

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER


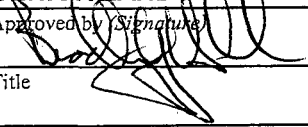
FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

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>	3b. Phone No. (include area code) <b>(435) 781-7024</b>	8. Lease Name and Well No. <b>BITTER CREEK 1122-4G</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>SW/NE 2804'FNL, 2090'FEL</b> At proposed prod. Zone <b>631899X 4416524Y -109.457325</b>		9. API Well No. <b>43047-39752</b>
10. Field and Pool, or Exploratory <b>UNDESIGNATED Bitter Creek</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>35.7 +/- 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>2090'</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>8310'</b>	20. BLM/BIA Bond No. on file <b>BOND NO. WYB000291</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5628'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:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. 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>10/25/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>10-10-08</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

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

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

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

T10S  
T11S

S89°51'16"W - 2647.97' (Meas.)

S89°51'44"W - 2643.75' (Meas.)

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

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

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

LOT 4

LOT 3

LOT 2

LOT 1

LOT 5

LOT 6

LOT 7

LOT 8

N00°01'15"E - 3128.10' (Meas. To C.C.)  
N00°01'15"E - 3128.13' (Meas. To True)

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

N00°03'W 2640.00' (G.L.O.)

N00°02'W 2640.00' (G.L.O.)

BITTER CREEK #1122-4G

Elev. Ungraded Ground = 5628'

2090'

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

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

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.

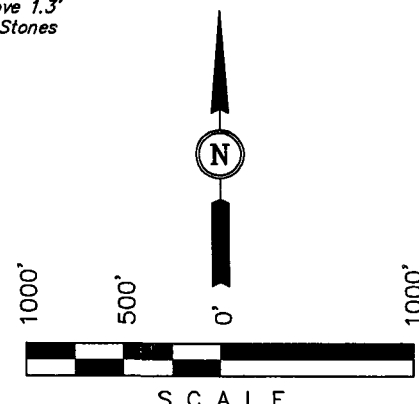
N89°50'W 5302.44' (G.L.O.)

BASIS OF BEARINGS

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

LEGEND:

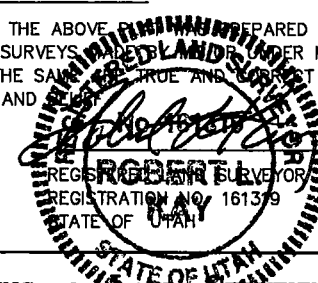
- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.



(NAD 83)  
LATITUDE = 39°53'25.77" (39.890492)  
LONGITUDE = 109°27'28.91" (109.458031)  
(NAD 27)  
LATITUDE = 39°53'25.89" (39.890525)  
LONGITUDE = 109°27'26.45" (109.457347)

CERTIFICATE

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



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

SCALE 1" = 1000'	DATE SURVEYED: 06-05-07	DATE DRAWN: 06-12-07
PARTY L.D.K. J.R. L.A.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

**BITTER CREEK 1122-4G  
SW/NE 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	930'
Top of Birds Nest Water	1237'
Mahogany	1563'
Wasatch	3934'
Mesaverde	6319'
MVU2	7284'
MVL1	7913'
TD	8310'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	930'
	Top of Birds Nest Water	1237'
	Mahogany	1563'
Gas	Wasatch	3934'
Gas	Mesaverde	6319'
Gas	MVU2	7284'
Gas	MVL1	7913'
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 8310' TD, approximately equals 5152 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3324 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variances:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*



# KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE October 25, 2007  
 WELL NAME BITTER CREEK 1122-4G TD 8,310' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,627' GL KB 5,642'  
 SURFACE LOCATION SW/NE SEC. 4, T11S, R22E 2804'FNL, 2090'FEL BHL Straight Hole  
 Latitude: 39.890492 Longitude: 109.458031  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDGOM, Tri-County Health Dept.

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 3,934'					
	Green River @	0,930'			
	Top of Birds Nest Water @	1,237'			
	Mahogany @	1,563'			
		1,800' MD			
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD Open hole logging program f/ TD - surf csg					
	Wasatch @	3,934'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.2 ppg
	Mverde @	6,319'			
	MVU2 @	7,284'			
	MVL1 @	7,913'			
					Max anticipated Mud required 11.2 ppg
		TD @ 8,310'			



# **KERR-McGEE OIL & GAS ONSHORE LP** **DRILLING PROGRAM**

## **CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 1800	32.30	H-40	STC	0.75*****	1.63	4.99
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8310	11.60	I-80	LTC	2.58	1.31	2.39

- 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 3012 psi

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

## **CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	1500	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	3,430'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	380	60%	11.00	3.38
	TAIL	4,880'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1370	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.

