

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. <b>UTU-71417</b>	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No.	
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>		8. Lease Name and Well No. <b>BITTER CREEK 1122-40</b>	
3b. Phone No. (include area code) <b>(435) 781-7024</b>		9. API Well No. <b>43047-39-755</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>SW/SE 464'FSL, 1928'FEL</b>		10. Field and Pool, or Exploratory <b>UNREGISTERED Bitter Creek</b>	
At proposed prod. Zone <b>631960X 44157654</b>		11. Sec., T., R., M., or Blk, and Survey or Area <b>SEC. 4, T11S, R22E</b>	
14. Distance in miles and direction from nearest town or post office* <b>36.9 +/- MILES SOUTHEAST OF OURAY, UTAH</b>		12. County or Parish <b>UINTAH</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>464'</b>		13. State <b>UTAH</b>	
16. No. of Acres in lease <b>1520.00</b>		17. Spacing Unit dedicated to this well <b>40.00</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>		19. Proposed Depth <b>8240'</b>	
20. BLM/BIA Bond No. on file <b>BOND NO. WYB000291</b>		21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5670'GL</b>	
22. Approximate date work will start*		23. Estimated duration	

24. Attachments

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

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

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

Conditions of approval, if any, are attached.

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

\*(Instructions on reverse)

**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

Well location, BITTER CREEK #1122-40, located as shown in the SW 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.)

T10S  
T11S

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 - 3128.13' (Meas. To True)

N00°33'35"W - 3150.94' (Meas. To C.C.)  
N00°33'35"W 3151.08' (Meas. To True)

LOT 4

LOT 3

LOT 2

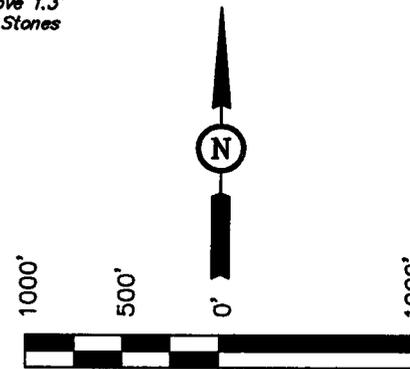
LOT 1

LOT 5

LOT 6

LOT 7

LOT 8



SCALE

(NAD 83)

LATITUDE = 39°53'00.89" (39.883581)

LONGITUDE = 109°27'26.83" (109.457453)

(NAD 27)

LATITUDE = 39°53'01.01" (39.8883614)

LONGITUDE = 109°27'24.37" (109.456769)

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

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

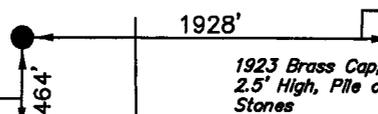
S00°00'01"W - 2639.91' (Meas.)

N00°00'59"W - 2644.91' (Meas.)

4  
BASIS OF ELEVATION

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.

BITTER CREEK #1122-40  
Elev. Ungraded Ground = 5670'



1923 Brass Cap,  
2.5' 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.)

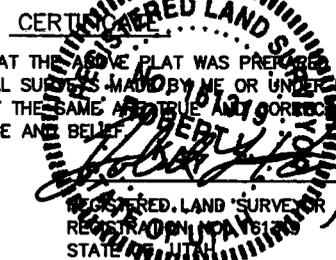
1928 Brass Cap,  
1.3' High, Pile of  
Stones

BASIS OF BEARINGS

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

LEGEND:

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



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ACCURATELY CORRESPOND TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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

SCALE 1" = 1000'	DATE SURVEYED: 06-19-07	DATE DRAWN: 06-25-07
PARTY J.M. K.D. C.H.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE Kerr-McGee Oil & Gas Onshore LP	

**BITTER CREEK 1122-40  
SW/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	909'
Top of Birds Nest Water	1213'
Mahogany	1535'
Wasatch	3894'
Mesaverde	6261'
MVU2	7171'
MVL1	7807'
TD	8240'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	909'
	Top of Birds Nest Water	1213'
	Mahogany	1535'
Gas	Wasatch	3894'
	Mesaverde	6261'
Gas	MVU2	7171'
Gas	MVL1	7807'
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 8240' TD, approximately equals 5109 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3296 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*





# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## 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		1.63	4.99
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8240	11.60	I-80	LTC	2.61	1.32	2.41

- 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 2986 psi

Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270 lbs is 21.8 ppg @ 11.9 psi

## 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	3,390'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	370	60%	11.00	3.38
	TAIL	4,850'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	360	60%	14.30	1.31

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

## FLOAT EQUIPMENT & CENTRALIZERS

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

## ADDITIONAL INFORMATION

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

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

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

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

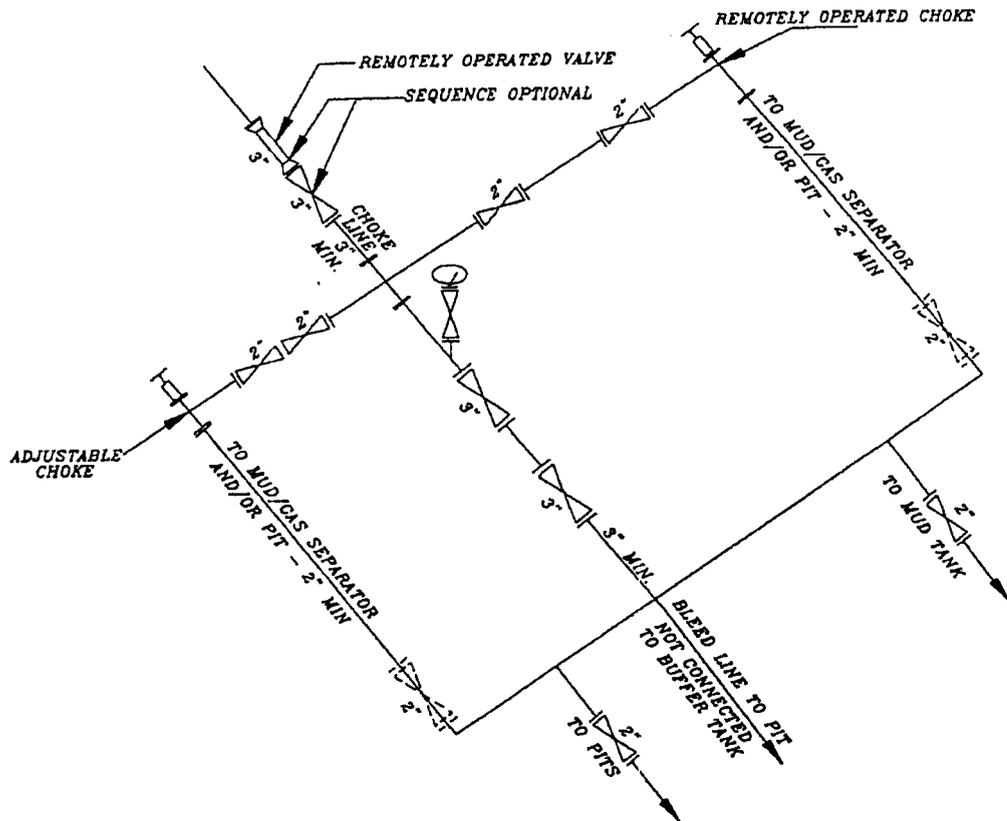
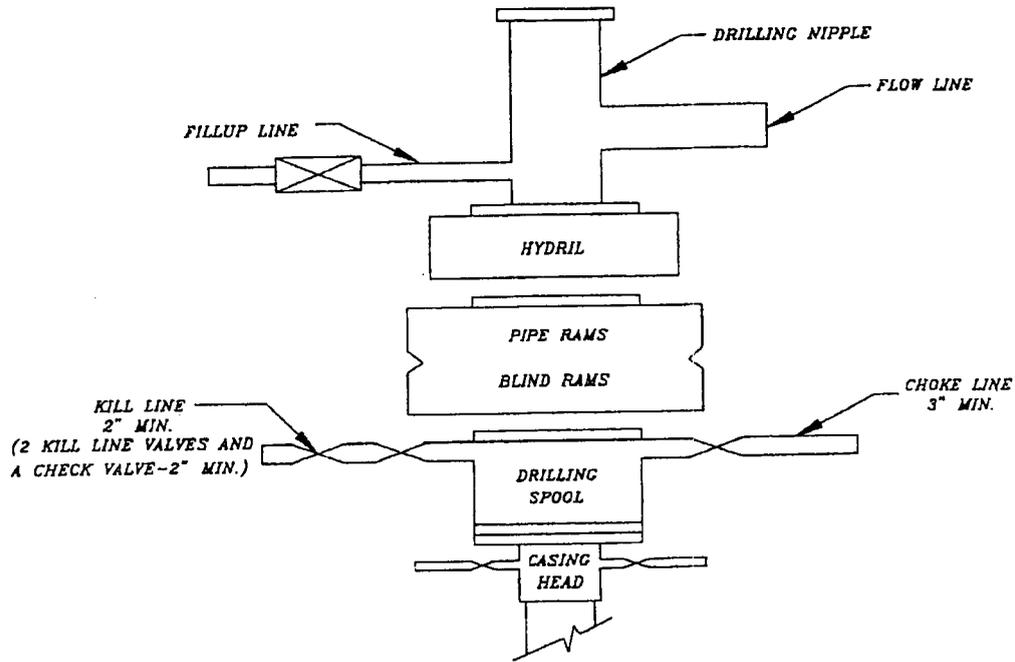
DRILLING ENGINEER: \_\_\_\_\_  
Brad Laney

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

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

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

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**BITTER CREEK 1122-40  
SW/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 0.1 +/- 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 541' +/- 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	10 lbs.
Indian Ricegrass	10 lbs.

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

**11. Surface Ownership:**

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

**12. STIPULATIONS:**

**WILDLIFE STIPULATIONS:**

**ANTELOPE:** No drilling or construction from May 15<sup>th</sup> – June 20<sup>th</sup>.  
**SAGE GROUSE:** No drilling or construction from March 1<sup>st</sup> – June 30<sup>th</sup>.

**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 #1122-40**  
**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 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 3.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.1 MILES.

**Kerr-McGee Oil & Gas Onshore LP**  
**BITTER CREEK #1122-40**  
 LOCATED IN UINTAH COUNTY, UTAH  
 SECTION 4, T11S, R22E, S.L.B.&M.

