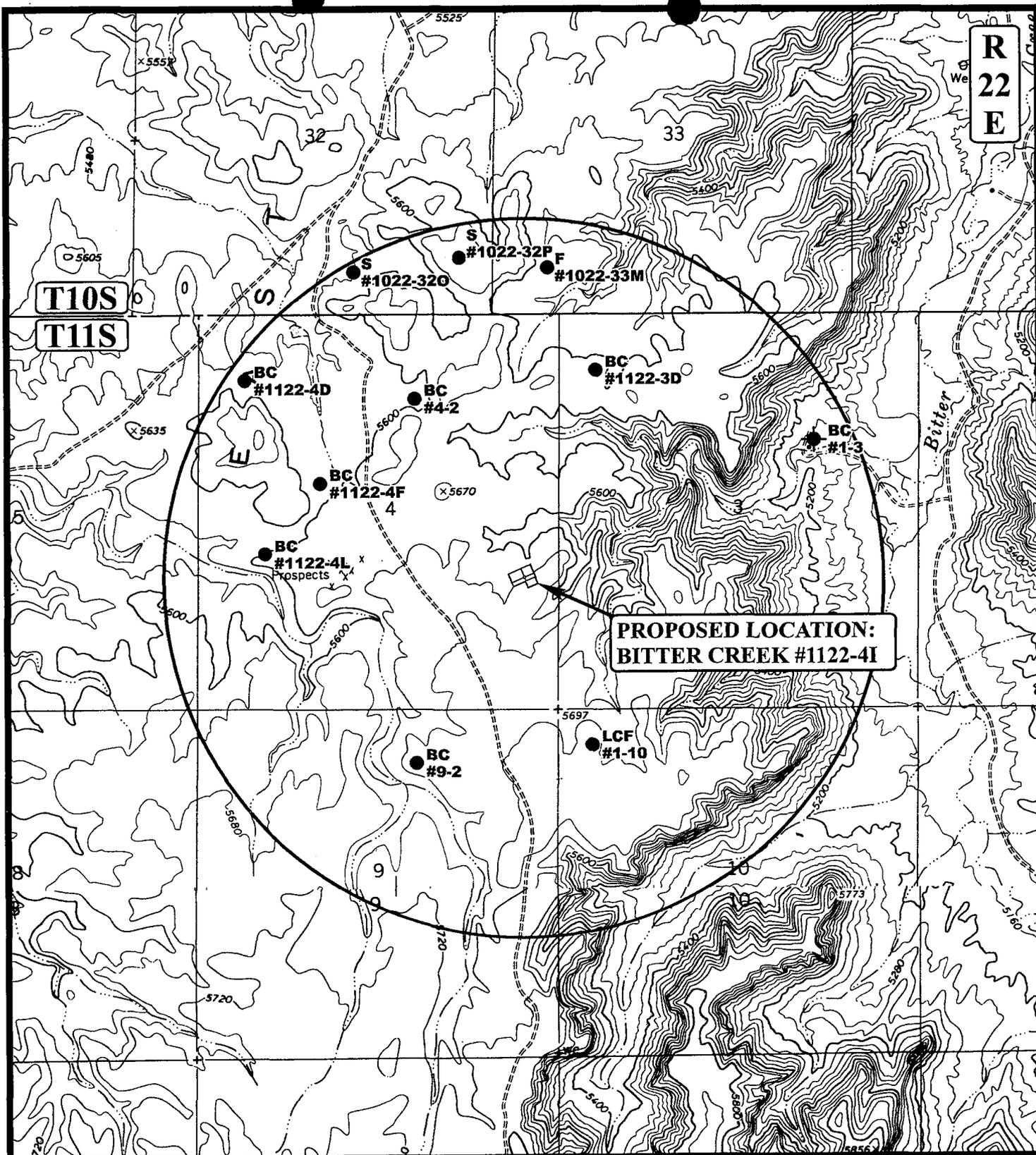


**Kerr-McGee Oil & Gas Onshore LP
BITTER CREEK #1122-4I
SECTION 4, T11S, R22E, S.L.B.&M.
1939' FSL 513' FEL**

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

TOPOGRAPHIC 06 15 07
MAP MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
TOPO



**PROPOSED LOCATION:
BITTER CREEK #1122-4I**

LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ♂ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



Kerr-McGee Oil & Gas Onshore LP

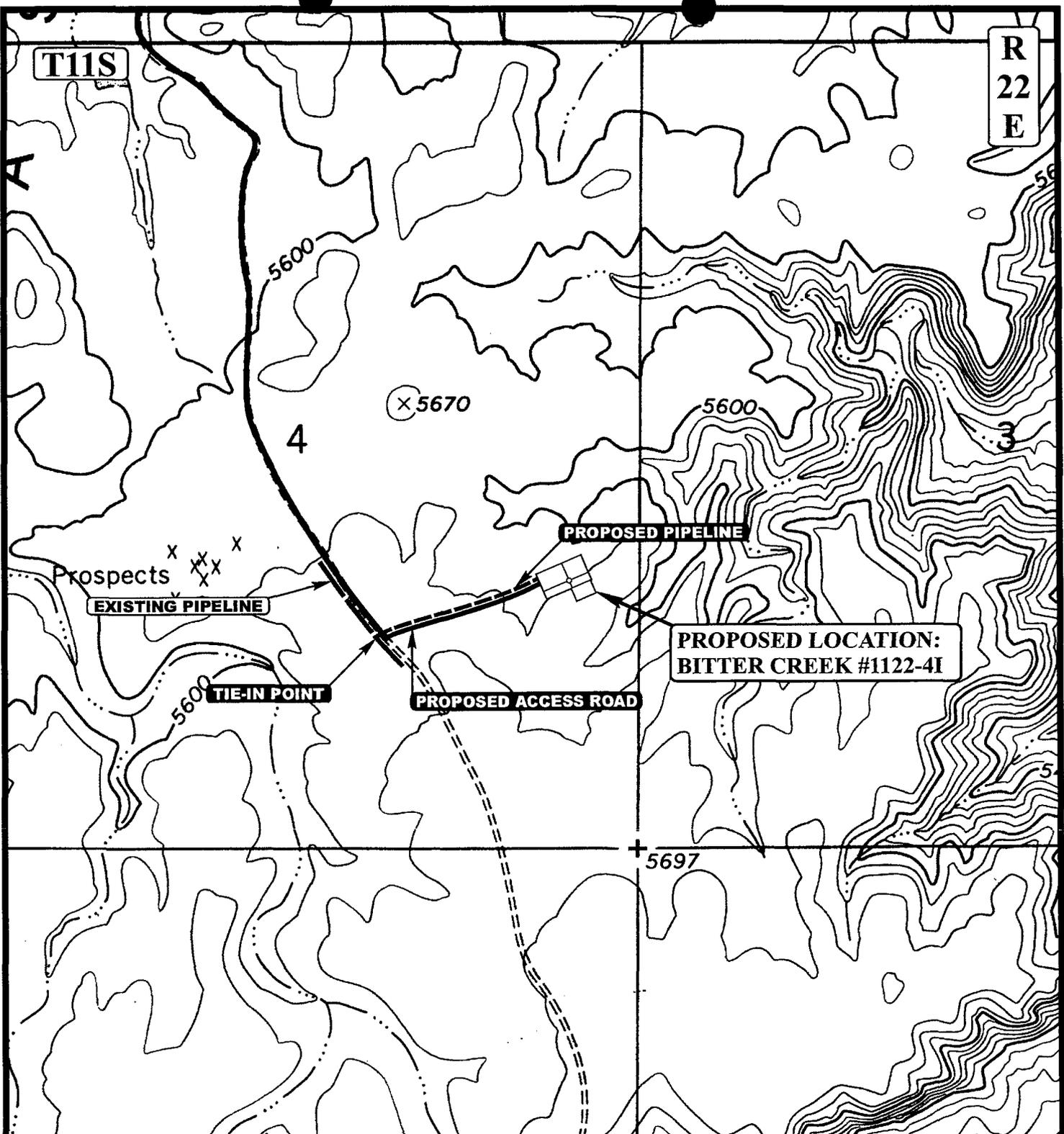
**BITTER CREEK #1122-4I
SECTION 4, T11S, R22E, S.L.B.&M.
1939' FSL 513' FEL**



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

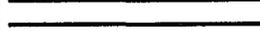
TOPOGRAPHIC 06 15 07
MAP MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,236' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE



Kerr-McGee Oil & Gas Onshore LP

BITTER CREEK #1122-4I
SECTION 4, T11S, R22E, S.L.B.&M.
1939' FSL 513' FEL



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

TOPOGRAPHIC
MAP

06	15	07
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



Kerr-McGee Oil & Gas Onshore LP
BITTER CREEK #1122-4I
 PIPELINE ALIGNMENT
 LOCATED IN UINTAH COUNTY, UTAH
 SECTION 4, T11S, R22E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: EASTERLY