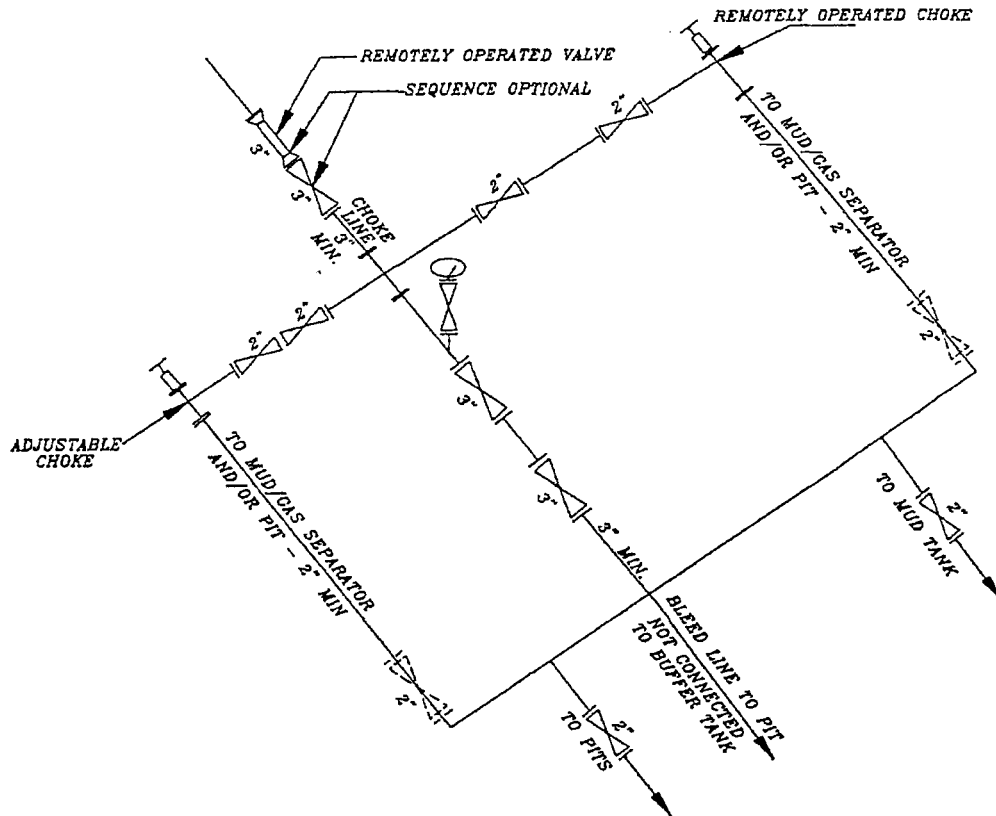
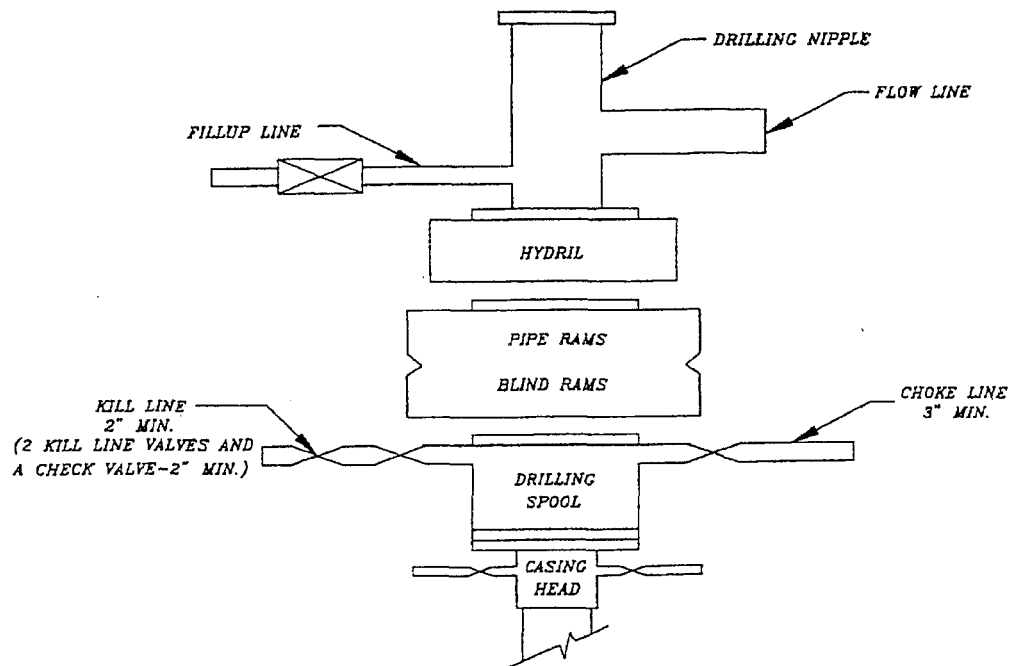
DRILLING ENGINEER: \_\_\_\_\_  
Brad Laney

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

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

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

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**BITTER CREEK 1122-4G  
SW/NE 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 180' +/- of access road is proposed. Refer to Topo Map B for the access road.