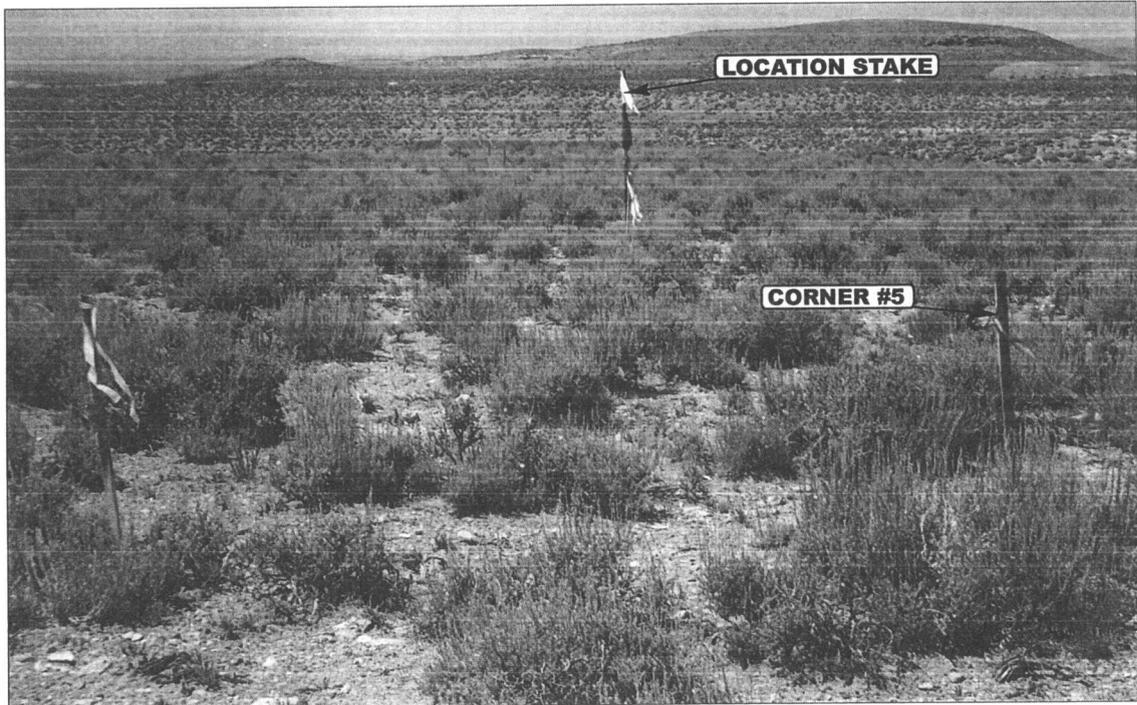


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

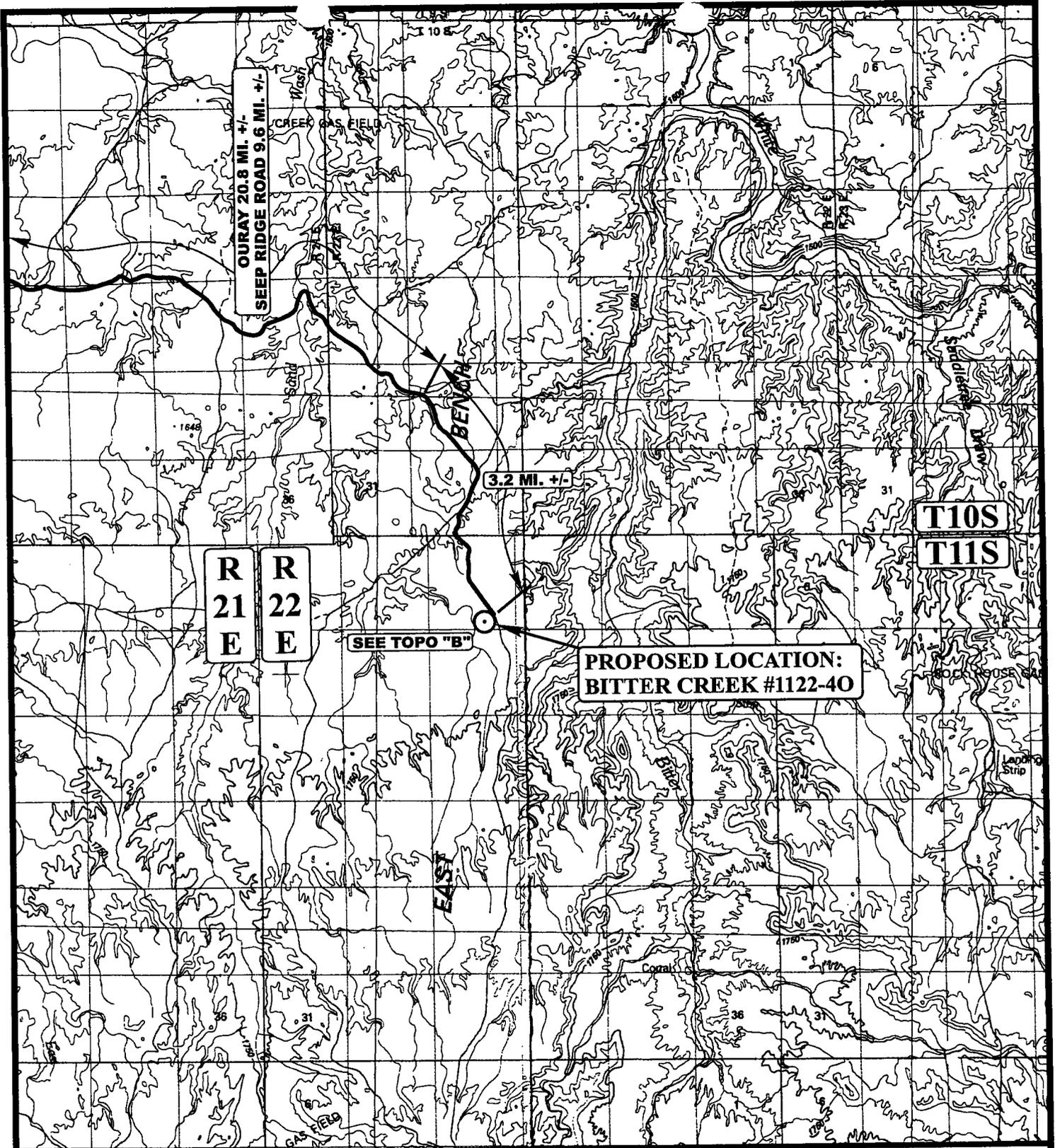
CAMERA ANGLE: WESTERLY



- Since 1964 -

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

LOCATION PHOTOS	06	20	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: J.M.	DRAWN BY: C.P.		REVISED: 00-00-00	



**LEGEND:**

○ PROPOSED LOCATION



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

**BITTER CREEK #1122-40  
SECTION 4, T11S, R22E, S.L.B.&M.  
464' FSL 1928' FEL**



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

**TOPOGRAPHIC  
MAP**

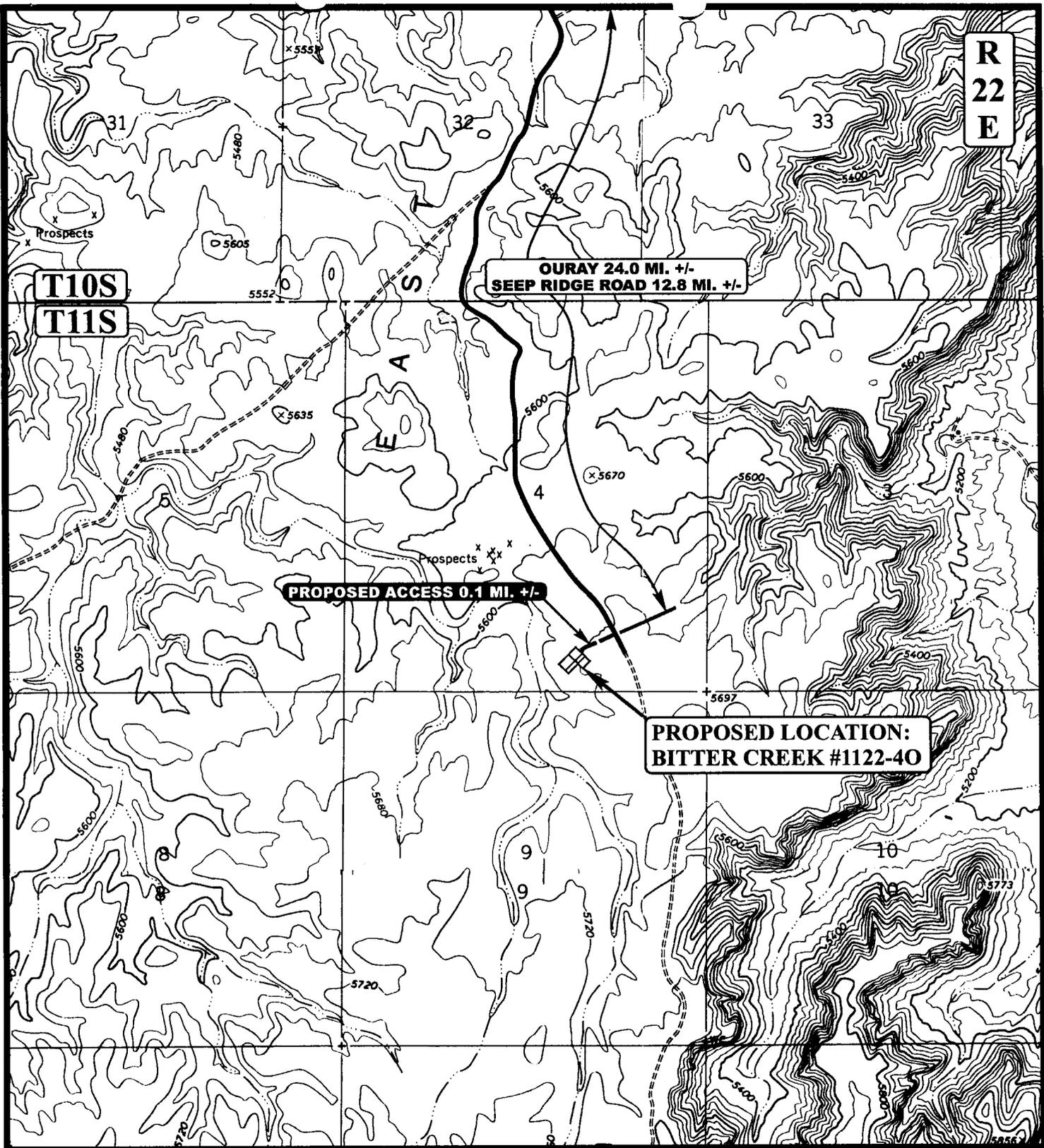
<b>06</b>	<b>20</b>	<b>07</b>
MONTH	DAY	YEAR

SCALE: 1:100,000

DRAWN BY: C.P.

REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



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

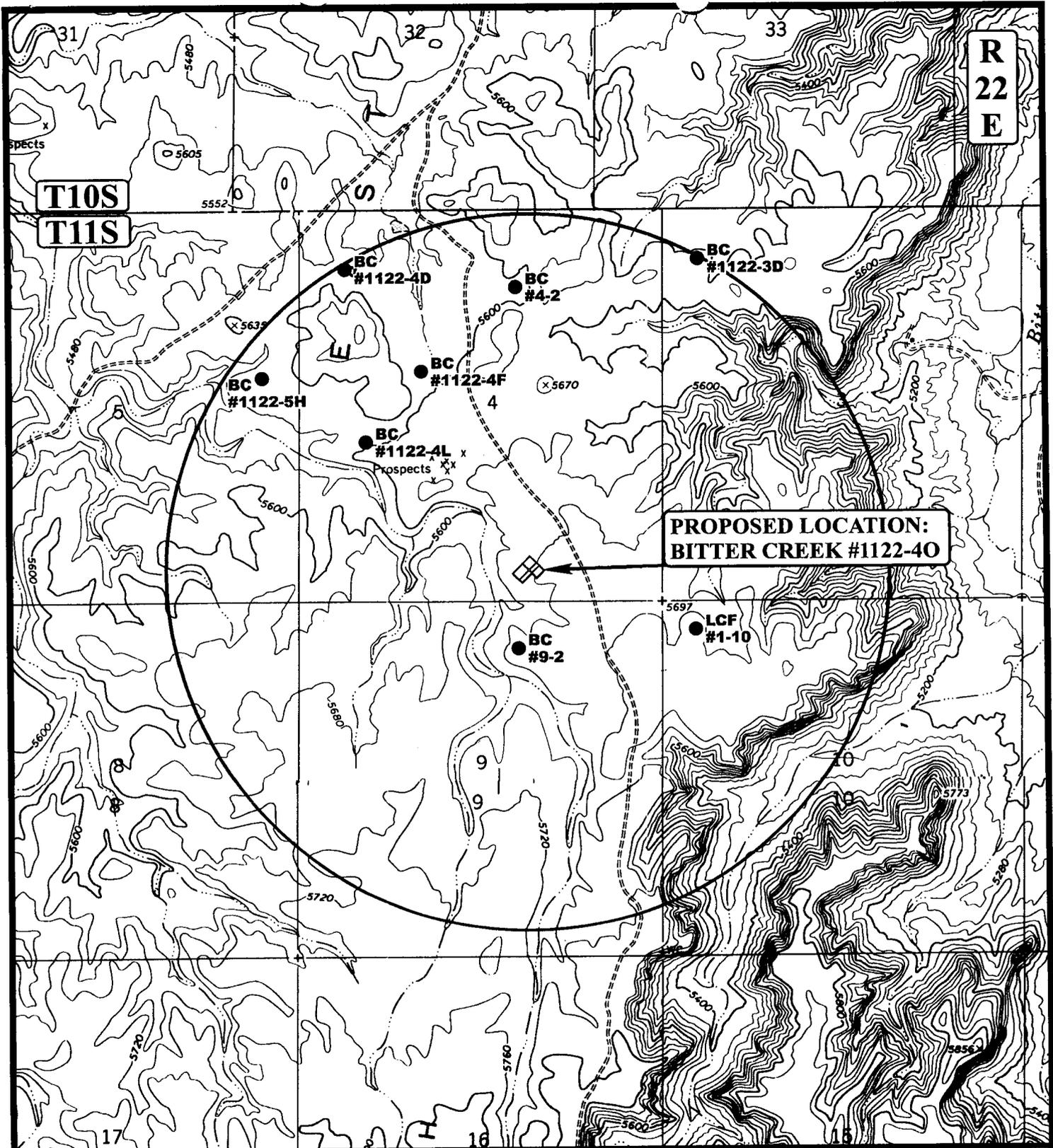
**BITTER CREEK #1122-40**  
**SECTION 4, T11S, R22E, S.L.B.&M.**  
**464' FSL 1928' FEL**



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

TOPOGRAPHIC			06	20	07
MAP			MONTH	DAY	YEAR
SCALE: 1" = 2000'		DRAWN BY: C.P.		REVISED: 00-00-00	





**LEGEND:**

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



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

**BITTER CREEK #1122-40**  
SECTION 4, T11S, R22E, S.L.B.&M.  
464' FSL 1928' FEL

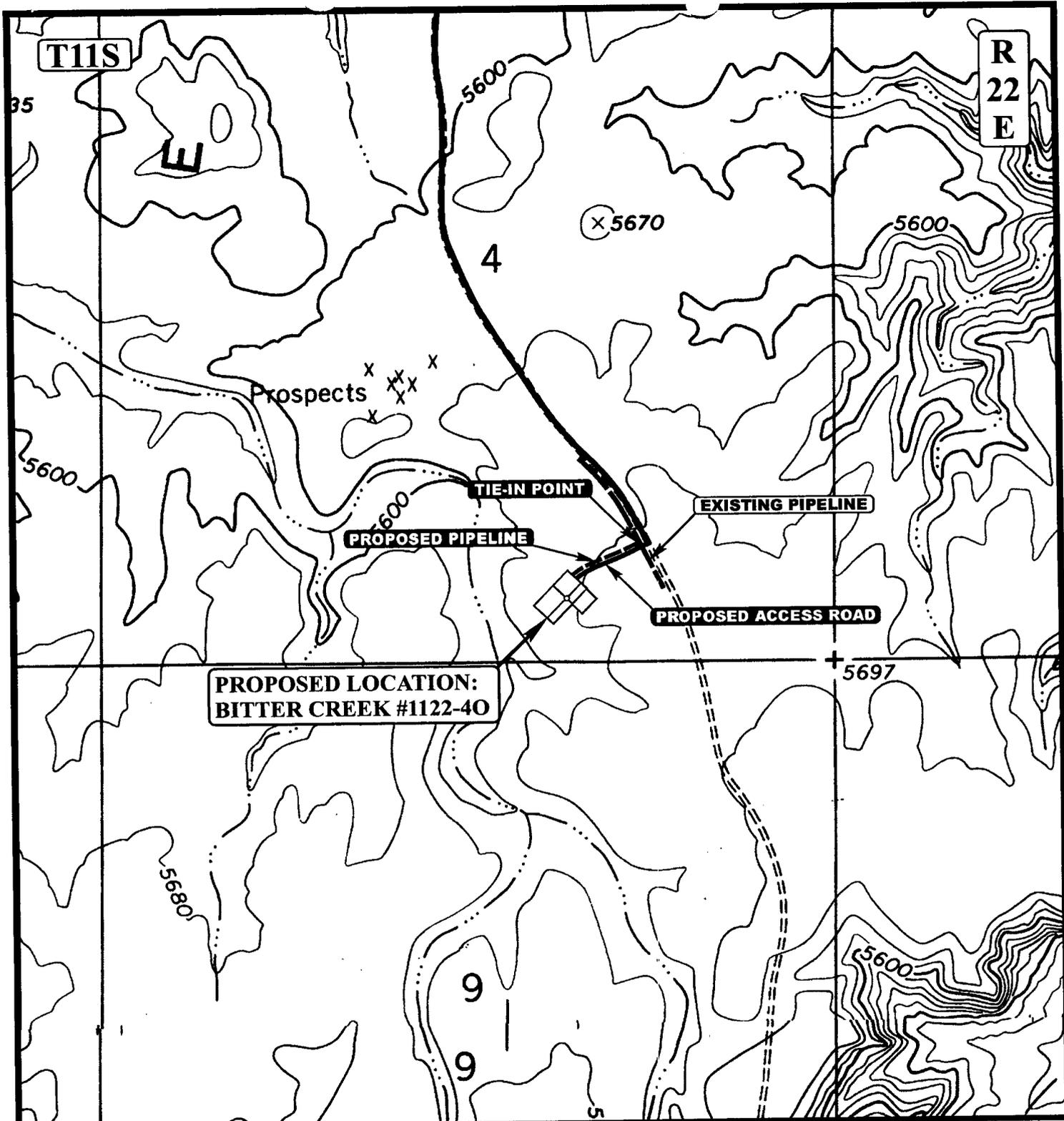


**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 06 20 07  
**MAP** MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 541' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE



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

**BITTER CREEK #1122-40**  
**SECTION 4, T11S, R22E, S.L.B.&M.**  
**464' FSL 1928' FEL**



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

TOPOGRAPHIC MAP	06	20	07
	MONTH	DAY	YEAR
SCALE: 1" = 1000'	DRAWN BY: C.P.		REVISED: 00-00-00



**Kerr-McGee Oil & Gas Onshore LP**  
**BITTER CREEK #1122-40**  
 PIPELINE ALIGNMENT  
 LOCATED IN UINTAH COUNTY, UTAH  
 SECTION 4, T11S, R22E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY

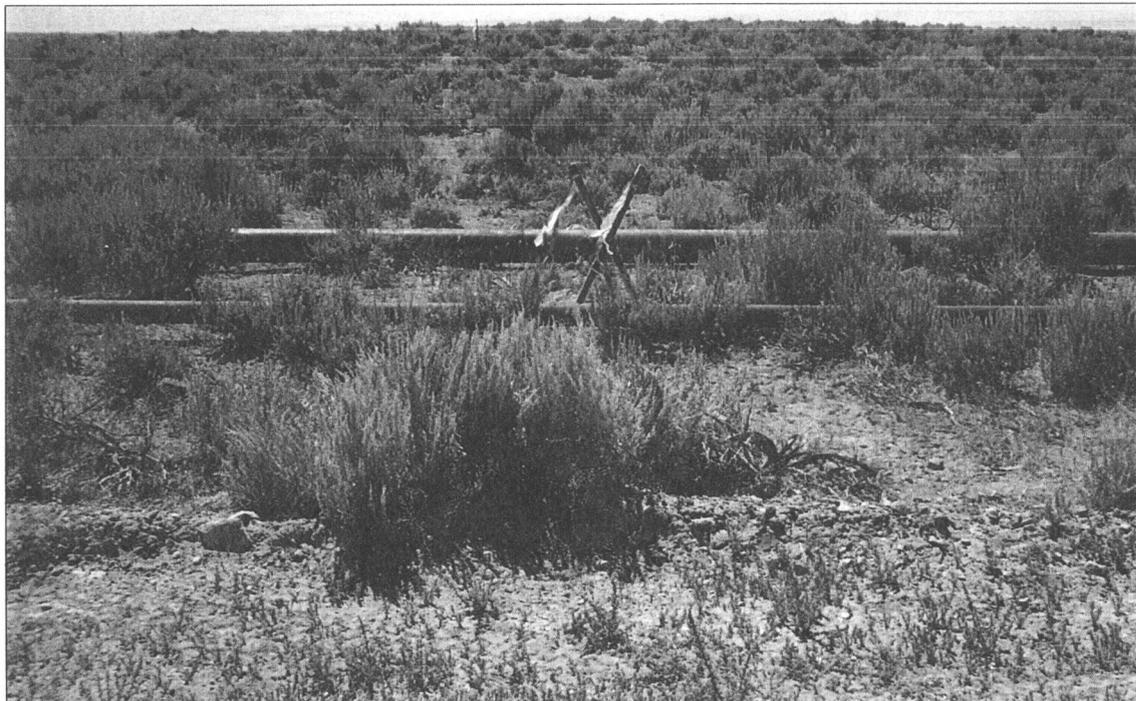


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: WESTERLY



- Since 1964 -

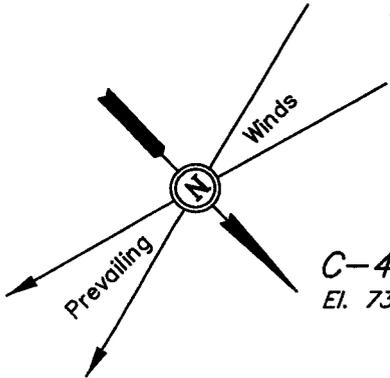
**UELS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS	06	20	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: J.M.	DRAWN BY: C.P.	REVISED: 00-00-00		

# Kerr-McGee Oil & Gas Onshore LP

## LOCATION LAYOUT FOR

BITTER CREEK #1122-40  
SECTION 4, T11S, R22E, S.L.B.&M.  
464' FSL 1928' FEL



SCALE: 1" = 50'  
DATE: 06-26-07  
Drawn By: C.H.