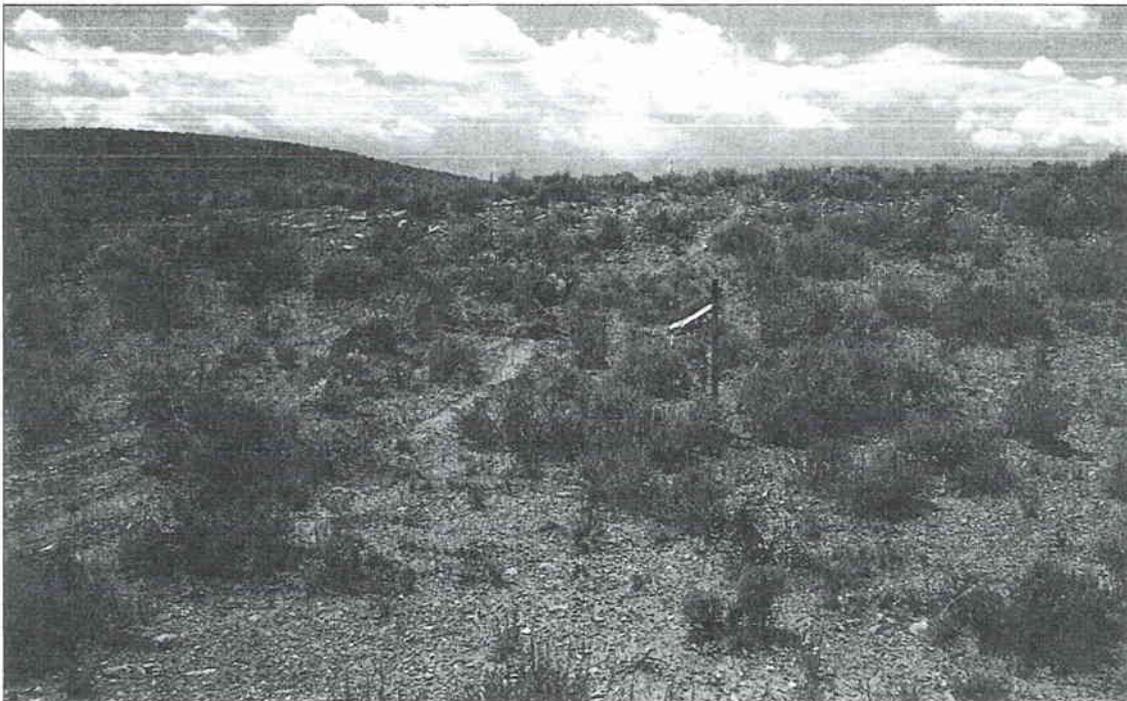


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: WESTERLY

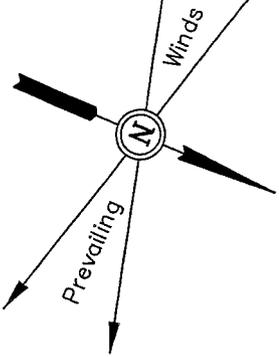


- Since 1964 -

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

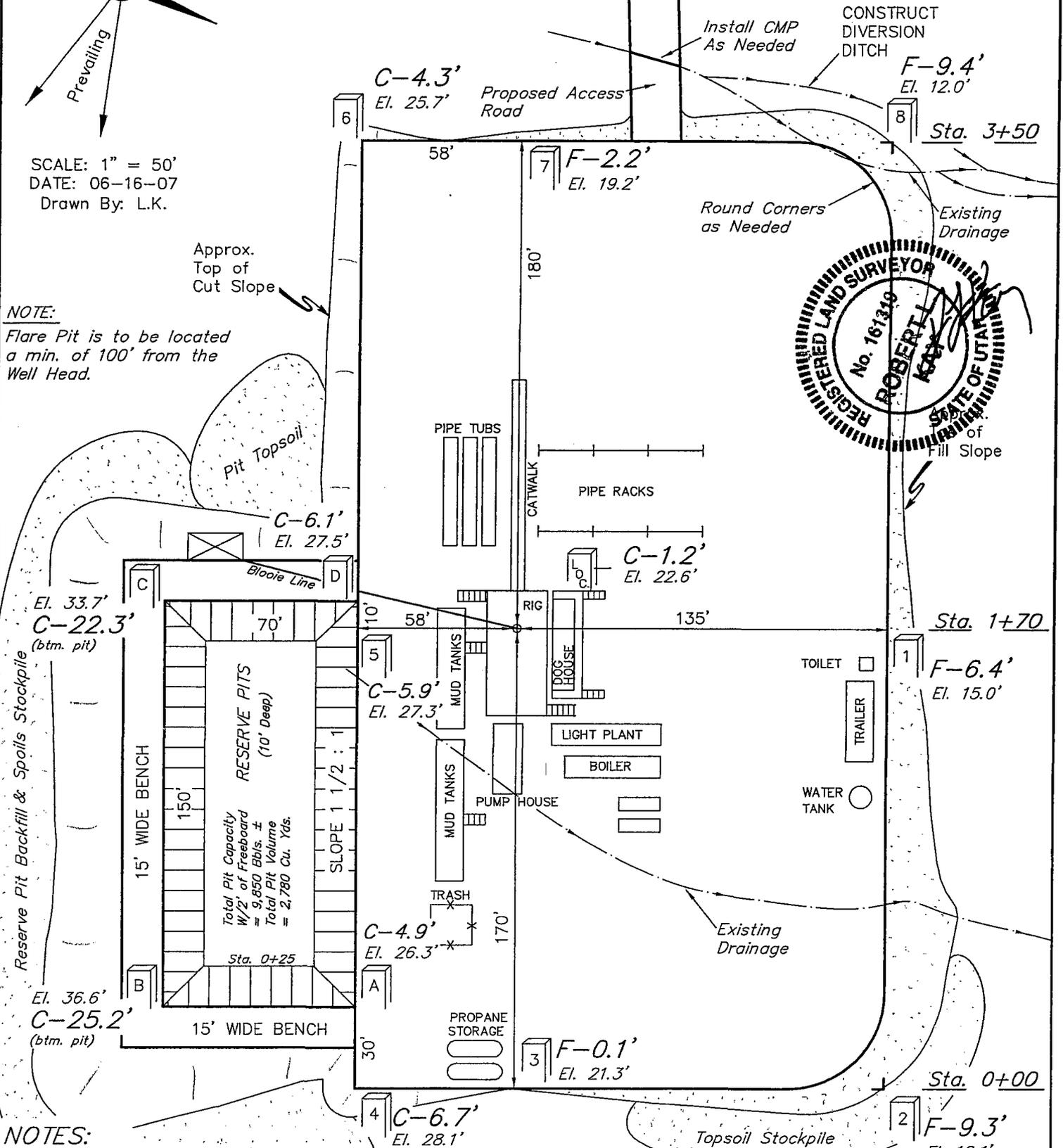
PIPELINE PHOTOS			06	15	07	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: J.M.	DRAWN BY: C.P.	REVISED: 00-00-00				

LOCATION LAYOUT FOR
BITTER CREEK #1122-4I
SECTION 4, T11S, R22E, S.L.B.&M.
1939' FSL 513' FEL



SCALE: 1" = 50'
DATE: 06-16-07
Drawn By: L.K.

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



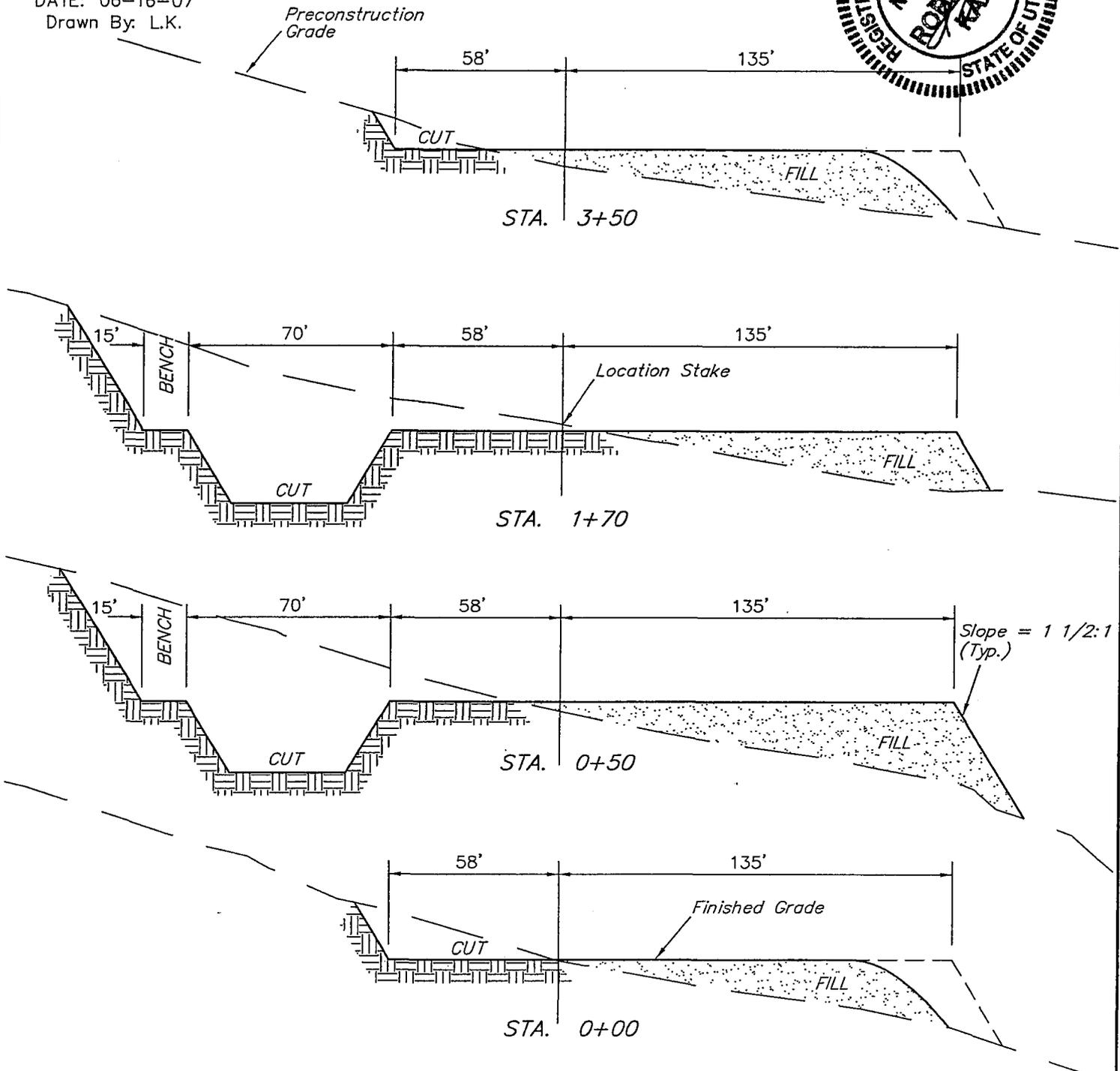
NOTES:
Elev. Ungraded Ground At Loc. Stake = 5622.6'
FINISHED GRADE ELEV. AT LOC. STAKE = 5621.4'

TYPICAL CROSS SECTIONS FOR
BITTER CREEK #1122-4I
SECTION 4, T11S, R22E, S.L.B.&M.
1939' FSL 513' FEL



1" = 20'
X-Section Scale
1" = 50'

DATE: 06-16-07
Drawn By: L.K.



APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,950 Cu. Yds.
Remaining Location	= 11,810 Cu. Yds.
TOTAL CUT	= 13,760 CU.YDS.
FILL	= 10,420 CU.YDS.