Approximately 210' +/- of re-route 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.

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

Approximately 1150' +/- 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                      20 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 25, 2007  
Date

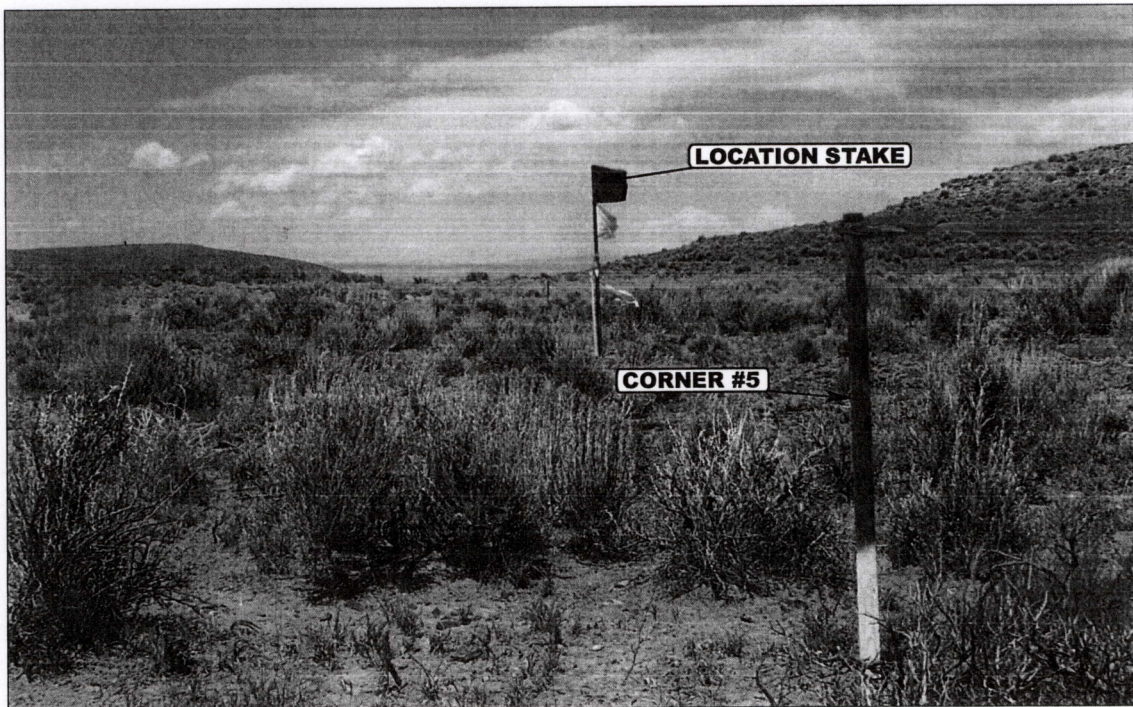
Kerr-McGee Oil & Gas Onshore LP  
BITTER CREEK #1122-4G  
SECTION 4, T11S, R22E, S.L.B.&M.

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 SOUTHWESTERLY DIRECTION APPROXIMATELY 2.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 150' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.5 MILES.