C-4.4'  
El. 73.4'

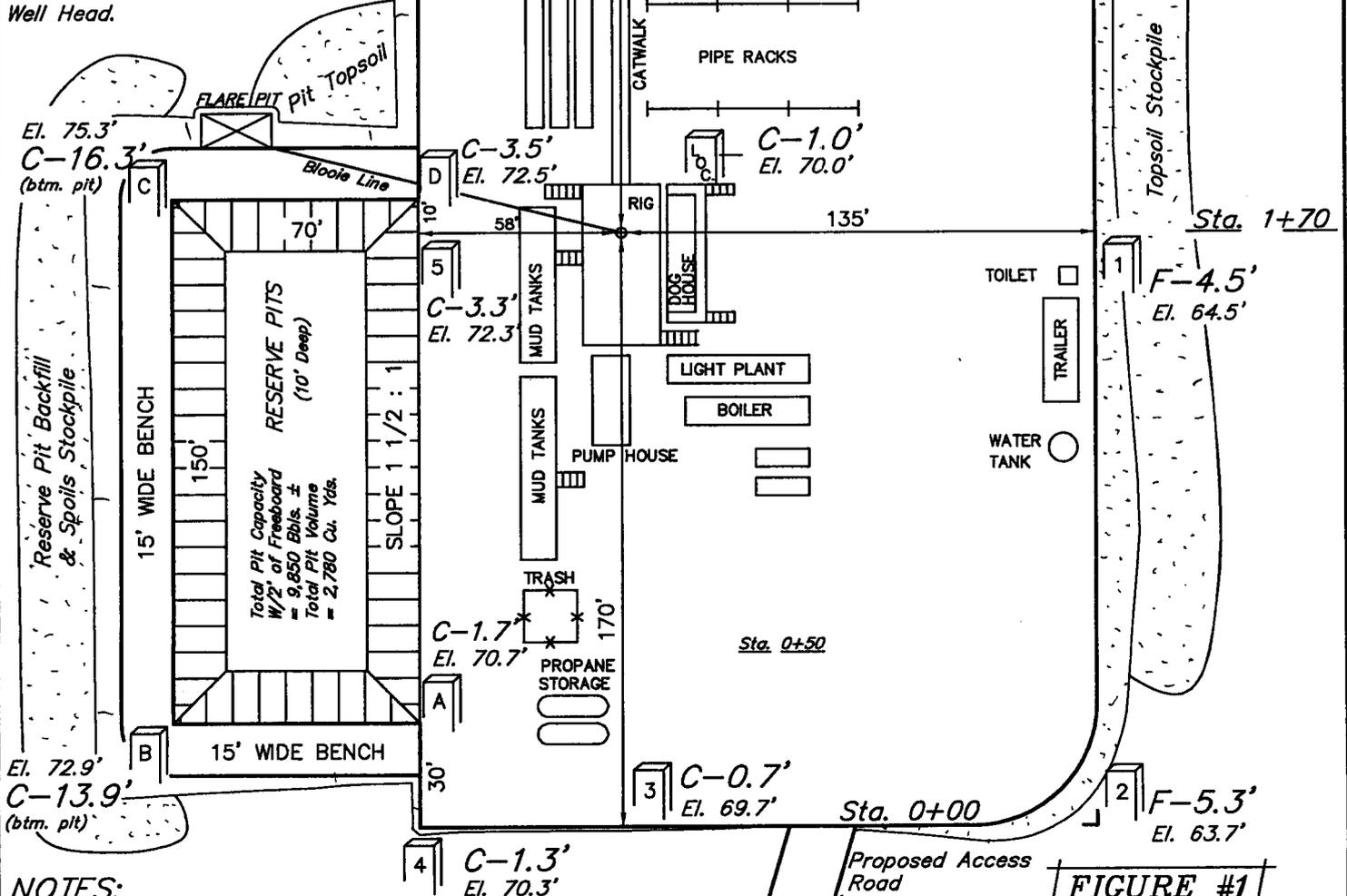
Sta. 3+50

Approx. Top of Cut Slope

Approx. Toe of Fill Slope

**NOTE:**

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



**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 5670.0'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5669.0'

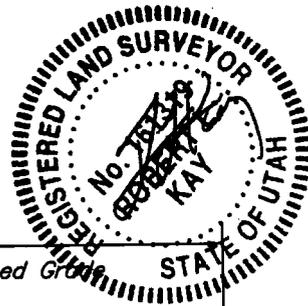
Proposed Access Road

**FIGURE #1**

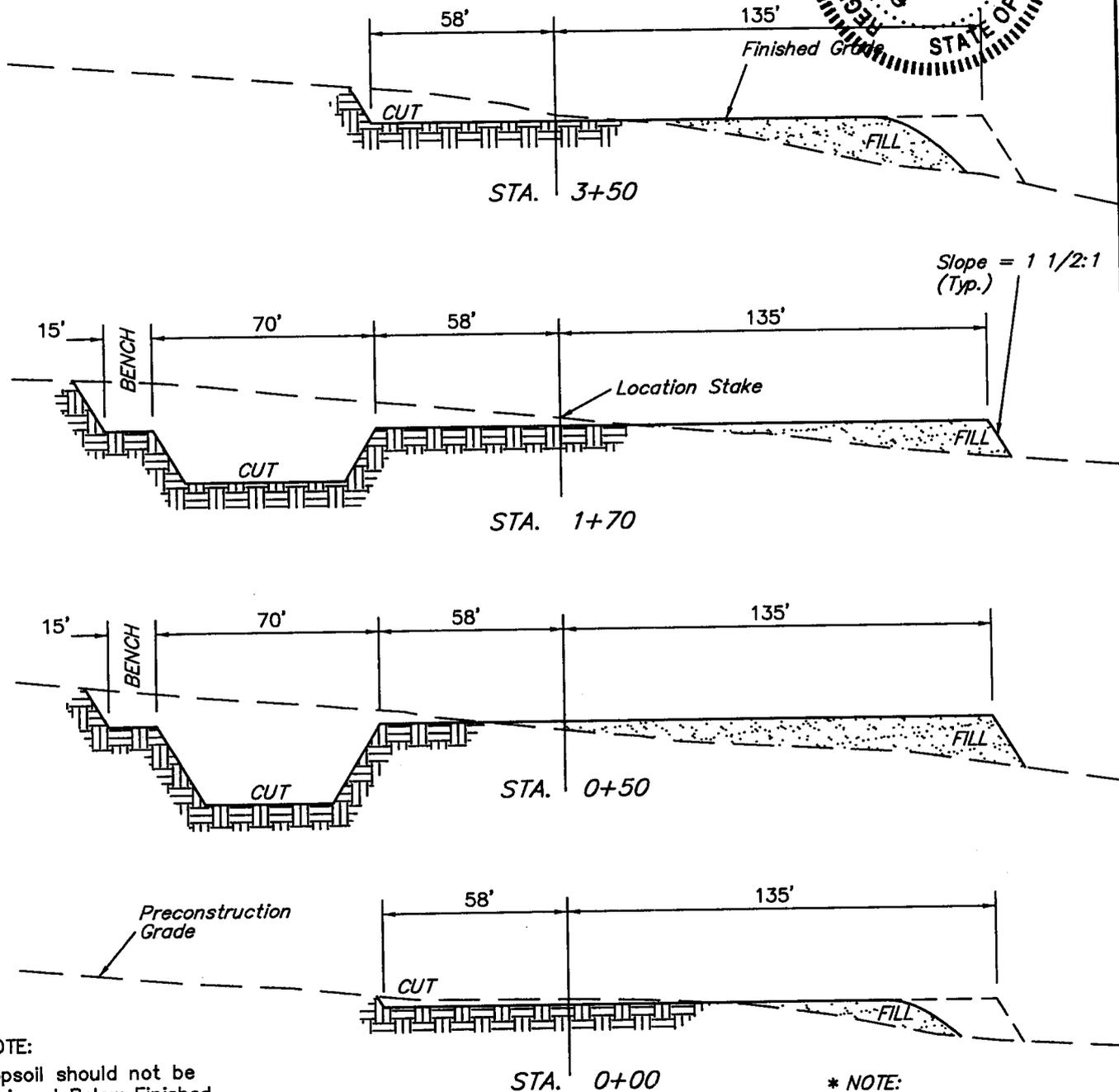
Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR  
BITTER CREEK #1122-40  
SECTION 4, T11S, R22E, S.L.B.&M.  
464' FSL 1928' FEL



1" = 20'  
X-Section Scale  
1" = 50'  
DATE: 06-26-07  
Drawn By: C.H.



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

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,720 Cu. Yds.
Remaining Location	= 6,460 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 8,180 CU.YDS.</b>
<b>FILL</b>	<b>= 5,070 CU.YDS.</b>

EXCESS MATERIAL	= 3,110 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,110 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 788-1017

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/02/2007

API NO. ASSIGNED: 43-047-39755

WELL NAME: BITTER CREEK 1122-40  
 OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )  
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

SWSE 04 110S 220E  
 SURFACE: 0464 FSL 1928 FEL  
 BOTTOM: 0464 FSL 1928 FEL  
 COUNTY: UINTAH  
 LATITUDE: 39.88357 LONGITUDE: -109.4568  
 UTM SURF EASTINGS: 631960 NORTHINGS: 4415765  
 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  
 CCALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

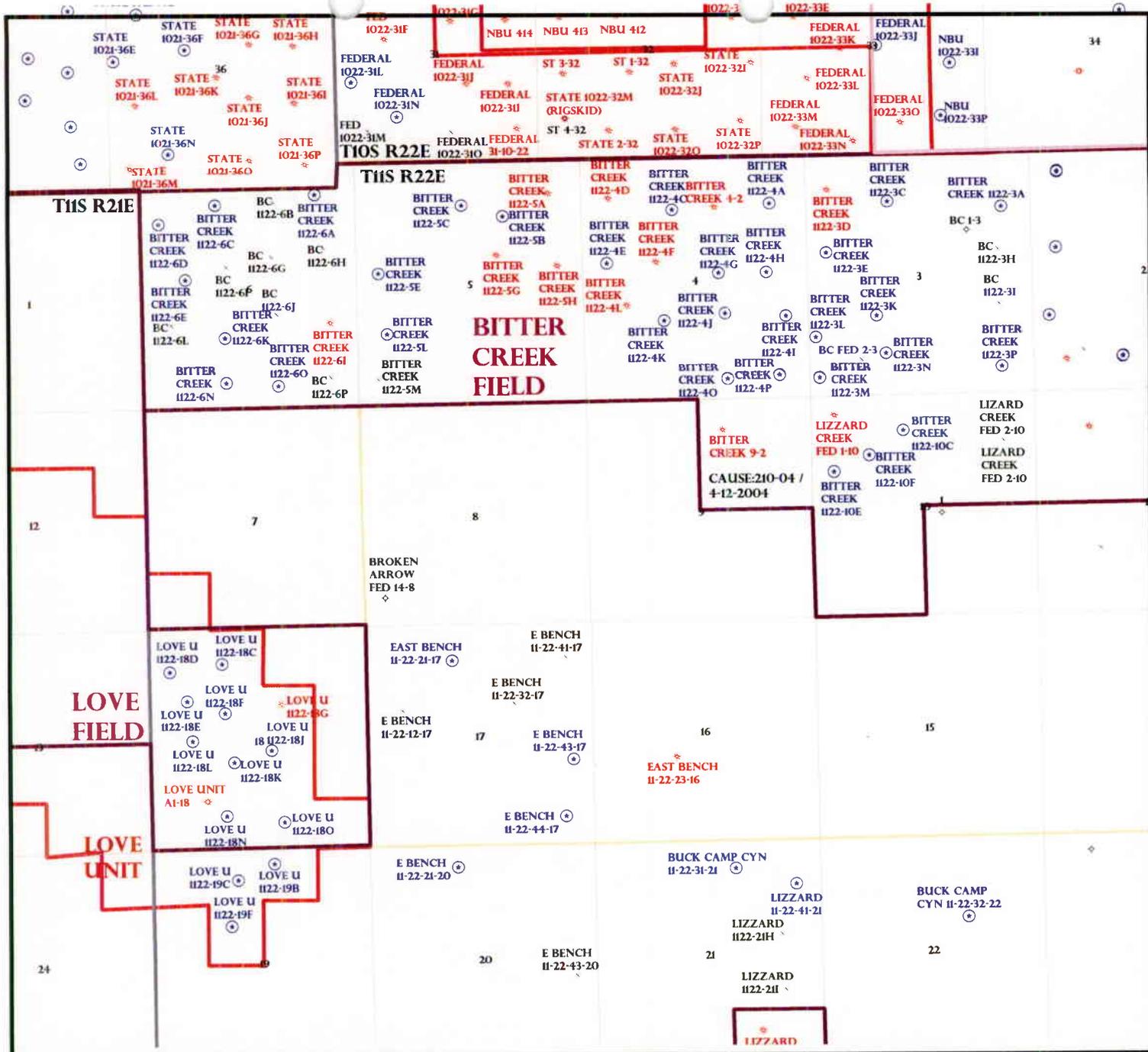
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000291 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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: 4-12-64  
Siting: 460' West of an Uberg. 920' W other wells
- R649-3-11. Directional Drill