EXCESS MATERIAL	= 3,340 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,340 Cu. Yds.
EXCESS UNBALANCE (After interim Rehabilitation)	= 0 Cu. Yds.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/02/2007

API NO. ASSIGNED: 43-047-39756

WELL NAME: BITTER CREEK 1122-4I
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NESE 04 110S 220E
 SURFACE: 1939 FSL 0513 FEL
 BOTTOM: 1939 FSL 0513 FEL
 COUNTY: UINTAH
 LATITUDE: 39.88760 LONGITUDE: -109.4517
 UTM SURF EASTINGS: 632384 NORTHINGS: 4416220
 FIELD NAME: BITTER CREEK (547)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-71417
 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)

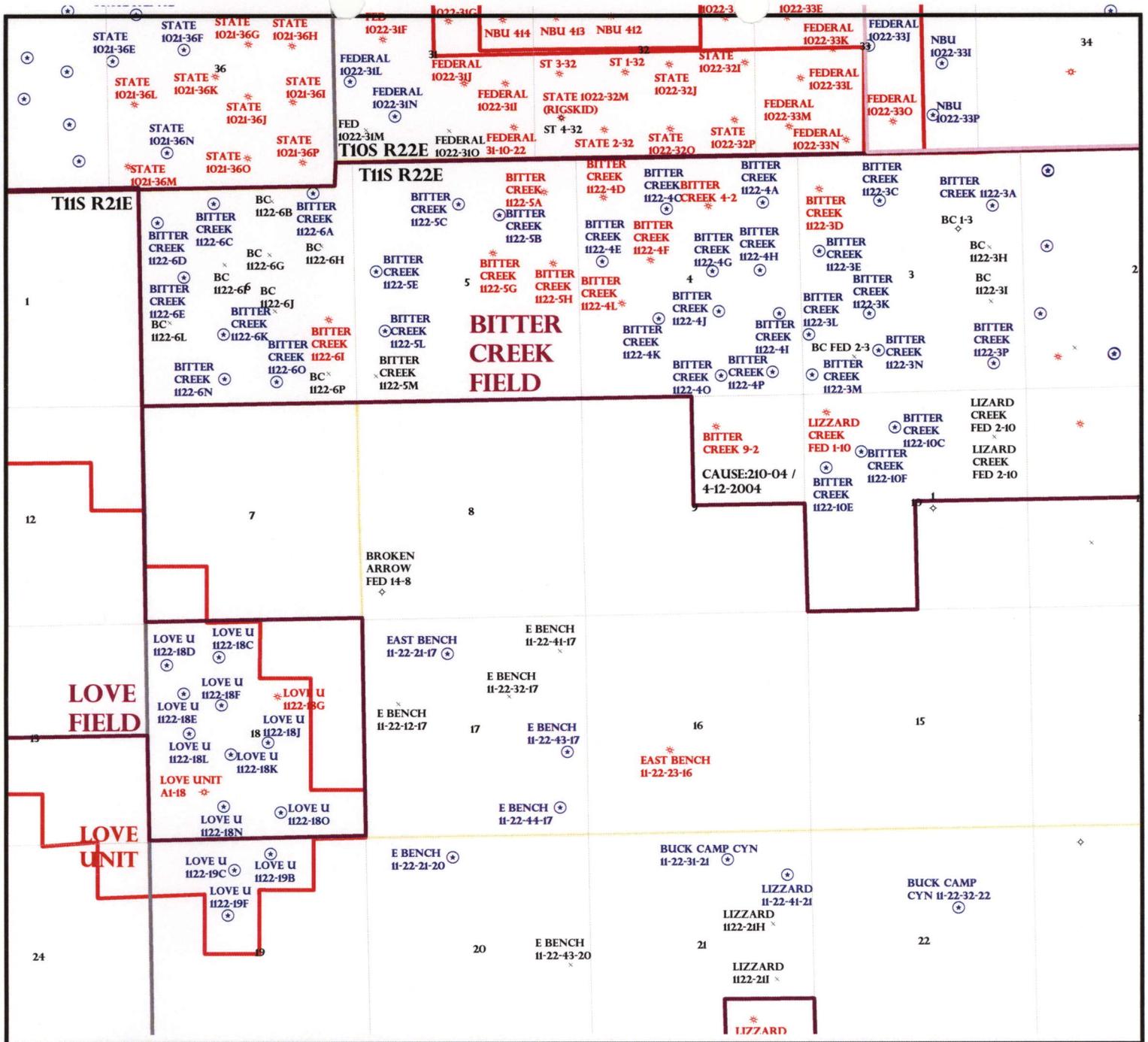
LOCATION AND SITING:

- _____ 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 qtr qtr 920' or other wells
- _____ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1- Surface 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



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

June 24, 2008

Robert L. Bayless, Producer LLC
C. Jay Muñoz
621 17th Street, Suite 2300
Denver, CO 80293

Re: Request for Consent to Exception Well Location
BITTER CREEK 1122-4I Well
Township 11 South, Range 22 East
Section 4: NESE
1,939' FSL, 513' FEL
Uintah County, Utah

Dear Mrs. Muñoz:

Kerr-McGee Oil & Gas Onshore LP has staked and proposes to drill the Bitter Creek 1122-4I well, an 8,900' Wasatch/Mesaverde formation test, located 1,939' FSL, 513' FEL (NESE) of Section 4-T11S-R22E, SLM, Uintah County, Utah. Enclosed is a copy of the survey plat along with a copy of a topo map depicting the proposed location of the subject well.

The State of Utah Board of Oil, Gas and Mining's Order in Bitter Creek 210-04 provides for termination of 320-acre spacing for Sections 1-17-11S-22E (now under Rule 649-3-2) for the development and production of gas and associated hydrocarbons from the Wasatch/Mesaverde formation and prescribes that the location of the permitted well in each drilling unit shall not be less than 460' from the exterior boundary of such drilling unit or 920' from a well producing from the same formation.

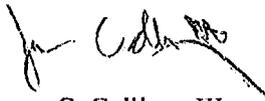
This well is at a legal location, however it is less than 920' from the Bitter Creek 1122-3L. The Bitter Creek 1122-3L is an exception to Statewide Spacing due to topography. Since the location of the subject well is not in compliance with this well siting order, Kerr-McGee Oil & Gas Onshore LP will request the Bureau of Land Management's administrative approval of such location as an exception location in accordance with General Rule R649-3-3. This rule requires Kerr-McGee Oil & Gas Onshore LP to obtain written consent from all owners of directly or diagonally offsetting drilling units.

If Robert L. Bayless, Producer LLC has no objections to Kerr-McGee Oil & Gas Onshore LP's drilling the subject well at the above-described exception location, Kerr-McGee Oil & Gas Onshore LP respectfully requests you indicate your approval by executing in the space provided below and returning two (2) originally executed copies to my attention.

If you have any questions or require any additional information, please do not hesitate to call the undersigned at 720-929-6698.

Sincerely,

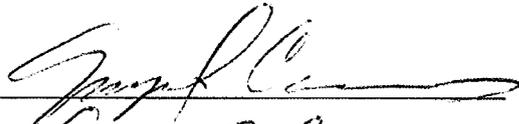
Kerr-McGee Oil & Gas Onshore LP



James C. Colligan III
Landman

Robert L. Bayless, Producer LLC consents to the above described exception location this

26th day of June, 2007.

By: 
Name: George F. Coryell
Title: Geologist



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

June 30, 2008

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

Re: Bitter Creek 1122-4I Well, 1939' FSL, 513' FEL, NE SE, Sec. 4, T. 11 South, R. 22 East, Uintah County, Utah

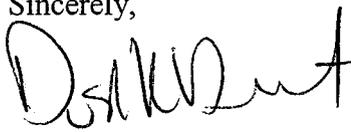
Gentlemen:

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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-39756.

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 1122-4I

API Number: 43-047-39756

Lease: UTU-71417

Location: NE SE **Sec.** 4 **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

OCT 31 2007

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: DRILL REENTER
b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

5. Lease Serial No.
UTU-71417

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
UTU-80666

8. Lease Name and Well No.
BITTER CREEK 1122-4I

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

9. API Well No.
43 047 39756

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 **NE/SE 1939'FSL, 513'FEL**

11. Sec., T., R., M., or Blk, and Survey or Area
SEC. 4, T11S, R22E

14. Distance in miles and direction from nearest town or post office*
38.05 +/- 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)
513'

16. No. of Acres in lease
1520.00

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
8210'

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5623'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:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 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.
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature: *[Signature]* Name (Printed/Typed) **SHEILA UPCHEGO** Date **10/30/2007**

Title **SENIOR LAND ADMIN SPECIALIST**

Approved by (Signature): *[Signature]* Name (Printed/Typed) **JERRY KENZELA** Date **7-14-2008**

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, if any, are attached. **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)

NOTICE OF APPROVAL

UDOGM

RECEIVED
JUL 18 2008
DIV. OF OIL, GAS & MINING

NOS: DF-05-2007
OAPP 2353A



**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	Location:	NESE, Sec. 4, T11S, R22E
Well No:	Bitter Creek 1122-4I	Lease No:	UTU-71417
API No:	43-047-39756	Agreement:	CA UTU-80666

Title	Name	Office Phone Number	Cell Phone Number
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 (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (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)***

Surface 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.

Site Specific COAs:

- 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 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	10 lbs. acre
Indian rice grass	Oryzopsis hymenoides	10 lbs. acre
Needle & Thread grass	Stipa comata	10 lbs. 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
 - a. Avoid constructing above ground powerlines, or other tall structures within two (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 CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- **Communitization Agreement UTU-80666, (S2NE, SE, Lots 1,2,7,8, Section 4, T11S, R22E) was approved to include only production from the WSTC-MSVD formation. Prior to well completion, approval by this office shall be required before production is established from any other formation(s).**
- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

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.
- 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.
- 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. 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 (¼¼, 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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L.P.**

Well Name: **BITTER CREEK 1122-4I**

Api No: **43-047-39756** Lease Type: **FEDERAL**

Section **04** Township **11S** Range **22E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **RATHOLE**

SPUDDED:

Date **11/04/08**

Time **7:00 AM**

How **DRY**

Drilling will Commence:

Reported by **LEW WELDON**

Telephone # **(435) 828-7035**

Date **11/04/08** Signed **CHD**

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

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
 Address: 1368 SOUTH 1200 EAST
 city VERNAL
 state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304740169	NBU 921-261T	NESE	26	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
B	99999	2900	11/4/2008		11/10/08	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/4/2008 AT 1030 HRS.						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739756	BITTER CREEK 1122-41	NESE	4	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
A	99999	17187	11/4/2008		11/10/08	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/4/2008 AT 0700 HRS.						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739791	NBU 922-18K2	NESW	18	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
B	99999	2900	11/3/2008		11/10/08	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/3/2008 AT 1100 HRS.						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

11/5/2008

Date

(5/2000)

RECEIVED

NOV 05 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.
UTU-71417

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
BITTER CREEK 1122-4I

9. API Well No.
~~4304739456~~ **43-047-39756**

10. Field and Pool, or Exploratory Area
BITTER CREEK

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1939' FSL, 513' FEL
NE/SE, SEC.4, T11S-R22E**

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recalculate
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other WELL SPUD

13. Describe Proposed or Completed Operations (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 recompleat 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 recompleat 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 11/4/2008 AT 0700 HRS.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature <i>Sheila Upchego</i>	Date November 5, 2008

THIS SPACE FOR FEDERAL OR STATE 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, 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 12 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
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.
UTU-71417

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
UTU-80666

8. Well Name and No.
BITTER CREEK 1122-41

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

9. API Well No.
4304739756

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

3b. Phone No. (include area code)
435.781.7024

10. Field and Pool or Exploratory Area
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE/SE SEC. 4, T11S, R22E 1939FSL, 513FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE 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 <u>SET SURFACE</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>CSG</u>
	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 11/18/2008. DRILLED 12 1/4" SURFACE CSG. LEAD CMT W/150 SX HIFILL CLASS G @11.0PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH JOB CMT TO SURFACE 500 PSI LIFT. RAN 100' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

RECEIVED

DEC 08 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed)
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature 

Date 11/26/2008

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.

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.
UTU71417

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.