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



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE**

**CAMERA ANGLE: NORTHEASTERLY**



**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS**

**CAMERA ANGLE: SOUTHEASTERLY**



- Since 1964 -

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

**LOCATION PHOTOS**

**06** **12** **07**  
MONTH DAY YEAR

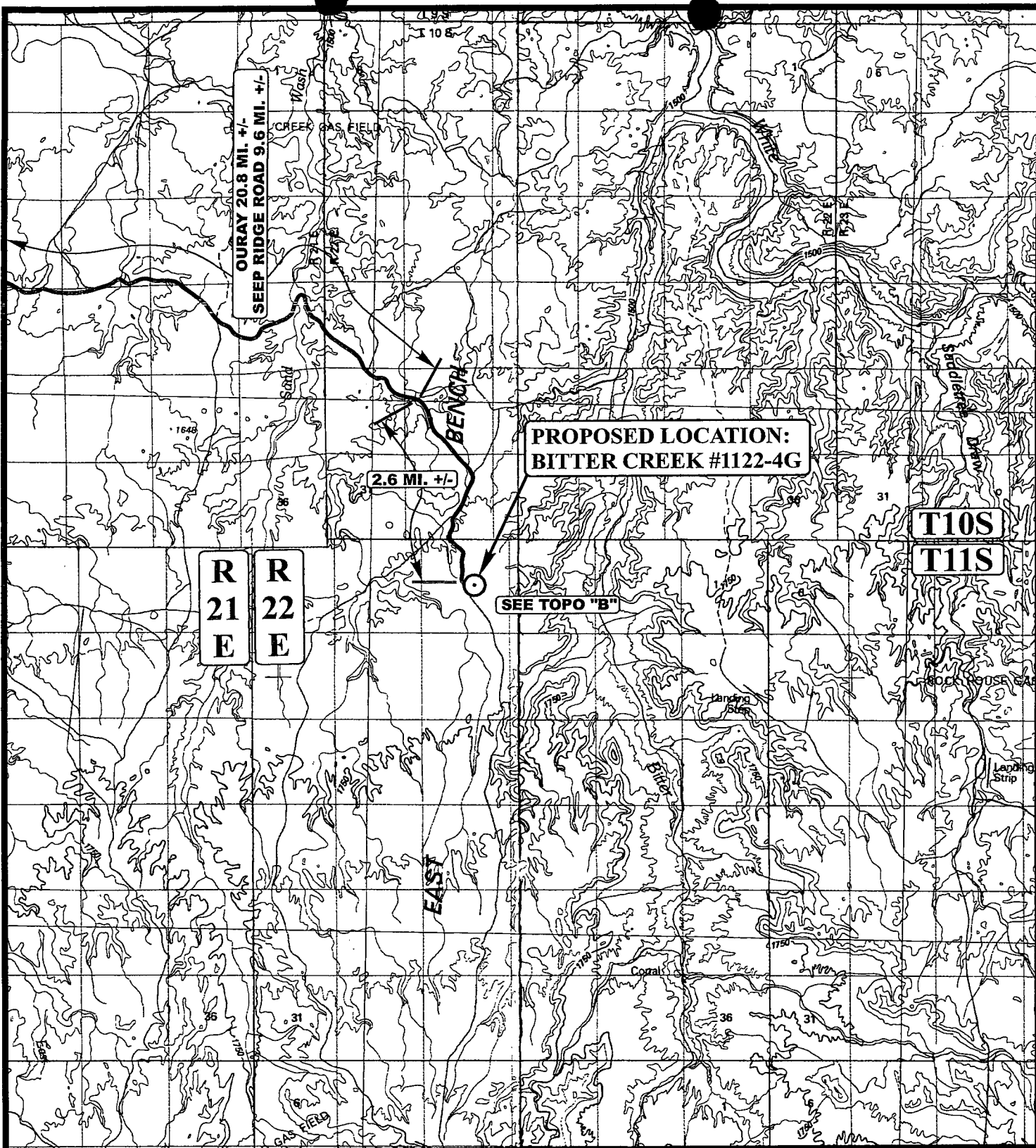