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

STIPULATIONS: 1. Lease Approval



OPERATOR: KERR MCGEE O&G (N2995)

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

FIELD: BITTER CREEK (547)

COUNTY: UINTAH

CAUSE:210-04 / 4-12-2004

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

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

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



OIL, GAS & MINING



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



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

November 7, 2007

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

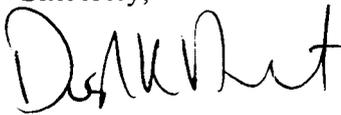
Re: Bitter Creek 1122-40 Well, 464' FSL, 1928' FEL, SW SE, Sec. 4, T. 11 South,  
R. 22 East, Uintah County, Utah

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.

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 43-047-39755.

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 1122-40  
**API Number:** 43-047-39755  
**Lease:** UTU-71417  
**Location:** SW 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  
VERNAL FIELD OFFICE  
2007 OCT 31 PM 3:21

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-71417</b>	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		7. If Unit or (CA) Agreement, Name and No. <b>UTU-80666</b>	
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>		8. Lease Name and Well No. <b>BITTER CREEK 1122-40</b>	
3b. Phone No. (include area code) <b>(435) 781-7024</b>		9. API Well No. <b>43 047 39755</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>SW/SE 464'FSL, 1928'FEL</b> At proposed prod. Zone		10. Field and Pool, or Exploratory <b>UNDESIGNATED</b>	
14. Distance in miles and direction from nearest town or post office* <b>36.9 +/- MILES SOUTHEAST OF OURAY, UTAH</b>		11. Sec., T., R., M., or Blk, and Survey or Area <b>SEC. 4, T11S, R22E</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>464'</b>	16. No. of Acres in lease <b>1520.00</b>	17. Spacing Unit dedicated to this well <b>40.00</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	19. Proposed Depth <b>8240'</b>	20. BLM/BIA Bond No. on file <b>BOND NO. WYB000291</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5670'GL</b>	22. Approximate date work will start*	23. Estimated duration	

24. Attachments

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

- 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) <b>SHEILA UPCHEGO</b>	Date <b>10/30/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>JERRY KENZKA</b>	Date <b>6-24-2008</b>
Title <b>Assistant Field Manager Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>	

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

**CONDITIONS OF APPROVAL 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**  
**JUN 26 2008**  
DIV. OF OIL, GAS & MINING

NOs: 07-27-2007  
07PP2534A



**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**

<b>Company:</b>	<b>Kerr-McGee Oil &amp; Gas Onshore, LP</b>	<b>Location:</b>	<b>SWSE, Sec. 4, T11S, R22E</b>
<b>Well No:</b>	<b>Bitter Creek 1122-40</b>	<b>Lease No:</b>	<b>UTU-71417</b>
<b>API No:</b>	<b>43-047-39755</b>	<b>Agreement:</b>	<b>CA UTU-80666</b>

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

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

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

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

**NOTIFICATION REQUIREMENTS**

Location Construction (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.



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
4304739755	BITTER CREEK 1122-40		SWSE	4	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>A</i>	99999	<i>17026</i>	8/14/2008			<i>8/14/08</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 08/14/2008 AT 0700 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**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

8/14/2008

Date

**RECEIVED**

**AUG 14 2008**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

5. Lease Serial No.

UTU-71417

6. If Indian, Allottee or Tribe Name

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

CA: UTU-80666

8. Well Name and No.

**BITTER CREEK 1122-40**

9. API Well No.

4304739755

10. Field and Pool, or Exploratory Area

UNDESIGNATED

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)

SW/SE SEC. 4, T11S, R22E 464'FSL, 1928'FEL

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

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

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

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

SPUD WELL LOCATION ON 08/14/2008 AT 0700 HRS.

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

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Signature

Date

August 14, 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**  
AUG 19 2008  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

5. Lease Serial No.  
UTU-71417

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**BITTER CREEK 1122-40**

9. API Well No.  
4304739755

10. Field and Pool, or Exploratory Area  
UNDESIGNATED

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)  
SW/SE SEC. 4, T11S, R22E 464'FSL, 1928'FEL

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other SET SURFACE CSG

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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PROPETRO AIR RIG ON 08/14/2008. DRILLED 12 1/4" SURFACE HOLE TO 1860'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/150 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/ 200 SX PREM CLASS @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB 15 +/- BBL LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/60 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE. GOOD CMT TO SURFACE HOLE STAYED FULL. WORT.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature 	Date August 20, 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.

**RECEIVED**

**AUG 25 2008**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

**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)  
**SW/SE SEC. 4, T11S, R22E 464'FSL, 1928'FEL**

5. Lease Serial No.

**UTU-71417**

6. If Indian, Allottee or Tribe Name

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

**CA: UTU-80666**

8. Well Name and No.

**BITTER CREEK 1122-40**

9. API Well No.

**4304739755**

10. Field and Pool, or Exploratory Area

**UNDESIGNATED**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

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

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

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

FINISHED DRILLING FROM 1860' TO 8320' ON 09/15/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/305 SX PREM LITE II @11.0 PPG 3.38 YIELD TAILED CMT W/1175 SX 50/50 POZ @14.3 PPG 1.31 YIELD. FLOATS HELD W/1.5 BBLS SET MANDREL W/100K PRESSURE TEST TO 5000 PSI GOOD. CLEAN BOP NIPPLE DOWN CLEAN PITS.

RELEASED ENSIGN RIG 12 ON 09/16/2008 AT 2359 HRS.

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

Name (Printed/Typed) <b>SHYDA UPCHEGO</b>	Title <b>REGULATORY ANALYST</b>
Signature 	Date <b>September 17, 2008</b>

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
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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

SEP 22 2008

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.  
UTU-80666

8. Well Name and No.  
**BITTER CREEK 1122-40**

9. API Well No.  
4304739755

10. Field and Pool, or Exploratory Area  
UNDESIGNATED

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)  
464' FSL, 1928' FEL  
SWSE, 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 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 <b>PRODUCTION START-UP</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed 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 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 SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/21/2008 AT 1500 HRS.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date October 22, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
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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

OCT 27 2008

DIV. OF OIL, GAS & MINING

Wins No.: 95715

## BITTER CREEK 1122-40

## Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 08/17/2008	GL 5,670	KB 5684	ROUTE V45
API 4304739755	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 39.86386 / -109.45745	Q-Q/Sect/Town/Range: SWSE / 4 / 11S / 22E	Footages: 464.00' FSL 1,928.00' FEL			

## Wellbore: BITTER CREEK 1122-40

MTD 5,684	TVD 5,681	PBMD 8,270	PBTVD
<b>EVENT INFORMATION:</b>	EVENT ACTIVITY: DRILLING	START DATE: 8/14/2008	AFE NO.: 2011013
	OBJECTIVE: DEVELOPMENT	END DATE: 9/16/2008	
	OBJECTIVE 2: VERTICAL WELL	DATE WELL STARTED PROD.: 8/17/2008	
	REASON: DRILL PROD HOLE	Event End Status: COMPLETE	

<b>RIG OPERATIONS:</b>	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
PETE MARTIN DRILLING / UI	08/14/2008	08/14/2008	08/14/2008	08/14/2008	08/14/2008	08/14/2008	08/14/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
8/14/2008	<u>SUPERVISOR:</u> LEW WELDON						
	7:00 - 14:00	7.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 0700 HR 8/14/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 12 BLM AND STATE NOTIFIED OF SPUD
8/17/2008	<u>SUPERVISOR:</u> LEW WELDON						
	20:30 - 0:00	3.50	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 2030 HR 8/17/08 DA AT REPORT TIME 300'
8/18/2008	<u>SUPERVISOR:</u> LEW WELDON						
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1020'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1230'
8/19/2008	<u>SUPERVISOR:</u> LEW WELDON						
	0:00 - 13:00	13.00	DRLSUR	02		P	RIG T/D @ 1860' CONDITION HOLE 1 HR
	13:00 - 16:00	3.00	DRLSUR	05		P	TRIP DP OUT OF HOLE
	16:00 - 19:00	3.00	DRLSUR	11		P	RUN 1812' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	19:00 - 20:00	1.00	DRLSUR	15		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 THRUOUT JOB + - 15 BBL LEAD CMT TO PIT
	20:00 - 20:30	0.50	DRLSUR	15		P	1ST TOP JOB 125 SKS DOWN BS GOOD CMT TO SURFACE AND FELL BACK WOC



21:00 - 21:30	0.50	PRPSPD	08	E	P	PRE-SPUD INSPECTION ON EQUIPMENT
21:30 - 0:00	2.50	PRPSPD	07	B	Z	RIG REPAIR ON SWIVEL PACKING - WOULD NOT SEAL
9/8/2008 SUPERVISOR: KENNETH GATHINGS J						
0:00 - 0:30	0.50	PRPSPD	07	B	Z	WORK ON SWIVEL PACKING
0:30 - 2:30	2.00	PRPSPD	02	F	P	DRILL FLOAT EQUIPMENT & CEMENT (TAG CEMENT @ 1770')
2:30 - 3:00	0.50	PRPSPD	09	A	P	WIRELINE SURVEY @ 1792' - 2 deg
3:00 - 9:00	6.00	PRPSPD	07	B	Z	CLEAN PUMPS & PITS / FLOAT EQUIPMENT WAS DRILLED WITH THE SHAKERS BYPASSED - PUMPS & PITS FULL OF PLACTIC & RUBBER
9:00 - 10:00	1.00	PRPSPD	02	F	P	FINISH DRILLING CEMENT
10:00 - 15:00	5.00	DRLPRO	02	B	P	DRILL F/ 1860' - T/ 2389' (529' @ 105.8 fph) 28 vis / 8.5 ppg
15:00 - 15:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
15:30 - 16:00	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 2310' - 2.25 deg
16:00 - 0:00	8.00	DRLPRO	02	B	P	DRILL F/ 2389' - T/ 2852' (463' @ 57.87 fph) 33 vis / 8.9 ppg