8. Well Name and No.
BITTER CREEK 1122-41

9. API Well No.
43-047-39756

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE L

Contact: SHEILA UPCHEGO
Email: sheila.upchego@anadarko.com

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 4 T11S R22E NESE 1939FSL 513FEL

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	Suspension of Operations and/or Production
	<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.)

THE OPERATOR REQUESTS AUTHORIZATION TO SUSPEND THE DRILLING OPERATIONS. THE OPERATOR HAS SET SURFACE CSG TO 1870'. AT THIS TIME THE SUBJECT WELL LOCATION IS ON OUR DRILLING SCHEDULE TO BE DRILLED BETWEEN THE 4TH QUARTER OF 2009 OR 1ST QUARTER OF 2010.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #67837 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 *[Handwritten Signature]* Date 03/05/2009

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
MAR 09 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71417
SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: BITTER CREEK 1122-4I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047397560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1939 FSL 0513 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 04 Township: 11.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: BITTER CREEK COUNTY: UINTAH STATE: UTAH

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 Approximate date work will start: 11/13/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT 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 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 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 checked="" type="checkbox"/> OTHER	OTHER: OPERATIONS SUSPEN

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

THE OPERATOR REQUESTS AUTHORIZATION TO SUSPEND THE DRILLING OPERATIONS. THE OPERATOR HAS SET SURFACE CASING TO 1870'. AT THIS TIME THE SUBJECT WELL LOCATION IS ON OUR DRILL SCHEDULE TO BE DRILLED BY FOURTH QUARTER 2010.

REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Date: November 16, 2009
 By: *Derek [Signature]*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/12/2009	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047397560000

See requirements of R649-3-36.

REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Date: November 16, 2009
By: *Dan K. Quist*

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71417
---	--

SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: BITTER CREEK 1122-4I
------------------------------------	---

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047397560000
---	---

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

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1939 FSL 0513 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 04 Township: 11.0S Range: 22.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
---	---

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 Approximate date work will start: 12/18/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:

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

The Operator requests authorization to Temporarily Abandon and defer drilling operations on this well. Current status of this wellbore is: The 9 5/8" surface casing for this well was set and cemented in place on 11/21/2008 to a depth of 1870' feet. The casing was run with a float collar approximately 42' above the guide shoe. Cement was circulated down the casing with the wiper plug bumped with 500 psi over circulating pressure. Cement was circulated to surface up the backside and topped off with cement down the backside to ensure complete fill up of the annulus to surface. The well has been inspected in the last month to ensure well integrity. Covers have been installed on the well, the cellar rings and pits have been backfilled. This well is on the drill schedule to be drilled by the end of the year 2010.

Accepted by the Utah Division of Oil, Gas and Mining

Date: December 17, 2009

By: *Dart K. Lytle*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/17/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71417
SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: BITTER CREEK 1122-4I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047397560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1939 FSL 0513 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 04 Township: 11.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: BITTER CREEK COUNTY: UINTAH STATE: 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 Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/22/2010	<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 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.

FINISHED DRILLING FROM 1870' TO 8430' ON JULY 20, 2010. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 445 SX CLASS G PREM LITE @ 12.0 PPG, 2.3 YD. TAILED CEMENT W/ 1060 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YD. DISPLACED W/ 129.4 BBLS CLAYTREAT WATER. FINAL LIFT 2410 PSI. BUMPED PLUG @ 3037 PSI 7 BBLS LEAD BACK TO SURFACE, FULL RETURNS THROUGHOUT JOB. EST. TOP OF TAIL @ 3109'. RD CEMENTERS AND CLEANED PITS. RELEASED PIONEER RIG #69 ON JULY 22, 2010 @ 22:00 HRS.

Accepted by the
Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
 July 26, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/23/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71417
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SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: BITTER CREEK 1122-4I
------------------------------------	---

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047397560000
---	---

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

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1939 FSL 0513 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 04 Township: 11.0S Range: 22.0E Meridian: S	COUNTY: UINTAH STATE: 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 Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/7/2010	<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: <input style="width: 100px;" type="text"/>

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON AUGUST 7, 2010 AT 12:20 P.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 August 11, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/10/2010	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU71417

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

2. Name of Operator **KERR-MCGEE OIL&GAS ONSHORE** Contact: **ANDY LYTLE**
 Email: **andrew.lytle@anadarko.com**

3. Address **P.O. BOX 173779 DENVER, CO 80217** 3a. Phone No. (include area code)
 Ph: **720-929-6100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **NESE 1939FSL 513FEL 39.88761 N Lat, 109.45241 W Lon**
 At top prod interval reported below **NESE 1939FSL 513FEL 39.88761 N Lat, 109.45241 W Lon**
 At total depth **1826 FSL 0435 FEL NESE 1939FSL 513FEL 39.88761 N Lat, 109.45241 W Lon**

6. If Indian, Allottee or Tribe Name _____
 7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No.
BITTER CREEK 1122-41

9. API Well No. **43-047-39756**

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
 or Area **Sec 4 T11S R22E Mer SLB**

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

14. Date Spudded **11/04/2008** 15. Date T.D. Reached **07/20/2010** 16. Date Completed
 D & A Ready to Prod. **08/07/2010**

17. Elevations (DF, KB, RT, GL)*
5623 GL

18. Total Depth: MD **8430** TVD **8428** 19. Plug Back T.D.: MD **8382** TVD **8380** 20. Depth Bridge Plug Set: MD **8380** TVD **8380**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 GR/CBL-HDIL/ZDL/CN/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 J55	36.0		1852		575			
7.875	4.500 180	11.6		8426		1505			

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	7549							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6184	6190	6184 TO 6190	0.360	24	OPEN
B) MESAVERDE	6733	8336	6733 TO 8336	0.360	117	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
6184 TO 6190	PUMP 510 BBLs SLICK H2O & 17,317 LBS 30/50 SAND.
6733 TO 8336	PUMP 4,132 BBLs SLICK H2O & 151,009 LBS 30/50 SAND.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/07/2010	08/10/2010	24	→	0.0	1270.0	360.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	SI 700	1400.0	→	0	1270	360		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
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #92299 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECEIVED

SEP 09 2010

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	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 →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	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 →	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	881		TD		
BIRD'S NEST	1196				
MAHOGANY	1601				
WASATCH	3887	6336			
MESAVERDE	6336	8430			

32. Additional remarks (include plugging procedure):

ATTACHED IS THE DRILLING/COMPLETION CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

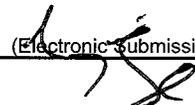
33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 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 #92299 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (please print) ANDY LYTLE Title REGULATORY ANALYST

Signature  (Electronic Submission) Date 09/03/2010

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.

1 General**1.1 Customer Information**

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	BITTER CREEK 1122-4I	Wellbore No.	OH
Well Name	BITTER CREEK 1122-4I	Common Name	BITTER CREEK 1122-4I
Project	UTAH-UINTAH	Site	BITTER CREEK 1122-4I
Vertical Section Azimuth	0.00 (°)	North Reference	True
Origin N/S	0.0 (ft)	Origin E/W	0.0 (ft)
Spud Date	11/18/2008	UWI	4-11S-22E
Active Datum	RKB @5,641.00ft (above Mean Sea Level)		

2 Survey Name**2.1 Survey Name: Survey #1**

Survey Name	Survey #1	Company	SCIENTIFIC
Started	7/15/2010	Ended	
Tool Name	MWD	Engineer	MARGARITO ARCHELETA

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.00	0.00	0.00	0.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
7/15/2010	Tie On	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2010	NORMAL	1,928.00	1.59	151.02	1,927.75	-23.40	12.96	-23.40	0.08	0.08	0.00	151.02
	NORMAL	2,254.00	0.39	211.76	2,253.70	-28.30	14.57	-28.30	0.44	-0.37	18.63	166.33
7/17/2010	NORMAL	2,601.00	0.86	207.59	2,600.68	-31.61	12.74	-31.61	0.14	0.14	-1.20	-7.62
	NORMAL	2,885.00	0.96	212.80	2,884.65	-35.50	10.46	-35.50	0.05	0.04	1.83	42.23
	NORMAL	3,202.00	0.51	121.25	3,201.63	-38.47	10.23	-38.47	0.35	-0.14	-28.88	-152.36
	NORMAL	3,518.00	1.24	159.22	3,517.59	-42.39	12.65	-42.39	0.28	0.23	12.02	58.50
	NORMAL	3,831.00	0.76	154.12	3,830.54	-47.43	14.75	-47.43	0.16	-0.15	-1.63	-172.04
	NORMAL	4,147.00	0.67	145.02	4,146.52	-50.83	16.73	-50.83	0.05	-0.03	-2.88	-132.89
	NORMAL	4,423.00	0.84	143.88	4,422.49	-53.78	18.85	-53.78	0.06	0.06	-0.41	-5.62
	NORMAL	4,778.00	0.64	160.76	4,777.46	-57.76	21.03	-57.76	0.08	-0.06	4.75	140.77
	NORMAL	5,094.00	0.84	137.04	5,093.44	-61.12	23.19	-61.12	0.11	0.06	-7.51	-69.10
7/18/2010	NORMAL	5,378.00	1.24	139.38	5,377.39	-64.97	26.61	-64.97	0.14	0.14	0.82	7.23
	NORMAL	5,726.00	1.39	149.35	5,725.30	-71.46	31.22	-71.46	0.08	0.04	2.86	61.80
	NORMAL	6,043.00	1.30	168.13	6,042.21	-78.29	33.92	-78.29	0.14	-0.03	5.92	110.83
	NORMAL	6,357.00	0.77	152.93	6,356.16	-83.65	35.61	-83.65	0.19	-0.17	-4.84	-160.07
7/19/2010	NORMAL	6,673.00	1.64	125.07	6,672.09	-88.14	40.28	-88.14	0.32	0.28	-8.82	-48.42
	NORMAL	6,990.00	0.79	106.56	6,989.02	-91.37	46.08	-91.37	0.29	-0.27	-5.84	-164.28
	NORMAL	7,304.00	1.37	138.42	7,302.96	-94.80	50.65	-94.80	0.26	0.18	10.15	62.67
	NORMAL	7,622.00	1.07	130.09	7,620.89	-99.55	55.44	-99.55	0.11	-0.09	-2.62	-153.53
	NORMAL	7,935.00	1.87	118.71	7,933.79	-103.89	62.16	-103.89	0.27	0.26	-3.64	-25.80

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
7/20/2010	NORMAL	8,252.00	2.29	118.37	8,250.58	-109.38	72.27	-109.38	0.13	0.13	-0.11	-1.85
	NORMAL	8,332.00	2.29	125.62	8,330.51	-111.07	74.97	-111.07	0.36	0.00	9.06	93.62
	NORMAL	8,430.00	2.29	125.62	8,428.43	-113.35	78.16	-113.35	0.00	0.00	0.00	0.00
	NORMAL	8,430.00	2.29	125.62	8,428.43	-113.35	78.16	-113.35	0.00	0.00	0.00	0.00