**PHOTO**

**TAKEN BY: L.K.**

**DRAWN BY: C.P.**

**REVISED: 00-00-00**





# LEGEND:

○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

BITTER CREEK #1122-4G  
SECTION 4, T11S, R22E, S.L.B.&M.  
2804' FNL 2090' FEL



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



TOPOGRAPHIC  
MAP

06 12 07  
MONTH DAY YEAR

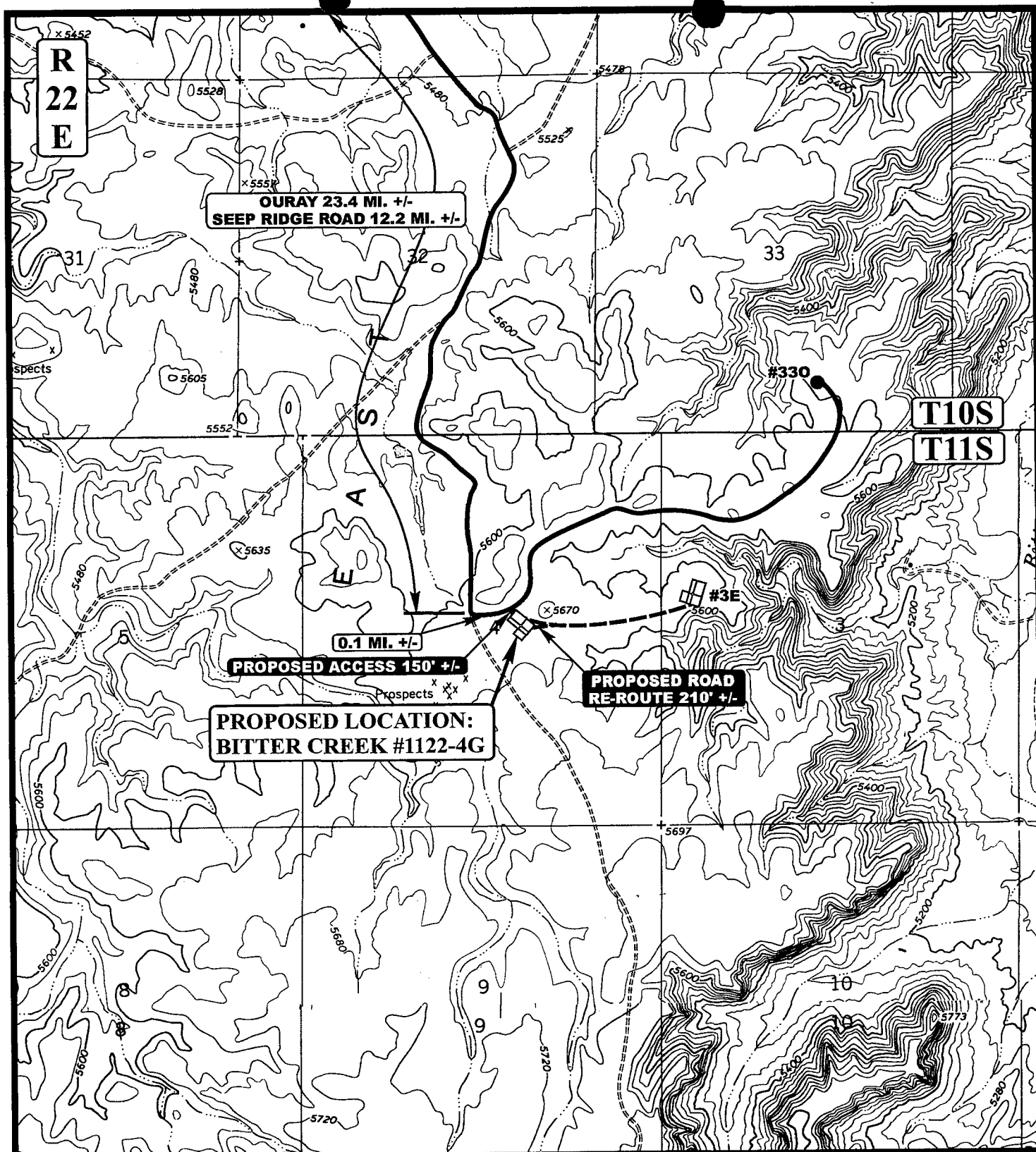
SCALE: 1:100,000

DRAWN BY: C.P.