9/9/2008 SUPERVISOR: KENNETH GATHINGS						
0:00 - 1:00	1.00	DRLPRO	02	B	P	DRILL F/ 2852' - T/ 2890' (28' @ 38 fph) 33 vis / 9.0 ppg
1:00 - 1:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 2814 - 2 deg
1:30 - 13:00	11.50	DRLPRO	02	B	P	DRILL F/ 2890' - T/ 3517' (627' @ 54.52 fph) 35 vis / 9.2 ppg
13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT
13:30 - 14:00	0.50	DRLPRO	02	B	P	DRILL F/ 3517' - T/ 3549' (32' @ 64 fph) 36 vis / 9.2 ppg
14:00 - 15:00	1.00	DRLPRO	07	A	Z	RIG REPAIR ON #1 DRAW- WORKS CLUTCH
15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILL F/ 3549' - T/ 4165' (616' @ 68.44 fph) 44 vis / 9.3 ppg

9/10/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS						
0:00 - 2:00	2.00	DRLPRO	02	B	P	DRILL F/ 4165' - T/ 4335' (170' @ 85 fph) 44 vis / 9.4 ppg	
2:00 - 2:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT	
2:30 - 3:00	0.50	DRLPRO	02	B	P	DRILL F/ 4335' - T/ 4398' (63' @ 126 fph) 43 vis / 9.4 ppg	
3:00 - 3:30	0.50	DRLPRO	09	A	P	WIRELINE SURVEY @ 4328' - 2.0 deg	
3:30 - 15:00	11.50	DRLPRO	02	B	P	DRILL F/ 4398' - T/ 5182' (784' @ 68.17 fph) 42 vis / 9.7 ppg	
15:00 - 15:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT	
15:30 - 22:00	6.50	DRLPRO	02	B	P	DRILL F/ 5182' - T/ 5559' (377' @ 58.0 fph) 45 vis / 9.9 ppg	
22:00 - 22:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT	
22:30 - 0:00	1.50	DRLPRO	02	B	P	DRILL F/ 5559' - T/ 5637' (78' @ 52.0 fph) 46 vis / 9.9 ppg	
9/11/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS						
0:00 - 15:00	15.00	DRLPRO	02	B	P	DRILL F/ 5637' - T/ 6126' (489' @ 32.6 fph) 50 vis / 10.3 ppg	
15:00 - 15:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT / ACTUATE PIPE RAMS	
15:30 - 0:00	8.50	DRLPRO	02	B	P	DRILL F/ 6126' - T/ 6410' (284' @ 33.41 fph) 48 vis / 10.5 ppg	
9/12/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS						
0:00 - 2:00	2.00	DRLPRO	02	B	P	DRILL F/ 6410' - T/ 6534' (124' @ 62 fph) 48 vis / 10.5 ppg	
2:00 - 2:30	0.50	DRLPRO	06	A	P	SERVICE RIG & EQUIPMENT / ACTUATE PIPE RAMS	
2:30 - 10:30	8.00	DRLPRO	02	B	P	DRILL F/ 6534' - T/ 6723' (189' @ 23.62 fph) 47 vis / 10.7 ppg	
10:30 - 11:30	1.00	DRLPRO	04	C	P	CIRCULATE & CONDITION HOLE FOR TRIP / MIX WEIGHT PILL	
11:30 - 18:00	6.50	DRLPRO	05	A	P	P.O.O.H FOR BIT #1 / TIGHT F/ 4602' - T/ 4444' - HEAVY DRAG F/ 3547' - T/ 2493' / BIT & 10' OF MOTOR BALLED UP	
18:00 - 19:00	1.00	DRLPRO	05	A	P	BREAK BIT / RECOVER SURVEY / CHANGE OUT MUD MOTORS	



0:00 - 4:00	4.00	DRLPRO	02	B	P	DRILL F/ 8170' - T/ 8320' (150' @ 37.5 fph) 49 vis / 11.2 ppg
4:00 - 5:00	1.00	EVALPR	04	C	P	CIRCULATE & CONDITION HOLE FOR SHORT TRIP / BOTTOMS UP
5:00 - 7:00	2.00	EVALPR	05	E	P	SHORT TRIP 10 STANDS / NO FILL / NO PROBLEMS
7:00 - 8:00	1.00	EVALPR	04	C	P	CIRCULATE BOTTOMS UP / CONDITION HOLE FOR LOGS
8:00 - 14:00	6.00	EVALPR	05	B	P	PUMP PILL / DROP SURVEY / P.O.O.H. FOR LOGS
14:00 - 19:00	5.00	EVALPR	08	A	P	SAFETY MEETING / M.I.R.U. HALLIBURTON LOGGING EQUIPMENT / LOG WELL F/ 8317' - T/ SURFACE W/ TRIPLE COMBO
19:00 - 23:30	4.50	EVALPR	05	E	P	MAKE UP TRI CONE BIT - T.I.H. FOR LAY DOWN
23:30 - 0:00	0.50	EVALPR	04	C	P	CIRCULATE & CONDITION HOLE FOR CASING

9/16/2008

<u>SUPERVISOR:</u>		KENNETH GATHINGS				
0:00 - 0:30	0.50	EVALPR	04	C	P	CIRCULATE & CONDITION HOLE FOR LAY DOWN
0:30 - 1:00	0.50	EVALPR	04	C	P	SAFETY MEETING / M.I.R.U. WEATHERFORD EQUIPMENT
1:00 - 9:00	8.00	CSG	05	D	P	PUMP PILL / L.D.D.P. / BREAK KELLY & RELATED EQUIPMENT / L.D.B.H.A. / PULL WEAR BUSHING
9:00 - 10:00	1.00	CSG	11	A	P	SAFETY MEETING / RIG UP CASING EQUIPMENT
10:00 - 15:30	5.50	CSG	11	B	P	RUN 200 JTS 4 1/2 #11.0 I-80 LT&C CASING / FILL CASING AT SELECTED INTERVALS / TAG @ 8314'
15:30 - 16:00	0.50	CSG	11	B	P	INSTALL MANDREL + ROTATING RUBBER / CASING SET @ 8317'
16:00 - 17:00	1.00	CSG	04	E	P	CIRCULATE & CONDITION HOLE FOR CEMENT / R.D.M.O. WEATHERFORD EQUIPMENT
17:00 - 17:30	0.50	CSG	04	E	P	SAFETY MEETING / M.I.R.U. HALLIBURTON
17:30 - 19:30	2.00	CSG	15	A	P	TEST PUMPS & LINES TO 3000 PSI / PUMP 10 bbls H2O + 20 bbls MUD CLEAN + 10 bbls H2O + 20 sx SCAVENGER @ 9.0 ppg + 305 sx LEAD @ 11.0 ppg + 1175 sx TAIL @ 14.3 ppg + 129 bbls H2O + ADDITIVES / PLUG DOWN @ 1946 HRS / HELD 2853 PSI @ 5 MINS / FLOATS HELD W/ 1.5 bbls RETURNED TO INVENTORY / CIRCULATE 2 BBLs SCAVENGER TO RESERVE PIT R.D.M.O. HALLIBURTON EQUIPMENT.





Wins No.:	BITTER CREEK 1122-40					API No.:	4304739755
7:30 - 17:00	9.50	COMP	36	B	P	<p>STG 3) PU 4 1/2, 8K BAKER CBP &amp; 3 3/8, EXP GUN, 23 GM, .36 HOLE. 120 DEG PHASING. OPEN WELL 1500#. RIH SET CBP @ 7750', P/U PERF F/ 7703'-10', 3 SPF, 21 HOLES. 7670'-74', 3 SPF, 12 HOLES. 7639'-42', 3 SPF, 9 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 155#. BRK @ 3946# @ 2.8 BPM. SD ISIP 2766#, FG .80. BEG FRAC, PUMP 117,619#, 30/50 WHITE, TAIL IN W/ 5000# TLC, 20/40. SD ISIP 2926#, FG .82. X-OVER FOR W.L..</p> <p>STG 4) PU 4 1/2, 8K BAKER CBP &amp; 3 3/8, EXP GUN, 23 GM, .36 HOLE. 90 &amp; 120 DEG PHASING. RIH SET CBP @ 7380', P/U PERF F/ 7346'-50', 4 SPF, 16 HOLES. 7334'-38', 4 SPF, 16 HOLES. 7264'-66', 3 SPF, 6 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 0#. BRK @ 4241# @ 2.6 BPM. PUMP THIS STG @ 40 BPM. PUMP 11,866#, 30/50 WHITE, TAIL IN W/ 5000# TLC 20/40. SD ISIP 2102#, FG .73. X-OVER FOR W.L.</p> <p>STG 5) PU 4 1/2, 8K BAKER CBP &amp; 3 3/8, EXP GUN, 23 GM, .36 HOLE. 90 DEG PHASING. RIH SET CBP @ 7017' P/U PERF F/ 6979'-87', 4 SPF, 32 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 0#. BRK @ 4937# @ 2.9 BPM. SD ISIP 2760#, FG .84. BEG FRAC PUMP 33,352# 30/50 WHITE, TAIL IN W/ 5000# 20/40 TLC. SD ISIP 2917#, FG .86. X-OVER FOR W.L.</p> <p>STG 6) PU 4 1/2, 8K BAKER CBP &amp; 3 3/8 EXP GUN, 23 GM, .36 HOLE. 90 DEG PHASING. RIH SET CBP @ 5497', P/U PERF F/ 5454'-57', 4 SPF, 12 HOLES. 5320'-27', 4 SPF, 28 HOLES. POOH. X-OVER FOR FRAC CREW. OPEN WELL 200#. BRK @ 1861# @ 4.7 BPM. SD ISIP 1126#, FG .65. BEG FRAC, THIS FRAC DOES NOT INCLUDE ANY RESIN. PUMP 54,555# 30/50 WHITE. SD ISIP 1923#, FG .80 X-OVER FOR W.L. PU 4 1/2, 8K BAKER CBP. RIH SET @ 5282'. POOH. RD MO CUTTERS &amp; WEATHERFORD FRAC SERV. BLEED OFF WELL. ND FRAC VALVES, NU BOP. PU 3 7/8 BIT + X-DART + POBS + XN-NIPPLE ( 1.875" ). RIH W/ TBG. EOT @ 5238'. SWI, SDFN.</p>	
10/16/2008	SUPERVISOR: DAVID DANIELS						
7:00 - 7:30	0.50	COMP	48		P	HSM	