US ROCKIES REGION
Operation Summary Report

Well: BITTER CREEK 1122-4I Spud Conductor: 11/4/2008 Spud Date: 11/18/2008
 Project: UTAH-UINTAH Site: BITTER CREEK 1122-4I Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 10/2/2008 End Date: 7/22/2010
 Active Datum: RKB @5,641.00ft (above Mean Sea Leve) UWI: 4-11S-22E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/18/2008	19:00 - 0:00	5.00	DRLSUR	02	A	P		MIRU, AIR SPUD 21:30 DRILL TO 360'
11/19/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 880'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 1110'
11/20/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1550'
	12:00 - 20:00	8.00	DRLSUR	02		P		RIG T/D @ 1870' CONDITION HOLE 1 HR
	20:00 - 23:00	3.00	DRLSUR	06		P		TRIP DP OUT OF HOLE
	23:00 - 0:00	1.00	DRLSUR	12		P		RIG UP AND START 9 5/8 CSG
11/21/2008	0:00 - 2:00	2.00	DRLSUR	12	A	P		FINISH RUNNING 9 5/8 CSG AND RUN 100' OF 1" PIPE RIG DOWN AIR RIG
	2:00 - 3:00	1.00	DRLSUR	12	B	P		CEMENT 1ST STAGE WITH 150 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 NO CMT TO SURFACE 500 PSI LIFT
	3:00 - 3:30	0.50	DRLSUR	12	B	P		1ST TOP JOB 125 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
	3:30 - 5:30	2.00	DRLSUR	12	B	P		2ND TOP JOB 100 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	5:30 - 5:30	0.00	DRLSUR	01	E	P		NO VISIBLE LEAKS PIT 30% FULL WORT
7/14/2010	18:00 - 0:00	6.00	DRLPRO	01	E	P		RDRT / OVERHEAD INSPECTIONS TONGS NEED REPLACED INSPECTED THE BHA
7/15/2010	0:00 - 7:00	7.00	DRLPRO	01	E	P		RDRT AND WAIT FOR DAYLIGHT TO MOVE
	7:00 - 10:00	3.00	DRLPRO	01	A	P		RD LOAD OUT EQUIPMENT AND MOVE TO THE BITTER CREEK 1122-4I. TRUCKS/CRANE ARRIVED @ 06:45 FOR SM STARTED WORK @ 07:00
	10:00 - 21:00	11.00	DRLPRO	01	B	P		RURT, SET IN BACK YARD, RAISE THE SUB AND DERRICK, RUN ELECTRIC, RU PUMPS/PITS, RU THE FLOOR AND FLARE LINE. CRANE RELEASED @ 11:30 TRUCKS RELEASED @ 12:30. 6 TRUCKS/1 FORKLIFT/ 2 SWAMPERS/ AND 1 SUPERVISOR. 1/4 MILE MOVE
	21:00 - 0:00	3.00	DRLPRO	14	A	P		NU THE BOP AND CHOKE MANIFOLD
7/16/2010	0:00 - 2:30	2.50	DRLPRO	15	A	P		TESTED THE UPPER/LOWER KELLY VALVES, FLOOR VALVE, PIPE RAMS, INSIDE BOP VALVES, OUTSIDE BOP VALVES, KILL LINE, BLIND RAMS, CHOKE MANIFOLD VALVES TO 250 PSI/5 MIN. 5000 PSI/10 MIN. TESTED THE ANNULAR TO 250 PSI/5 MIN AND 2500 PSI/ 10 MIN.. TESTED THE SURFACE CASING TO 1500 PSI/30 MIN.
	2:30 - 6:30	4.00	DRLPRO	06	A	P		RU KIMSEY, PU THE BHA AND DP TIH, RD KIMSEY.
	6:30 - 7:00	0.50	DRLPRO	14	B	P		INSTALLED THE ROTATING HEAD AND DRIVE BUSHINGS
	7:00 - 8:30	1.50	DRLPRO	08	A	Z		RIG REPAIR. WORKED ON KELLY SPINNERS
	8:30 - 11:00	2.50	DRLPRO	02	F	P		DRILLED CEMENT AND FLT EQUIP. TAGGED CEMENT AT 1755' TO 1888
	11:00 - 13:00	2.00	DRLPRO	02	B	P		DRILLING F/ 1888' - 1978' 90/2 HR 45'/HR
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:30 - 16:00	2.50	DRLPRO	06	A	P		TOH TO PU DIRECTIONAL TOOLS
	16:00 - 18:00	2.00	DRLPRO	06	A	P		PU A PDC BIT DIRECTIONAL TOOLS AND SCRIBED THE BHA
	18:00 - 19:00	1.00	DRLPRO	06	A	P		TIH TO 1912'
	19:00 - 20:30	1.50	DRLPRO	09	A	P		SLIP AND CUT 125' OF DRLG LINE.

**US ROCKIES REGION
Operation Summary Report**

Well: BITTER CREEK 1122-4I Spud Conductor: 11/4/2008 Spud Date: 11/18/2008
 Project: UTAH-UINTAH Site: BITTER CREEK 1122-4I Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 10/2/2008 End Date: 7/22/2010
 Active Datum: RKB @5,641.00ft (above Mean Sea Level) UWI: 4-11S-22E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRILLING 1978' - 2279, 301/3.5 HR, 86'/HR,SLID 10' @ 330 AZM. MMRPM/95, ROTARY RPM/50, 120SPM/454GPM, 890 PS/OFF BOTTOM, 1085 PS/OFF BOTTOM, 200# DIFF
7/17/2010	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILLING 2279' - 2943', 664/6 HR, 110.7'/HR, MMRPM/95, ROTARY RPM/50, SLID 10' @ 330 AZM. 120SPM/454GPM, 900 PS/OFF BOTTOM, 1200 PS/OFF BOTTOM, 250 - 350# DIFFPU/SO/ROT 87/75/85, WATER
	6:00 - 11:30	5.50	DRLPRO	02	B	P		DRILLING 2943' - 3701', 758/5.5 HR, 137.8'/HR, MMRPM/95, ROTARY RPM/50,SLID 6' @ 330 AZM. 120SPM/454GPM, 950 PS/OFF BOTTOM, 1280 PS/OFF BOTTOM, 250 - 350# DIFFPU/SO/ROT 95/85/90, WATER
	11:30 - 12:00	0.50	DRLPRO	07	A	P		RIG SERVICE / WORKED THE PIPE RAMS AND ANNULAR
	12:00 - 0:00	12.00	DRLPRO	02	B	P		DRILLING 3701' - 5153', 1452/12 HR, 121'/HR, MMRPM/95, ROTARY RPM/50,SLID 5' @ 330 AZM. 120SPM/454GPM, 1050 PS/OFF BOTTOM, 1375 PS/OFF BOTTOM, 250 - 350# DIFFPU/SO/ROT 125/100/120, WATER
7/18/2010	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILLING 5153' - 5658' , 505/6 HR, 84.2'/HR, MMRPM/95, ROTARY RPM/50, 120SPM/454GPM, 1100 PS/OFF BOTTOM, 1375 PS/OFF BOTTOM, 250 - 350# DIFFPU/SO/ROT 133/110/128, WATER LIGHT SEEPING SOME SHALE SLOUGHING
	6:00 - 12:30	6.50	DRLPRO	02	B	P		DRILLING 5658' - 6037' , 379/6.5 HR, 58.3'/HR, MMRPM/95, ROTARY RPM/50, SLID 6' @ 350 AZM. 120SPM/454GPM, 1400 PS/OFF BOTTOM, 1675 PS/OFF BOTTOM, 250 - 350# DIFFPU/SO/ROT 140/115/132, 33 VIS 9.5 WT. STARTED A LIGHT MUD UP @ 5700' SIGNS OF SLOUGHING SHALE
	12:30 - 13:00	0.50	DRLPRO	07	A	P		RIG SERVICE / WORK PIPE RAMS AND ANNULAR
	13:00 - 13:30	0.50	DRLPRO	21	D	Z		WORKING ON THE WILDCAT AUTO DRILL
	13:30 - 0:00	10.50	DRLPRO	02	B	P		DRILLING 6037' - 6669' ,632' /10.5 HR, 60.2'/HR, MMRPM/95, ROTARY RPM/50, SLID 8' @ 330 AZM. 120SPM/454GPM, 1730 PS/OFF BOTTOM, 1975 PS/OFF BOTTOM, 250 - 300# DIFFPU/SO/ROT 150/125/137, 36 VIS 10.2 WT.
7/19/2010	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILLING 6669' - 7016 ,347' /6 HR, 57.8'/HR, MMRPM/95, ROTARY RPM/50, SLID 13' @ 270 AZM. 120SPM/454GPM, 1880 PS/OFF BOTTOM, 2150 PS/OFF BOTTOM, 250 - 300# DIFFPU/SO/ROT 153/128/140, 37 VIS 10.4 WT.
	6:00 - 12:30	6.50	DRLPRO	02	B	P		DRILLING 7016' -7521' ,505' /6.5 HR, 77.7'/HR, MMRPM/95, ROTARY RPM/50, 120SPM/454GPM, 2050 PS/OFF BOTTOM, 2380 PS/OFF BOTTOM, 250 - 350# DIFFPU/SO/ROT 160/135/150, 38 VIS 10.8 WT.
	12:30 - 13:00	0.50	DRLPRO	07	A	P		RIG SERVICE/ WORK PIPE RAMS AND ANNULAR
	13:00 - 0:00	11.00	DRLPRO	02	B	P		DRILLING 7521' - 8166' ,645' /11 HR, 58.6'/HR, MMRPM/95, ROTARY RPM/50, 120SPM/454GPM, 2150 PS/OFF BOTTOM, 2575 PS/OFF BOTTOM, 300 - 400# DIFF, PU/SO/ROT 165/138/155, 40 VIS 11.2 WT.
7/20/2010	0:00 - 4:00	4.00	DRLPRO	02	B	P		DRILLING 8166' - 8430' ,264' /4 HR, 66'/HR, MMRPM/95, ROTARY RPM/50, 120SPM/454GPM, 2175 PS/OFF BOTTOM, 2625 PS/OFF BOTTOM, 300 - 450# DIFF, PU/SO/ROT 170/140/160, 42 VIS 11.5 WT. TD @ 04:00 7/20/2010
	4:00 - 5:30	1.50	DRLPRO	05	C	P		CIRC. / COND. F/ WIPER TRIP