REVISED: 00-00-00







# **LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD
- - - - - PROPOSED ROAD RE-ROUTE



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

**BITTER CREEK #1122-4G**  
**SECTION 4, T11S, R22E, S.L.B.&M.**  
**2804' FNL 2090' FEL**

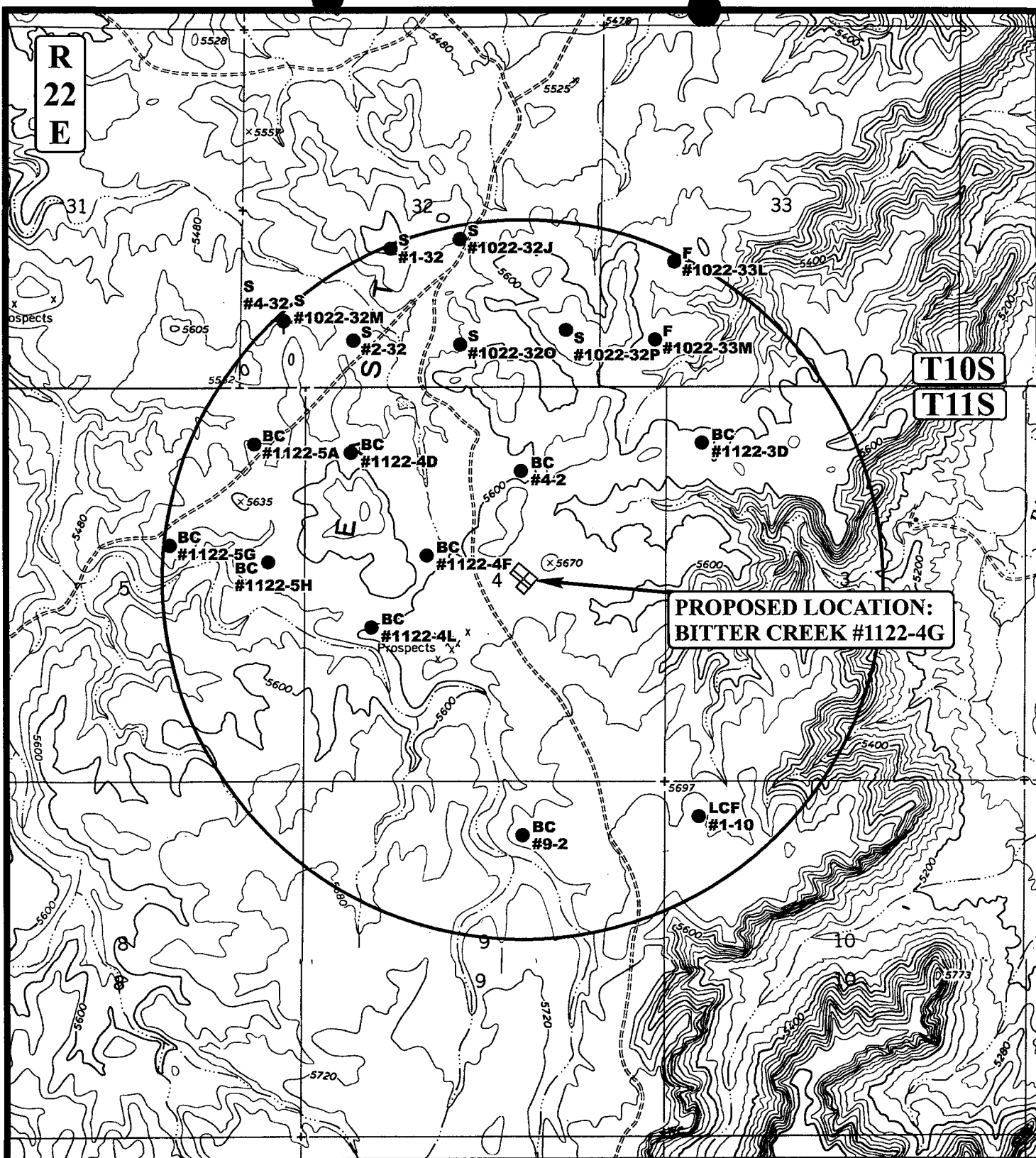


**TOPOGRAPHIC  
MAP**

**06 12 07**  
 MONTH DAY YEAR

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

**B  
TOPO**



# LEGEND:

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



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

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

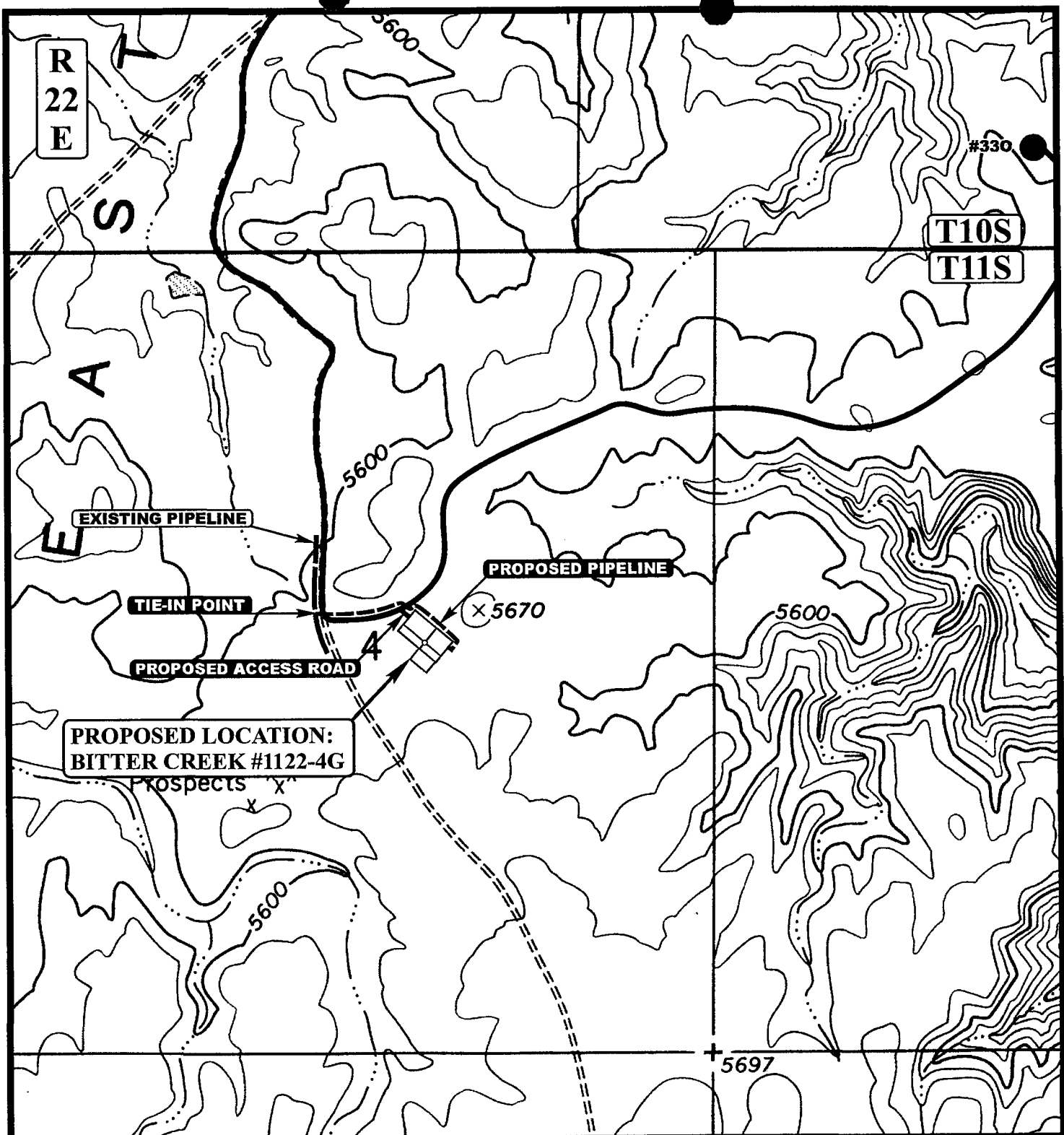
**BITTER CREEK #1122-4G**  
**SECTION 4, T11S, R22E, S.L.B.&M.**  
**2804' FNL 2090' FEL**