Time	Day	Time	Comp	44	C	P	Description
7:30 - 17:00		9.50	COMP				<p>OPEN WELL 0#. RU DRL EQUIP &amp; PUMP &amp; LINES. BRK CONV CIRC. BEG DRL OUT.</p> <p>CBP 1)TAG FILL @ 5272'=10' FILL. DRL OUT CBP @ 5882' 12 MIN. 500# INCR. CONT RIH.</p> <p>CBP 2)TAG FILL @ 5457'=40' FILL. DRL OUT CBP @ 5497' IN 6 MIN. 100# INCR. CONT RIH.</p> <p>CBP 3)TAG FILL @ 6987'=30' FILL. DRL OUT CBP @ 7017' IN 8 MIN. 100# INCR. CONT RIH.</p> <p>CBP 4)TAG FILL @ 7350'=30' FILL. DRL OUT CBP @ 7380' IN 9 MIN. 400# INCR. CONT RIH</p> <p>CBP 5)TAG FILL @ 7710'=30' FILL. DRL OUT CBP @ 7740' IN 10 MIN. 600# INCR. CONT RIH.</p> <p>CBP 6)TAG FILL @ 7995'=30' FILL. DRL OUT CBP @ 8025' IN 6 MIN. 800# INCR. CONT RIH.</p> <p>TAG CMT @ 8258' C/O T/ PBTD @ 8270', CIRC WELL W/ 30 BBLS 2 % KCL. RD DRL, POOH. LD 20 JTS 2 3/8, J-55 TBG ON TBG TRAILER &amp; 86 JTS ON THE GROUND FOR AFTER PROD LOG IN THE FUTURE. PU 4 1/16 TBG HNGR &amp; LAND WELL W/ KB HNGR 164 JTS, 2 3/8, J-55 XN-NIPPLE ( 1.875)</p> <p>EOT @</p> <p>ND BOP, NU WH. DROP BALL. PUMP BIT OFF W/ 20 BBLS 2% KCL. SWI FOR 30 MIN LET BIT FALL. OPEN WELL PIT TURN WELL OVER T/ FLOW BACK CREW. SICP 900#, FTP 50# RACK OUT RIG EQUIP, RD RIG MO. SDFWE. WAIT ON BITTER CREEK 1122-4K T/ FINISH BEING BUILT. LOC T/ BE FINISHED.</p> <p>AZTEC COUNT 270 JTS. RIG COUNT 270 JTS. IN WELL 164 JTS. ON GROUND FOR AFTER PROD LOG 86 JTS. SENT BACK 20 JTS.</p>
10/17/2008	<u>SUPERVISOR:</u> KEN	7:00 -		33	A		<p>7 AM FLBK REPORT: CP 1100#, TP 600#, 22/64" CK, 41 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 807 BBLS LEFT TO RECOVER: 9934</p>
10/18/2008	<u>SUPERVISOR:</u> KEN	7:00 -		33	A		<p>7 AM FLBK REPORT: CP 1350#, TP 600#, 26/64" CK, 40 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 1812 BBLS LEFT TO RECOVER: 8929</p>
10/19/2008	<u>SUPERVISOR:</u> KEN	7:00 -		33	A		<p>7 AM FLBK REPORT: CP 900#, TP 350#, 26/64" CK, 35 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 2714 BBLS LEFT TO RECOVER: 8027</p>
10/20/2008	<u>SUPERVISOR:</u> JAMES BETHERS	7:00 -		33	A		<p>7 AM FLBK REPORT: CP 800#, TP 450#, 26/64" CK, 32 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3545 BBLS LEFT TO RECOVER: 7196</p>
		15:00 -	PROD				<p>WELL TURNED TO SALES @ 1500 HR ON 10/20/2008 - FTP 950#, CP 1700#, CK 20/64", 1000 MCFD, 720 BWPD</p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
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: SHEILA UPCHEGO  
 Mail: sheila.upchegeo@anadarko.com

3. Address: 1368 SOUTH 1200 EAST  
 VERNAL, UT 84078  
 3a. Phone No. (include area code)  
 Ph: 435-781-7024

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface SWSE 464FSL 1928FEL  
 At top prod interval reported below SWSE 464FSL 1928FEL  
 At total depth SWSE 464FSL 1928FEL

6. If Indian, Allottee or Tribe Name  
 7. Unit or CA Agreement Name and No.  
 CA UTU80666

8. Lease Name and Well No.  
 BITTER CREEK 1122-40

9. API Well No.  
 43-047-39755

10. Field and Pool, or Exploratory  
 UNESIGNATED

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  
 08/14/2008  
 15. Date T.D. Reached  
 09/15/2008  
 16. Date Completed  
 D & A  Ready to Prod.  
 10/21/2008

17. Elevations (DF, KB, RT, GL)\*  
 5670 GL

18. Total Depth: MD 8320 TVD  
 19. Plug Back T.D.: MD 8270 TVD  
 20. Depth Bridge Plug Set: MD TVD

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		1860		535			
7.875	4.500 I-80	11.6		8320		1480			

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	5144							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5320	5457	5320 TO 5457	0.360	40	OPEN
B) MESAVERDE	6979	8257	6979 TO 8257	0.360	196	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
5320 TO 5457	PMP 1,366 BBLs SLICK H2O & 54,555# 30/50 OTTOWA SD
6979 TO 8257	PMP 9,375 BBLs SLICK H2O & 348,071# 30/50 OTTOWA SD

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
10/21/2008	10/24/2008	26	→	0.0	857.0	528.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 350 SI	Csg. Press. 650.0	24 Hr. Rate →	0	857	528	Gas:Oil Ratio	Well Status	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
10/21/2008	10/24/2008	26	→	0.0	857.0	528.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 350 SI	Csg. Press. 650.0	24 Hr. Rate →	0	857	528	Gas:Oil Ratio	Well Status	PGW

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	917				
MAHOGANY	1579				
WASATCH	3910	6268			
MESAVERDE	6290	8268			

32. Additional remarks (include plugging procedure):

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

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 #65597 Verified by the BLM Well Information System.  
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (please print) SHEILA UPCHEGO Title OPERATIONS

Signature  Date 12/15/2008

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.

\*\* ORIGINAL \*\*

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.

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

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.  
BITTER CREEK 1122-40

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

9. API Well No.  
4304739755

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)

SW/SE SEC. 4, T11S, R22E 484'FSL, 1928'FEL

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 checked="" 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 <u>COMMINGLE</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports 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.)

THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMMINGLED THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION ON 10/21/2008 AT 1500 HRS.

COPY SENT TO OPERATOR

Date: 1.8.2009  
Initials: KS

RECEIVED  
DEC 18 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 12/15/2008

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

Approved by

Title Pet Eng

Date 1/6/09

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

Office DOG

Federal Approval Of This  
Action Is Necessary

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

(Instructions on page 2)

\* Cause 210-04

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-71417
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> BITTER CREEK 1122-40
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047397550000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6100
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0464 FSL 1928 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 04 Township: 11.0S Range: 22.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> BITTER CREEK  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/20/2015</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> 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 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: 100px;" type="text"/>

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

Kerr-McKee Oil & Gas Onshore, LP respectfully requests to repair the casing leak between the surface and production casing on the Bitter Creek 1122-40 well. Please see the attached procedure for details.  
 Thank you.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**

Date: August 20, 2015  
 By: *Derek Duff*

<b>NAME (PLEASE PRINT)</b> Kristina Geno	<b>PHONE NUMBER</b> 720 929-6824	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/20/2015	

**Bitter Creek 1122-40****WO#****Bradenhead Issue**

**SWSE – Section 4– T11S – R22E**  
**Uintah County, UT**

**DATE:** 8/18/2015      **ELEVATIONS:**      5670' GL                      5684' KB

**TOTAL DEPTH:**      8,313'                      **PBTD:** 8,274'

**SURFACE CASING**                      9.625", 36.0#, J-55 ST&C @ 1826'. Cemented with 150 sxs (3.82 yield) 11 PPG & 200 sxs (1.15 yield) 15.8 ppg tail. Performed top Jobs (total 185 sxs cement) and cement stayed @ surface. TOC @ surface.

**PRODUCTION CASING:**                      4.5", 11.6#, I-80 LT&C @ 8313'.  
 Cemented with 20sxs scavenger followed by 305 sxs 11 ppg lead followed by 1175 sxs 14.3 ppg tail. TOC @ ±155'.

**PRODUCTION TUBING:**                      2 3/8", 4.7#, J-55 @ 5145' (landed high for a prod log in 2008 and it is still there)

**TUBULAR PROPERTIES:**

	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7100	0.1624	0.02171	0.00387
4.5" 11.6# I-80 csg	3.875	6350	7780	0.6528	0.0872	0.0155
2.375" X 4.5" annulus				0.4227	0.0565	0.0101

**TOPS:**

917' Green River Top  
 ' Bird's Nest Top  
 1579' Mahogany Top  
 3910' Wasatch Top  
 6290' Mesaverde Top

**BOTTOMS:**

T.O.C. @ ±155'

**PERFORATIONS:**

Zone Name	Date	MD Top (ft)	MD Base (ft)	Shot Density (SPF)
		<b>Tubing Landed @ 5145' in 2008 for a prod log and it is still there</b>		
Wasatch	5320	5320	5327	4
Wasatch	5454	5454	5457	4
Mesaverde	6979	6979	6987	4
Mesaverde	7264	7264	7266	3
Mesaverde	7334	7334	7338	4
Mesaverde	7346	7346	7350	4
Mesaverde	7639	7639	7642	3
Mesaverde	7670	7670	7674	3
Mesaverde	7703	7703	7710	3
Mesaverde	7877	7877	7880	3
Mesaverde	7914	7914	7918	3
Mesaverde	7984	7984	7991	3
Mesaverde	8134	8134	8137	3
Mesaverde	8216	8216	8220	3
Mesaverde	8250	8250	8257	3

**CONTACT INFORMATION:**

IOC		435-781-9751
FOREMAN	Jason Hackford	435-790-6793
MECHANICAL LEAD	Jim Houghton	435-790-6903
OPERATOR	Cody Johnson	801-828-6505
OPERATOR	Caleb Gray	435-828-8951
ENGINEER	Robert Miller	435-828-6510

**Relevant History:**

- 10/16/2008: **Completed** - in the Wasatch & Mesaverde. Cleaned out to 8270'. Landed 2 3/8" J-55 tubing with EOT at 5145'. Landed tbg high for a prod log.
- 11/13/2008: **Prod Log**- Ran a production log
- 03/19/2015: **slickline** – Pulled spring and ran sample bailer to 7583'. Ran 1.9" broach to SN.
- 08/4/2015: **slickline** – Pulled spring and ran sample bailer to 7580' (tight spots from 4800'-5136'). Ran 1.9" broach to SN.
- 08/14/2015: **slickline** – Ran JDC to 510'. Couldn't latch plunger.

**Symptoms:**

- The well has communication between the prod and surface casing and the PRV has popped off multiple times. The well is being intermittent and has loss up to 41

(MBX). The well is a safety and environmental issue and cannot produce effectively till it is fixed.

**Procedure Outline:**

- MIRU. Kill well and un-land tubing. NDWH wellhead and NUBOPE.
- TIH and tag for fill (inform engineering of depth for possible cleanout).
- TOO H scanning tubing. Scan as normal until bad pipe is encountered. After finding bad pipe, break every connection to inspect the pins and upsets. (Once back in good pipe, you do not need to inspect every connection).
- Take solid samples (inside & outside of tubing), if available, and submit to engineer.
- TIH w/ 4.5" packer to locate hole. POOH.
- RU wireline; RIH w/ 4.5" CBP & set below hole. Pump down casing to establish injection rate; if injection rate cannot be established, RIH w/ casing punch gun & shoot at depth of hole. RD wireline. Might use an external casing patch if top joint is leaking.
- RU cement crew; pump cement down production casing until returns are seen up surface casing. RD cement crew.
- RIH with 3.875" mill, mill up excess cement & pressure test casing. If test passes, mill up CBP
- If cleanout is warranted, get with engineering. If using a foam unit, make sure to circulate well good to help get it kicked off.
  - Get scale and corrosion samples and give to engineer.
- Land tubing at  $\pm 7600$  (deeper than before). Broach tubing with 1.910" broach and return to production.
- NDBOPE and NUWH.
- Notify CDC, foreman, & operators of RDMOL.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71417
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: BITTER CREEK 1122-40
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0464 FSL 1928 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 04 Township: 11.0S Range: 22.0E Meridian: S	9. API NUMBER: 43047397550000
PHONE NUMBER: 720 929-6100	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: 9/23/2015	<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 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.