US ROCKIES REGION
Operation Summary Report

Well: BITTER CREEK 1122-4I		Spud Conductor: 11/4/2008		Spud Date: 11/18/2008	
Project: UTAH-UINTAH		Site: BITTER CREEK 1122-4I		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 10/2/2008		End Date: 7/22/2010	
Active Datum: RKB @5,641.00ft (above Mean Sea Leve			UWI: 4-11S-22E		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/21/2010	5:30 - 8:30	3.00	DRLPRO	06	E	P		WIPER TRIP TO 3291' TIGHT SPOTS @ 6536 - 6595, 6280' - 6406', 5858' - 5900'.
	8:30 - 15:30	7.00	DRLPRO	08	A	Z		RIG REPAIR. REPLACE A BAD DRAWWORKS CLUTCH ON #2
	15:30 - 20:30	5.00	DRLPRO	06	E	P		PUMP A PILL TOH. LD MWD TOOLS & MUD MOTOR
	20:30 - 0:00	3.50	DRLPRO	06	E	P		TIH BROKE CIRC @ THE SHOE AND 5500'
	0:00 - 1:30	1.50	DRLPRO	06	E	P		FINISH TIH
	1:30 - 3:00	1.50	DRLPRO	03	D	P		WASH 130' TO BOTTOM , 8' OF FILL
	3:00 - 4:30	1.50	DRLPRO	05	C	P		CIRC & COND ,BUILD VOLUME (50 BBLS) ,PUMP PILL
	4:30 - 9:30	5.00	DRLPRO	06	A	P		TOOH F/ LOGS, TIGHT F/ 6434' TO 6225' & 4800' TO 3484' 20K TO 40K DRAG
	9:30 - 14:00	4.50	DRLPRO	11	C	P		SAFETY MEETING W/ BAKER ATLAS , R/U & RUN TRIPLE COMBO LOGS TO TD @ 8430' , NO PROBLEMS
	14:00 - 18:30	4.50	DRLPRO	06	A	P		P/U R/R TRI CONE & BIT SUB TIH TO 8392'
7/22/2010	18:30 - 19:00	0.50	DRLPRO	03	D	P		WASH 38' TO BOTTOM @ 8430', 6' OF FILL
	19:00 - 20:30	1.50	DRLPRO	05	C	P		CIRC F/ LDDP, SAFETY MEETING W/ KIMZEY & R/U ,MIX & PUMP PILL
	20:30 - 0:00	3.50	DRLPRO	06	A	P		LDDP
	0:00 - 5:30	5.50	DRLPRO	06	A	P		LDDP, BREAK KELLY ,L/D BHA ,PULL WEAR RING
	5:30 - 6:30	1.00	DRLPRO	12	A	P		R/U KIMZEY CASING ,SAFETY MEETING W/ CASERS & RIG CREW
	6:30 - 13:30	7.00	DRLPRO	12	C	P		RUN 199 JTS 4.5, 11.6, I-80, BTC PRODUCTION CASING SHOE @ 8426.40', FLOAT @ 8382.71, MARKER JT @ 3825.54, LANDED @ 65K
	13:30 - 15:30	2.00	DRLPRO	05	D	P		CIRC F/ CEMENT ,R/D KIMZEY CASERS ,SAFETY MEETING W/ BJ SERVICES& R/U
	15:30 - 18:00	2.50	DRLPRO	12	E	P		PUMP 40 BBL PREFLUSH WATER,445 SX, 12#, 2.3 YLD LEAD ,1060 SX 14.3#, 1.31YLD TAIL, DISPLACE W/ 129.4 BBLS CLAY TREAT WATER ,FINAL LIFT 2410 PSI, PLUG DOWN @ 17:56, BUMP PLUG @ 3037 PSI, 7 BBLS LEAD BACK TO PIT, FULL RETURNS THROUGHOUT JOB ,ESTIMATED TOP OF TAIL 3109'
	18:00 - 19:00	1.00	DRLPRO	12	B	P		FLUSH STACK, RIG DOWN CEMENTERS,L/D LANDING JT
	19:00 - 22:00	3.00	DRLPRO	14	A	P		NIPPLE DOWN BOP, CLEAN PITS, RELEASE RIG TO NBU 1022-04GT

US ROCKIES REGION
Operation Summary Report

Well: BITTER CREEK 1122-4I Spud Conductor: 11/4/2008 Spud Date: 11/18/2008
 Project: UTAH-UINTAH Site: BITTER CREEK 1122-4I Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 10/2/2008 End Date: 7/22/2010
 Active Datum: RKB @5,641.00ft (above Mean Sea Level) UWI: 4-11S-22E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	22:00 - 22:00	0.00	DRLPRO					<p>CONDUCTOR CASING: Cond. Depth set: 40 Cement sx used: 25</p> <p>SPUD DATE/TIME: 2/20/2010 16:00</p> <p>SURFACE HOLE: Surface From depth:18 Surface To depth: 1,888 Total SURFACE hours: 33.50 Surface Casing size:9 5/8 # of casing joints ran: 42 Casing set MD:1,888.0 # sx of cement:LEAD /150 TAIL/200 TOP OFF/ 225</p> <p>Cement blend (ppg):LEAD /11# TAIL/ 15.8# TOP OFF/ 15.8# Cement yield (ft3/sk): LEAD/ 3.82 TAIL/1.15 TOP OFF/ 1.15 # of bbls to surface: Describe cement issues: Describe hole issues:</p> <p>PRODUCTION: Rig Move/Skid start date/time: 7/15/2010 7:00 Rig Move/Skid finish date/time:7/15/2010 12:30 Total MOVE hours: 5.5 Prod Rig Spud date/time: 7/16/2010 8:30 Rig Release date/time: 7/22/2010 22:00 Total SPUD to RR hours:157.5 Planned depth MD 8,386 Planned depth TVD 8,386 Actual MD: 8,430 Actual TVD: 8,428 Open Wells \$: \$748,773 AFE \$: \$788,959 Open wells \$/ft:\$88.82</p> <p>PRODUCTION HOLE: Prod. From depth: 1,888 Prod. To depth:8,430 Total PROD hours: 79.5 Log Depth: 8430 Production Casing size: 4 1/2 # of casing joints ran: 199 Casing set MD:8,426.4 # sx of cement:445 LEAD / 1090 TAIL Cement blend (ppg):12 LEAD / 14.3 TAIL Cement yield (ft3/sk): 2.3 LEAD 1.31 TAIL Est. TOC (Lead & Tail) or 2 Stage : 18' LEAD / 3109' TAIL Describe cement issues: 7 BBLS LEAD BACK TO PIT Describe hole issues: NO PROBLEMS</p> <p>DIRECTIONAL INFO: KOP: Max angle: Departure: Max dogleg MD:</p>

US ROCKIES REGION
Operation Summary Report

Well: BITTER CREEK 1122-4I		Spud Conductor: 11/4/2008		Spud Date: 11/18/2008	
Project: UTAH-UINTAH		Site: BITTER CREEK 1122-4I		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 8/2/2010		End Date: 8/6/2010	
Active Datum: RKB @5,641.00ft (above Mean Sea Level)			UWI: 4-11S-22E		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/2/2010	6:30 - 6:45	0.25	COMP	48		P		HSM, RIGGING KEEP YOUR HANDS AWAY FROM MOVING OBJECTS
	6:45 - 14:30	7.75	COMP	30	A	P		MIRU, SPOT EQUIP, ND WH, NU BOPS, RU FLOOR & TBG EQUIP FOR PICKING UP TBG IN AM, SWI, SDFN.
8/3/2010	6:30 - 6:45	0.25	COMP	48		P		HSM, PU TBG NIPPLING UP & DOWN PINCH POINTS.
	6:45 - 14:30	7.75	COMP	31	I	P		TALLY & PU TBG TO 6,825' W/ 216 JTS J-55 TBG, POOH, RD FLOOR, ND BOPS, NU FRAC VALVE, PREP FOR PRESS TEST & 1ST SHOOT IN AM. SWI SDFN.
8/4/2010	6:30 - 6:45	0.25	COMP	48		P		HSM, STAY AWAY FROM PRESSURIZED EQUIP WHILE TESTING.
	6:45 - 8:00	1.25	COMP	33	C	P		MIRU B&C QUICK TEST, PRESS TEST CSG & FRAC VALVES TO 7,000 PSI RDMO B&C QUICK TEST.
	8:00 - 14:30	6.50	COMP	37	B	P		MIRU CUTTERS WIRELINE TO PERFORATE ZONE 1. PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH PERF MESAVERDE 8,330'-36' 4SPF 24 HOLES, TOTAL 24 HOLES. POOH W/ WIRE LINE. PREP TO FRAC IN AM W/ FRAC TECH IN AM, SWI SDFN.
8/5/2010	6:30 - 6:45	0.25	COMP	48		P		HSM, STAY AWAY FROM PUMPING LINES WHILE FRACING.
	6:45 - 9:00	2.25	COMP	36	B	P		[STAGE 1] MIRU FRAC TECH, PRIME UP PUMPING LINE & PRESS TEST SURFACE LINES TO 8,132 PSI. WHP= 186 PSI, BRK @ 4,258 PSI @ 4.2 BPM, ISIP 2,822 PSI, FG .77. PUMP 100 BBLS @ 51.6 BPM 5,600 PSI, = 100% PERFS OPEN 24/24. MP 6,018 PSI MR 54.9 BPM, AP 5,000 PSI AR 52 BPM, ISIP 2,389 PSI, FG.72. NPI -433 PSI, PMPD 766 BBLS SW & 16,828 LBS OF 30/50 SND & 4,000 LBS OF RESIN SND. TOTAL PROP 20,828 LBS.
	9:00 - 10:30	1.50	COMP	36	B	P		STAGE 2] PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET CBP @ 7,801' & PERF MESA VERDE @ 7,769'-71' 3 SPF 6 HOLES, 7,720'-22' 3 SPF 6 HOLES, 7,692'-94' 3 SPF 6 HOLES, 7,602'-04' 3 SPF 6 HOLES, TOTAL 24 HOLES. WHP= 124 PSI, BRK @ 2,762 PSI @ 4 BPM, ISIP 2,419 PSI, FG .75. PUMP 100 BBLS @ 51.6 BPM 4,927 PSI, = 100% PERFS OPEN 24/24. MP 5,647 PSI MR 51 BPM, AP 5,000 PSI AR 50 BPM ISIP 2,561 PSI, FG.76. NPI 142 PSI, PMPD 1,237 BBLS SW & 44,109 LBS OF 30/50 SND & 4,000 LBS OF RESIN SND. TOTAL PROP 48,109 LBS.