**TOPOGRAPHIC**  
**MAP**

**06 12 07**  
 MONTH DAY YEAR

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





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,150' +/-

**LEGEND:**

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



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

**BITTER CREEK #1122-4G**  
**SECTION 4, T11S, R22E, S.L.B.&M.**  
**2804' FNL 2090' FEL**



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

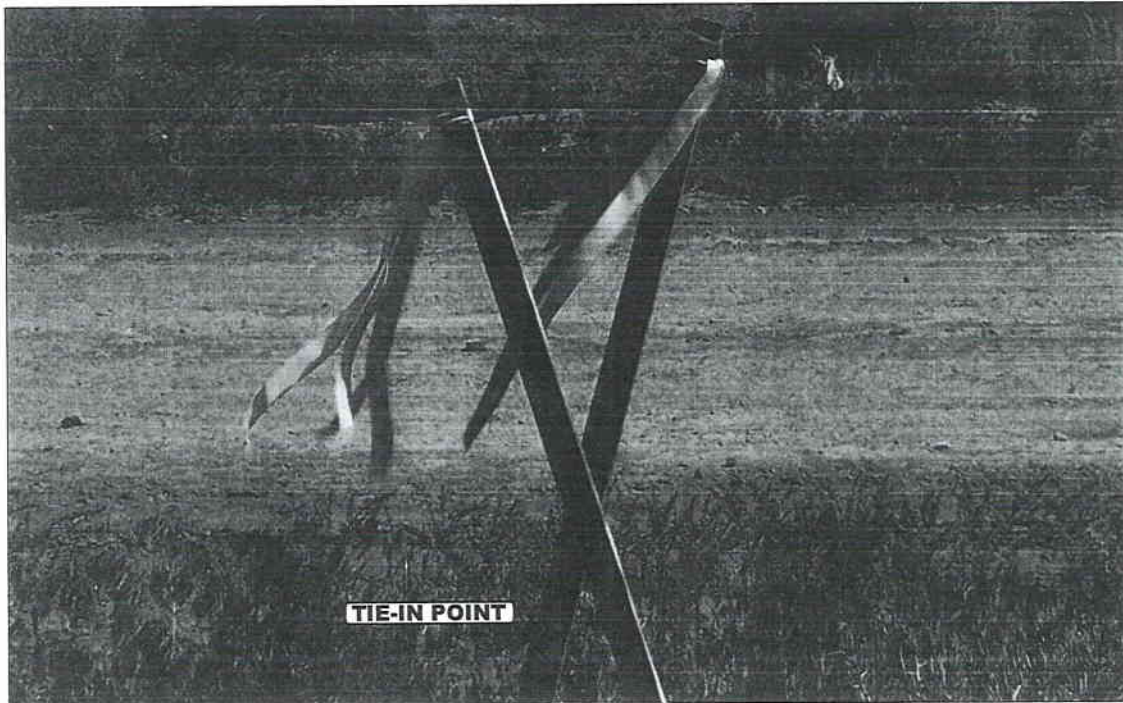
**TOPOGRAPHIC**  
**MAP**

**06** **12** **07**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 10-09-07

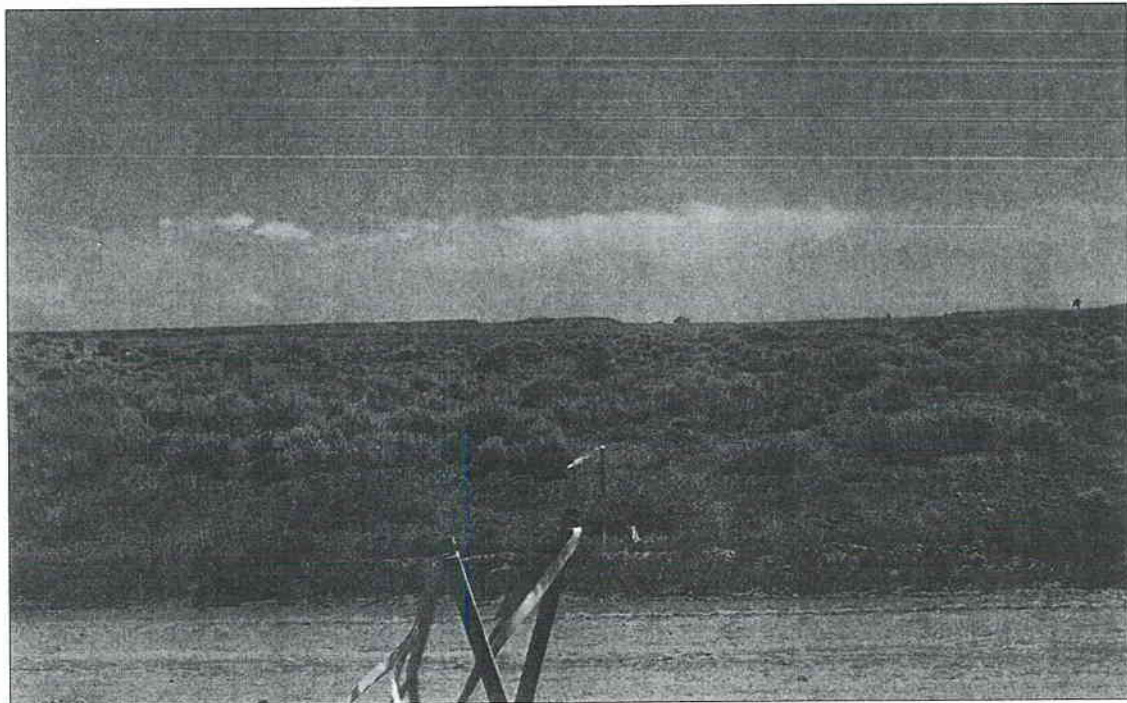


**Kerr-McGee Oil & Gas Onshore LP**  
**BITTER CREEK #1122-4G**  
PIPELINE ALIGNMENT  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 4, T11S, R22E, S.L.B.&M.



**PHOTO: VIEW FROM TIE-IN POINT**

**CAMERA ANGLE: SOUTHEASTERLY**



**PHOTO: VIEW OF PIPELINE ALIGNMENT**

**CAMERA ANGLE: SOUTHEASTERLY**



**UELS**

**Uintah Engineering & Land Surveying**

85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**PIPELINE PHOTOS**

**06** **12** **07**  
MONTH DAY YEAR

**PHOTO**

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00



# Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

## LOCATION LAYOUT FOR

BITTER CREEK #1122-4G  