Kerr-McGee Oil & Gas Onshore, LP completed casing repair operations on the Bitter Creek 1122-40 well. Please see the operations summary report for details. Thank you.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 08, 2015

<b>NAME (PLEASE PRINT)</b> Kristina Geno	<b>PHONE NUMBER</b> 720 929-6824	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/6/2015	

US ROCKIES REGION  
**Operation Summary Report**

Well: BITTER CREEK 1122-40		Spud Conductor: 8/14/2008		Spud date: 8/17/2008				
Project: UTAH-UINTAH		Site: BITTER CREEK 1122-40		Rig name no.: MILES 2/2				
Event: WELL WORK EXPENSE		Start date: 9/14/2015		End date: 9/18/2015				
Active datum: RKB @5,684.00usft (above Mean Sea Level)			UWI: BITTER CREEK 1122-40					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
9/14/2015	10:00 - 13:45	3.75	MAINT	30	A	P		ROAD TO LOCATION FROM BITTER CREEK 9-2. MIRU. SICP= 450#. FTP= 130#. 0# ON SURFACE CSNG. BLOW DOWN WELL TO PRODUCTION TANKS. CNTRL TBNG W/ 20BBLS TMAC (NOT PLUGGED). CNTRL CSNG W/ 15BBLS TMAC. NDWH. UN-LAND TBNG (NOT STUCK). LAND TBNG BACK ON HANGER. NUBOP. R/U FLOOR & TBNG EQUIP. SET UP PIPE WRANGLER, RACKS ETC. MIRU SCANNERS.
	13:45 - 16:00	2.25	MAINT	45	A	P		HSM W/ SCANNERS. POOH WHILE SCANNING 164JTS 2-3/8" J-55 TBNG. L/D AS SINGLES FOR BETTER INSPECTION. SCAN RESULTS AS FOLLOWS:\n\nY-BND = 162JTS.\nB-BND = 1JT\nBB-BND= 0JTS\nR-BND = 1JT. DUE TO WALL LOSS & PITTING. JT #164. TBNG STRING VERY CLEAN. NO INTERNAL OR EXTERNAL SCALE. NO HOLES FOUND IN TBNG STRING.\n\nRDMO SCANNERS. SWIFN. SDFN. LOCK RAMS. CSNG TO SALES. \n
9/15/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY= JSA.
	7:15 - 9:00	1.75	MAINT	34	I	P		FCP= 60#. BLOW DOWN TO FLOWBACK TANK. CNTRL CSG W/ 20BBLS TMAC. MIRU WIRELINE. P/U & TIH W/ 4-1/2" GR-JB TO 5300' (GOOD). POOH. P/U i RIH W/ 4-1/2" HAL 8K CBP. SET CBP @ 5270'. POOH E-LINE. RDMO E-LINE.
	9:00 - 12:00	3.00	MAINT	52	F	P		LOAD 4-1/2" PRODUCTION CSNG W/ 30BBLS TMAC. P/T CSG GOOD @ 1500#. LOST 5# IN 10MIN & NO COMMUNICATION W/ SURFACE. HAD TO REPEAT TEST 3 TIMES UNTIL GAS WORKED OUT OF CSNG. HOOK UP PUMP TO 9-5/8" SURFACE CSNG, PUMP 15BBLS INTO CSNG & CATCH PRESSURE. PRESSURE UP TO 1500#. LOST 500# IN 3MIN. REPEAT TEST 3 TIMES W/ SAME RESULT. NOT ENOUGH RATE TO PERFORM TOP DOWN CSNG SQZ.
	12:00 - 15:30	3.50	MAINT	30		P		SPEAK W/ ENGINEERING. DECIDED TO REMOVE TBNG HEAD, UN-LAND CSNG & 1" SURFACE CSNG. R/D FLOOR & TBNG EQUIP. NDBOP. REMOVE TBNG HEAD. FOUND SPOOL PIECE BELOW TBNG HEAD. DIG OUT SPOOL PIECE. REMOVE SPOOL PIECE. FOUND 4-1/2" PRODUCTION CSNG LANDED ON A SOLID MANDREL. NOT ABLE TO 1" SURFACE CSNG. NU ALL WELLHEAD COMPONENTS. SWIFN. SDFN. MAKE ARRANGEMENTS TO WORK ON SURFACE CSNG IN THE AM.
9/16/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA & HOT WORK PERMIT.
	7:15 - 8:30	1.25	MAINT	53	B	P		MIRU ROUSTABOUT CREW. EXPOSE 9-5/8" SURFACE CSNG W/ BACKHOE. MIRU WELDER. CUT WINDOW IN 9-5/8" CSNG.

## US ROCKIES REGION

## Operation Summary Report

Well: BITTER CREEK 1122-40	Spud Conductor: 8/14/2008	Spud date: 8/17/2008
Project: UTAH-UINTAH	Site: BITTER CREEK 1122-40	Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE	Start date: 9/14/2015	End date: 9/18/2015
Active datum: RKB @5,684.00usft (above Mean Sea Level)	UWI: BITTER CREEK 1122-40	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	8:30 - 9:30	1.00	MAINT	51	B	P		MIRU CMT CREW. RIH W/ 1" POLY PIPE INSIDE 4-1/2" X 9-5/8" ANNULUS. MIX & PUMP 30SX 15.8# NEAT G CMT. CMT @ SURFACE. WATCH FOR 20MIN & HOLDING SOLID. RDMO CMT CREW.
	9:30 - 10:30	1.00	MAINT	53	C	P		MIRU WELDER. WELD EXTERNAL CSNG PATCH ON 9-5/8" SURFACE CSNG. BACKFILL WELLHEAD. JOB COMPLETE.
	10:30 - 12:00	1.50	MAINT	30	F	P		NUBOP. R/U FLOOR & TBNG EQUIP. TIE RIG BACK DOUBLE FAST. PRESSURE TEST 4-1/2" PRODUCTION CSNG GOOD @ 1500#. LOST 5# IN 15MIN. BLEED OFF PRESSURE.
	12:00 - 15:00	3.00	MAINT	31	I	P		PREP & TALLY TBNG ON PIPE RACKS. P/U & RIH W/ 3-7/8" MILL + POBS+80JTS 2-3/8" TBNG. TOO WINDY TO RIH W/ TBNG (CROSS THREADING PIPE). SWIFN. SDFN. LOCK RAMS. WAITED ON WIND TO LET UP +/- 1HR. RIG COMPANY SERVICED RIG & EQUIP.
9/17/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 9:30	2.25	MAINT	31	I	P		0# ON WELL. 0# ON SURFACE CSG. CONT RIH W/ 3-7/8" MILL, POBS, 1.875" XN & 2-3/8" MIX STRING TBNG (J-55 & P-110). T/U ON CBP @5270' W/ 168JTS TOTAL + BHA. BROACH ALL TBNG GOOD WHILE RIH W/ 1.910" BROACH. R/U POWER SWIVEL.
	9:30 - 10:30	1.00	MAINT	31	N	P		MIRU N2 FOAM UNIT. BREAK CONV CIRC TO FLOWBACK TANK IN 35MIN. D/O CBP @ 5270' IN 6MIN W/ 200# DIFFERENTIAL PRESSURE. CNTRL TBNG W/ 10BBLS TMAC & REMOVE TSF. HANG BACK POWER SWIVEL.
	10:30 - 11:15	0.75	MAINT	31	I	P		CONT RIH W/ 3-7/8" MILL & MIX STRING TBNG. T/U ON SCALE @7876' W/ 244JTS MIX STRING TBNG + BHA. R/U POWER SWIVEL.
	11:15 - 14:00	2.75	MAINT	31	N	P		R/U N2 FOAM UNIT. BREAK CONV CIRC IN 1HR. D/O HEAVY SCALE F- 7876' TO 7969'. FALL THRU. CONT RIH TBNG TO 8098' W/ 257JTS TBNG + BHA. ENGINEERING WANTED TO LEAVE BOTTOM PERFS COVERED DUE TO HIGH WATER INFLOW FROM ZONES. MIX & PUMP 10BBL SWEEP. CIRC WELLBORE CLEAN FOR 35MINS UNTIL SWEEP CAME BACK IN RETURNS.
	14:00 - 17:00	3.00	MAINT	31	I	P		CNTRL TBNG W/ 15BBLS TMAC. R/D POWER SWIVEL. POOH WHILE L/D 22JTS EXCESS TBNG. CONT POOH WHILE STD BACK 235JTS MIX STRING TBNG. L/D POBS & MILL. P/U & RIH W/ NEW 1.875" XN-NOTCH COMBO NIPPLE & 60JTS 2-3/8" TBNG. SWIFN. SDFN LOCK RAMS.
9/18/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.

**US ROCKIES REGION**  
**Operation Summary Report**

Well: BITTER CREEK 1122-40		Spud Conductor: 8/14/2008	Spud date: 8/17/2008
Project: UTAH-UINTAH		Site: BITTER CREEK 1122-40	Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE		Start date: 9/14/2015	End date: 9/18/2015
Active datum: RKB @5,684.00usft (above Mean Sea Level)		UWI: BITTER CREEK 1122-40	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 12:00	4.75	MAINT	31	I	P		SICP= 500#. SITP= 350#. SURFACE CSG= 0#. BLOW DOWN CSG TO FLOWBACK TANK. BLOW DOWN TBG TO FLAT TANK. CONT RIH W/ 1.875" XN + REMAINDER OF 2-3/8" MIX STRING TBNG (J-55 & P-110). BROACH ALL TBNG GOOD WHILE TIH W/ 1.910" BROACH. LAND TBNG ON HANGER. R/D FLOOR & TBNG EQUIP. NDBOP. NUWH. SHUT WELL IN. RDMOL.\n\nPRODUCTION TBNG LANDED AS FOLLOWS:\nK.B.= 14.00\nHANGER= .83\n74JTS NEW 2-3/8" P-110 TBNG= 2347.02\n2-3/8" P-110 PUP JT= 6.18\n161JTS 2-3/8" J-55 Y-BND TBG= 5038.26\n1.875" XN-NOTCH NIPPLE= 1.05\nEOT @ 7407.34\n\nTWLTR= 35BBLS \nPOP OFF RE-INSTALLED ON SURFACE & VALVE LOCKED OPEN. 0# ON SURFACE CSNG.
9/21/2015	7:00 - 12:00	5.00	PROD	42		P		SWABBING FL 3500
9/22/2015	7:00 - 12:00	5.00	PROD	42		P		SWABBING FL 3500
9/23/2015	7:00 - 10:00	3.00	PROD	42		P		SWABBING FL 3500