US ROCKIES REGION
Operation Summary Report

Well: BITTER CREEK 1122-4I		Spud Conductor: 11/4/2008	Spud Date: 11/18/2008
Project: UTAH-UINTAH		Site: BITTER CREEK 1122-4I	Rig Name No: GWS 1/1
Event: COMPLETION		Start Date: 8/2/2010	End Date: 8/6/2010
Active Datum: RKB @5,641.00ft (above Mean Sea Level)		UWI: 4-11S-22E	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:30 - 12:00	1.50	COMP	36	B	P		<p>STAGE 3] PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET CBP @ 7,310' & PERF MESA VERDE @ 7,274'-80' 3 SPF 12 HOLES, 7,192'-96' 4 SPF 24 HOLES, TOTAL 36 HOLES.</p> <p>WHP= 146 PSI, BRK @ 2,402 PSI @ 4.2 BPM, ISIP 1,791 PSI, FG .68. PUMP 100 BBLS @ 53.9 BPM 4,646 PSI, = 100% PERFS OPEN 36/36. MP 4,696 PSI MR 55.1 BPM, AP 4,000 PSI AR 54 BPM, ISIP 2,585 PSI, FG.79. NPI 794 PSI, PMPD 1,016 BBLS SW & 35,026 LBS OF 30/50 SND & 4,000 LBS OF RESIN SND. TOTAL PROP 39,026 LBS.</p>
	12:00 - 13:30	1.50	COMP	36	B	P		<p>STAGE 4] PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET CBP @ 6,996' & PERF MESA VERDE @ 6,952'-56' 3 SPF 12 HOLES, 6,906'-10' 3 SPF 12 HOLES, 6,733'-36' 3 SPF 9 HOLES, TOTAL 33 HOLES.</p> <p>WHP= 96 PSI, BRK @ 2,615 PSI @ 5 BPM, ISIP 2,419 PSI, FG .67. PUMP 100 BBLS @ 52.1 BPM 4,258 PSI, = 100% PERFS OPEN 33/33. MP 5,647 PSI MR 53.2 BPM, AP 4,404 PSI AR 52 BPM, ISIP 2,354 PSI, FG.78. NPI 724 PSI, PMPD 1,113 BBLS SW & 39,046 LBS OF 30/50 SND & 4,000 LBS OF RESIN SND. TOTAL PROP 43,046 LBS.</p>
	13:30 - 17:00	3.50	COMP					<p>STAGE 5] PU 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 6,220' & PERF WASATCH @ 6,184'-90' 4 SPF 24 HOLES, TOTAL 24 HOLES.</p> <p>WHP= 101 PSI, BRK @ 3,032 PSI @ 6 BPM, ISIP 1,743 PSI, FG .71. PUMP 100 BBLS @ 43.5 BPM 5,864 PSI, = 67% PERFS OPEN 16/24. MP 4,696 PSI MR 55.1 BPM, AP 4,000 PSI AR 54 BPM, ISIP 2,585 PSI, FG.79. NPI 794 PSI, PMPD 510 BBLS SW & 13,317 LBS OF 30/50 SND & 4,000 LBS OF RESIN SND. TOTAL PROP 17,317 LBS. TOTAL FOR JOB: WATER 4,642 BBLS, SAND 168,326 LBS. SET KILL PLUG @ 6,134' RDMO CUTTERS & FRAC TECH, RD FLOOR, ND FRAC VALVE, NU BOPS, RU FLOOR, SWI SDFN. JSA-SAFETY MEETING, DRILL OUT CBPS,</p>
8/6/2010	6:30 - 6:45	0.25	COMP	48		P		

US ROCKIES REGION
Operation Summary Report

Well: BITTER CREEK 1122-4I		Spud Conductor: 11/4/2008	Spud Date: 11/18/2008
Project: UTAH-UINTAH		Site: BITTER CREEK 1122-4I	Rig Name No: GWS 1/1
Event: COMPLETION		Start Date: 8/2/2010	End Date: 8/6/2010
Active Datum: RKB @5,641.00ft (above Mean Sea Leve		UWI: 4-11S-22E	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:45 - 17:00	10.25	COMP	31	I	P		<p>P/U 3 7/8" BIT AND POBS, TIH W/ 2 3/8" TBG, TAG UP @ 6109', R/U POWER SWIVEL, PRESSURE TEST BOPS AND CSG 3000#, ESTB CIRC DN TBG OUT CSG,</p> <p>(PLUG #1) 6139', DRILL OUT HALLIBURTON 8K CBP IN 6 MIN, 250# DIFF, TIH W/ TBG TAG @ 6200', C/O 20' SAND,</p> <p>(PLUG #2) 6220', DRILL OUT HALLIBURTON 8K CBP IN 8 MIN, 500# DIFF, TIH W/ TBG TAG FILL @ 6966', C/O 30' SAND, FCP = 250#,</p> <p>(PLUG #3) 6996', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 600# DIFF, TIH W/ TBG TAG FILL @ 7280', C/O 30' SAND, FCP = 150#,</p> <p>(PLUG #4) 7330', DRILL OUT HALLIBURTON 8K CBP IN 5 MIN, 350 # DIFF, TIH W/ TBG TAG FILL @ 7771', C/O 30' SAND, FCP = 100#,</p> <p>(PLUG #5) 7801', DRILL OUT HALLIBURTON 8K CBP IN 5 MIN, 600# DIFF, TIH W/ TBG TAG FILL @ 8336', C/O OUT 50' SAND TO PBTD @ 8383',</p> <p>CIRC WELL CLEA, TOOH W/ LAYING DOWN 25 JTS ON TRAILER, LAND TBG W/ TBG HANGER IN WELL HEAD, @ 7570.09', DROP BALL DN TBG, N/D BOPS, N/U WELL HEAD, PUMP OFF BIT @ #, OPEN TBG TO TK ON 24/64 CHOKE W/ TFP = 250 #, SICP = 1200 #, TURN WELL OVER TO FLOW TESTER W/ 4751 BBLS WTR LTR, R/D MOVE OFF LOC.</p> <p>TOTAL FLUID 5072 BBLS, TOTAL SAND = 168326# OTTAWA SAND</p> <p>284 JTS 2 3/8" J-55 TBG DELV 239 JTS 2 3/8" J-55 TBG LANDED 45 JTS 2 3/8" J-55 RETURNED</p> <p>KB = 18.00' HANGER = .83' 239 JTS 2 3/8" J-55 TBG = 7549.06' XN-NIPPLE POBS = 2.20'</p> <p align="right">TOTAL = 7570.09'</p>
8/7/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 900#, TP 800#, 20/64" CK, 43 BWPH, HVY SAND, - GAS TTL BBLS RECOVERED: 1755 BBLS LEFT TO RECOVER: 3317 WELL TURNED TO SALES @ 12:20 HR ON 8/7/2010 - 630 MCFD, 888 BWPD, CP 1150#, FTP 900#, CK 24/64"</p>
	12:20 -		PROD	50				
8/8/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 1950#, TP 950#, 20/64" CK 46 BWPH, HVY SAND, - GAS TTL BBLS RECOVERED: 2789 BBLS LEFT TO RECOVER: 2283</p>
8/9/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 1600#, TP 800#, 20/64" CK 26 BWPH, MED SAND, 1.2 GAS TTL BBLS RECOVERED: 3569 BBLS LEFT TO RECOVER: 1503</p>

US ROCKIES REGION
Operation Summary Report

Well: BITTER CREEK 1122-4I	Spud Conductor: 11/4/2008	Spud Date: 11/18/2008
Project: UTAH-UINTAH	Site: BITTER CREEK 1122-4I	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/2/2010	End Date: 8/6/2010
Active Datum: RKB @5,641.00ft (above Mean Sea Level) UWI: 4-11S-22E		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/10/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1400#, TP 700#, 24/64" CK 15 BWPH, LIGHT SAND, 1.2 GAS TTL BBLS RECOVERED: 4058 BBLS LEFT TO RECOVER: 1014 WELL IP'D ON 8/10/10- 1270 MCFD, 0 BOPD, 360 BWPD, CP 1400#, FTP 700#, CK 24/64", LP 70#, 24 HRS
	7:00 -							

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71417
SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: BITTER CREEK 1122-4I
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047397560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1939 FSL 0513 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 04 Township: 11.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: BITTER CREEK COUNTY: UINTAH STATE: UTAH

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 Approximate date work will start: 6/28/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text" value="WH Repair"/>

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

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 07/11/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 6/28/2011	

WORKORDER #: 88119293

Name: **BITTER CREEK 1122-4I**
 Surface Location: NESE Sec. 4, T11S, R22E
 Uintah County, UT

6/23/2011

API: 4304739756 LEASE#: UTU-71417

ELEVATIONS: 5623' GL 5641' KB

TOTAL DEPTH: 8430' PBD: 8382'

SURFACE CASING: 9 5/8", 36# J-55 @ 1852'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 8426'
 TOC @ Surface' per CBL

PERFORATIONS: Wasatch 6184' - 6190'
 Mesaverde 6733' - 8336'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

881' Green River
 1601' Mahogany
 3887' Wasatch
 6336' Mesaverde

BITTER CREEK 1122-4I- WELLHEAD REPAIR PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~6134'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

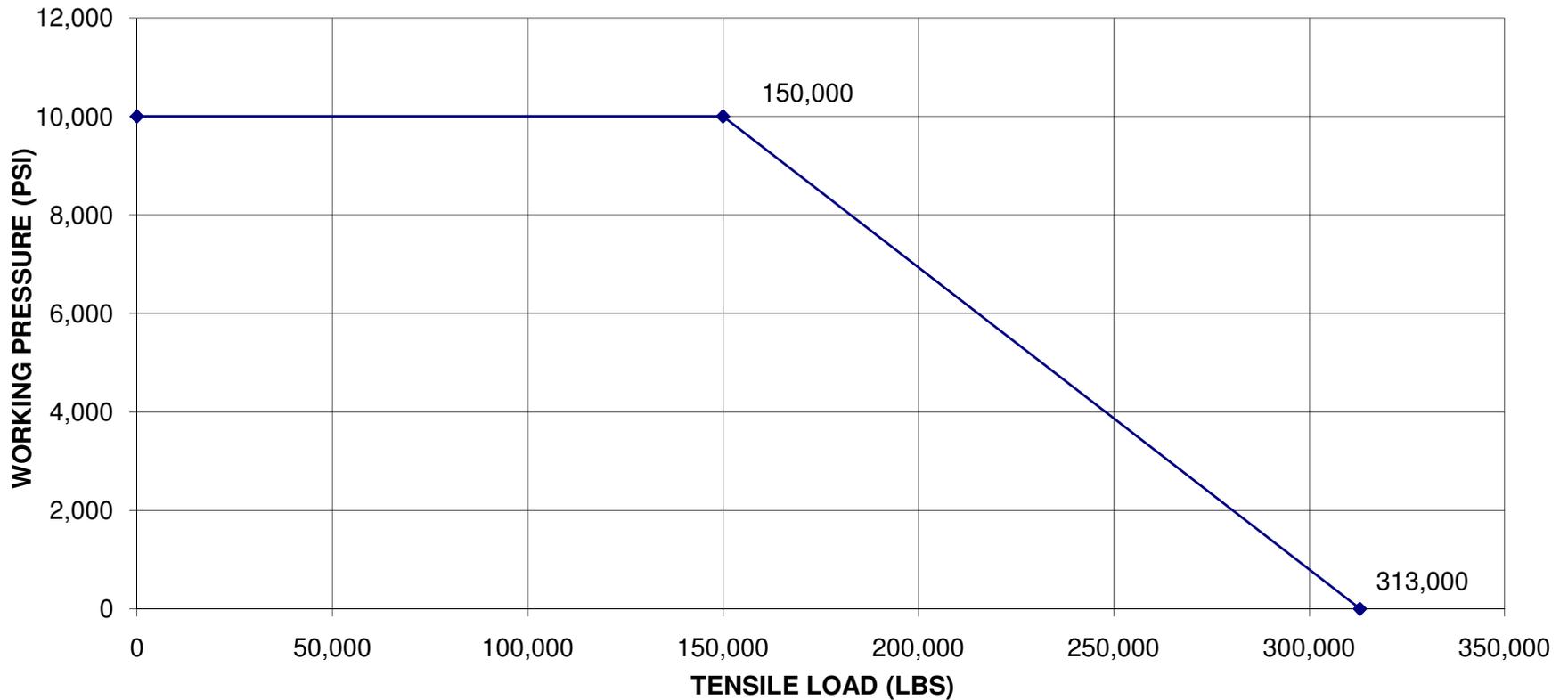
1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.
3. PU 7 3/8" overshot with 4 1/2" right hand standard wicker grapple, 1 - 4 3/4" drill collar with 3 1/2" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshot, POOH, and lay down.
4. TIH w/ skirted mill and dress off the fish top for approximately 1/2 hour. TOO H.
5. PU & RIH w/ 4 1/2" 10k external casing patch on 4 1/2" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.
6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.
7. Install slips. Land casing w/ 80,000# tension.
8. Cut-off and dress 4 1/2" casing stub.
9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6084'. Clean out to PBSD (8382').
10. POOH, land tbg and pump off POBS.
11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 1/2" overshot. RIH, latch fish. Pick string weight to neutral.
4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.
5. Back-off casing, POOH.

6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ± 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ± 7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.
7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.
8. Install slips. Land casing w/ 80,000# tension.
9. Cut-off and dress 4 1/2" casing stub.
10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~6084'. Clean out to PBSD (8382').
11. POOH, land tbg and pump off POBS.
12. NUWH, RDMO. Turn well over to production ops.

**STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000**



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

RECEIVED Jun. 28, 2011

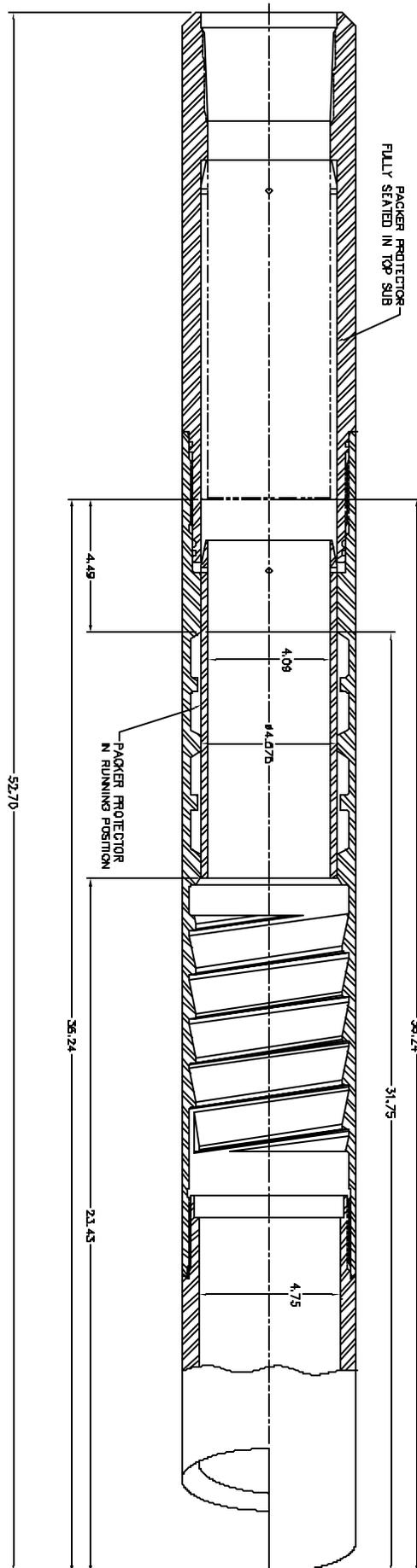


Logan High Pressure Casing Patches Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type "L" Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.
2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type "L" Packers.
3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.
4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.
6. Install the Cutlipped Guide into the lower end of the Bowl.
7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.



510L-005-001 4-1/2" LOGAN HP CASING PATCH

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS 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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71417
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		8. WELL NAME and NUMBER: BITTER CREEK 1122-4I
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		9. API NUMBER: 43047397560000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1939 FSL 0513 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 04 Township: 11.0S Range: 22.0E Meridian: S		9. FIELD and POOL or WILDCAT: BITTER CREEK
		COUNTY: UINTAH
		STATE: 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 Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/9/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT 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 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 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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The operator has concluded the wellhead/casing repairs on the subject well location. Please see the attached chronological history for the details of the operations.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 24, 2012**

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 1/24/2012	

US ROCKIES REGION
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: BITTER CREEK 1122-4I			Spud Conductor: 11/4/2008			Spud Date: 11/18/2008		
Project: UTAH-UINTAH			Site: BITTER CREEK 1122-4I			Rig Name No: LEED 698/698		
Event: WELL WORK EXPENSE			Start Date: 9/7/2011			End Date: 9/9/2011		
Active Datum: RKB @5,641.01ft (above Mean Sea Level)				UWI: 4-11S-22E				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/7/2011	7:00 - 9:00	2.00	ALL	30	G	P		ROAD RIG & TRAVEL F/ NBU 1022-4GT TO BITTER CREEK 1122-4I.
	9:00 - 9:30	0.50	ALL	48		P		HSM, REVIEW TOOH W/ TBG & SETTING CIBP W/ WIRELINE.
	9:30 - 10:30	1.00	ALL	30	A	P		MIRU.
	10:30 - 11:30	1.00	ALL	30	F	P		BLEW TBG DWN, CONTROL TBG W/ 10 BBLs, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG HANGER.
	11:30 - 14:15	2.75	ALL	31	I	P		TOOH W/ 239 JTS. 2-3/8 J-55 TBG, LD XN,
	14:15 - 17:00	2.75	ALL	34	I	P		RU J-W WIRELINE COMPANY, RIH & SET CIBP @ 6120', POOH TOOLS, RD J-W WIRELINE COMPANY, FILL CSG W/ T-MAC, P.T. PLUG TO 3000 PSI. SWI, SDFN.
9/8/2011	7:00 - 7:15	0.25	ALL	48		P		HSM, REVIEW CUT-OFF PROCEDURE
	7:15 - 7:45	0.50	ALL	47	A	P		RD FLOOR & TBG EQUIPMENT, ND BOP'S, ND CSG BOWL, RU PWR SWVL,
	7:45 - 8:30	0.75	ALL	31	B	P		PU INTERNAL CSG CUTTERS & RIH, CUT CSG @ 3' F/ SURFACE, POOH & LD CUTTER & CSG MANDRAL, RD PWR SWVL, PU 4-1/2 OVERSHOT, RIH, LATCH FISH, RU CSG CREW & WIRELINE SERVICES, RIH & STRING SHOT CSG COLLAR, BACK-OFF CSG, POOH, PU NEW 10' CSG PUP & RIH TAG CSG TOP, THREAD INTO CSG, TORQUE CSG TO 7000# W/ 20 ROTATIONS ON CSG, PU 4-1/2 CSG TO 100,000# TENSION.
	8:30 - 9:45	1.25	ALL	33	C	P		RU B&C QUICK TEST, P.T. 4-1/2 CSG TO 1000 PSI. FOR 15 MINS, LOST 10 PSI. IN 15 MINS, P.T. 4-1/2 CSG TO 3500 PSI. FOR 30 MINS, LOST 21.25 PSI. IN 30 MINS, RD B&C QUICK TEST.
	9:45 - 11:00	1.25	ALL	47	C	P		SET C-21 SLIPS, LAND CSG W/ 85,000# TENSION, CUT-OFF & DRESS 4-1/2 CSG STUB, INSTALL FLANGE & CROSSOVER SPOOL, TORQUE ALL 1-7/8 BOLTS, NU CSG BOWL, NU BOP'S, RU FLOOR & TBG EQUIPMENT.
	11:00 - 12:30	1.50	ALL	31	I	P		PU 3-7/8 MILL & RIH 194 JTS. 2-3/8 J-55 TBG, TAG CIBP @ 6120'
	12:30 - 13:00	0.50	ALL	47	A	P		RU PWR SWVL, RU TECH FOAM, EST CIRC IN 15 MINS,
	13:00 - 13:30	0.50	ALL	44	C	P		D/O CIBP @ 6120' IN 18 MINS, HAD 100 PSI. INCREASE, KILL TBG, LD PWR SWVL.
	13:30 - 14:20	0.83	ALL	31	I	P		RIH TBG & PU 26 JTS. 2-3/8 J-55 TBG F/ TRAILER, TAG SAND @ 8348' W/ 265 JTS.
	14:20 - 16:00	1.67	ALL	44	D	P		RU PWR SWVL, EST CIRC IN 10 MINS, C/O SAND F/ 8348' TO 8362' (14') IN 38 MINS, TAG OLD POBS, CIRC HOLE CLEAN, KILL TBG, RD PWR SWVL.
16:00 - 17:00	1.00	ALL	31	I	P		LD 26 JTS. 2-3/8 J-55 TBG ON TRAILER, POOH 72 JTS. EOT @ 5284', SWI, SDFN.	
9/9/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW HIGH PRESSURE PUMP

US ROCKIES REGION
Operation Summary Report

Well: BITTER CREEK 1122-4I	Spud Conductor: 11/4/2008	Spud Date: 11/18/2008
Project: UTAH-UINTAH	Site: BITTER CREEK 1122-4I	Rig Name No: LEED 698/698
Event: WELL WORK EXPENSE	Start Date: 9/7/2011	End Date: 9/9/2011
Active Datum: RKB @5,641.01ft (above Mean Sea Level)		UWI: 4-11S-22E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 12:00	4.50	ALL	31	I	P		SICP. 300 PSI. SITP. 500 PSI. BLEW TBG DWN, FINISH POOH TBG, LD MILL, PU 1.875 XN HALF POBS & RIH 120 JTS. J-55 TBG, EOT @ 3790', RU SWAB EQUIPMENT, RIH BROACH TBG W/ 1.9 BROACH, POOH, LD SWAB EQUIPMENT, RIH 119 JTS. 2-3/8 J-55 TBG, EOT@ 3758', RU SWAB EQUIPMENT, RIH TO 3758' W/ 1.9 BROACH, POOH, LD SWAB EQUIPMENT, LAND TBG HANGER, RD FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH, RDMO. MOVE TO BITTER CREEK 1122-4J.
TBG DETAIL								
KB-----18' WEATHERFORD HANGER-----83" 239 JTS. J-55 TBG @-----7549.06' 1.875 XN HALF POBS-----2.20' EOT @ -----7570.09' WLTR. 40 BBLS. TOP PERF @ 6184' BTM PERF @ 8336' C/O TO 8362' TAG OLD POBS. PBTD @ 8382' API # 4304739756-00-S1 PERFORMED WELLHEAD/ CSG REPAIR								