SECTION 4, T11S, R22E, S.L.B.&M.  
2804' FNL 2090' FEL

Approx.  
Toe of  
Fill Slope

Proposed Access  
Road

F-1.7'  
El. 25.0'

F-3.8'  
El. 22.9'

Sta. 3+50

SCALE: 1" = 50'  
DATE: 06-12-07  
Drawn By: L.K.

### NOTE:

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

Approx.  
Top of  
Cut Slope

Pit Topsoil

C-1.7'  
El. 28.4'

Bloole Line

El. 28.6'  
C-11.9'  
(btm. pit)

Reserve Pit Backfill  
& Spoils Stockpile

15' WIDE BENCH

RESERVE PITS  
(10' Deep)  
Total Pit Capacity  
1/2 of Freeboard  
= 9,850 Bbls. ±  
Total Pit Volume  
= 2,780 Cu. Yds.

Sta. 0+25

El. 27.7'  
C-11.0'  
(btm. pit)

15' WIDE BENCH

PIPE TUBS

180'

PIPE RACKS

CATWALK

C-1.6'  
El. 28.3'

135'

RIG

DOG HOUSE

C-1.9'  
El. 28.6'

MUD TANKS

MUD TANKS

PUMP HOUSE

TRASH

C-0.9'  
El. 27.6'

PROPANE STORAGE

GRADE

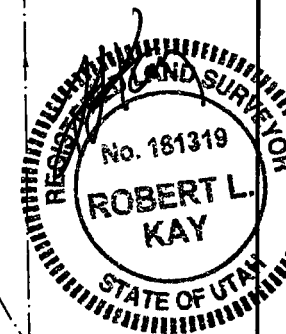
El. 26.7'

C-0.4'  
El. 27.1'

Proposed Road  
Re-Route For The #1122-3E

Existing  
Drainage

CONSTRUCT  
DIVERSION  
DITCH



Sta. 1+70

C-0.3'  
El. 27.0'

TOILET

TRAILER

WATER  
TANK

F-0.7'  
El. 26.0'

Sta. 0+00

### NOTES:

Elev. Ungraded Ground At Loc. Stake = 5628.3'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5626.7'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

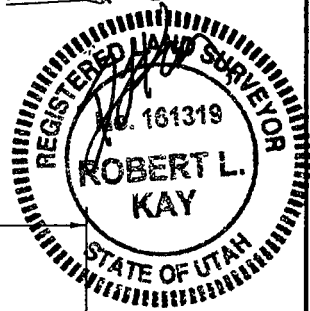
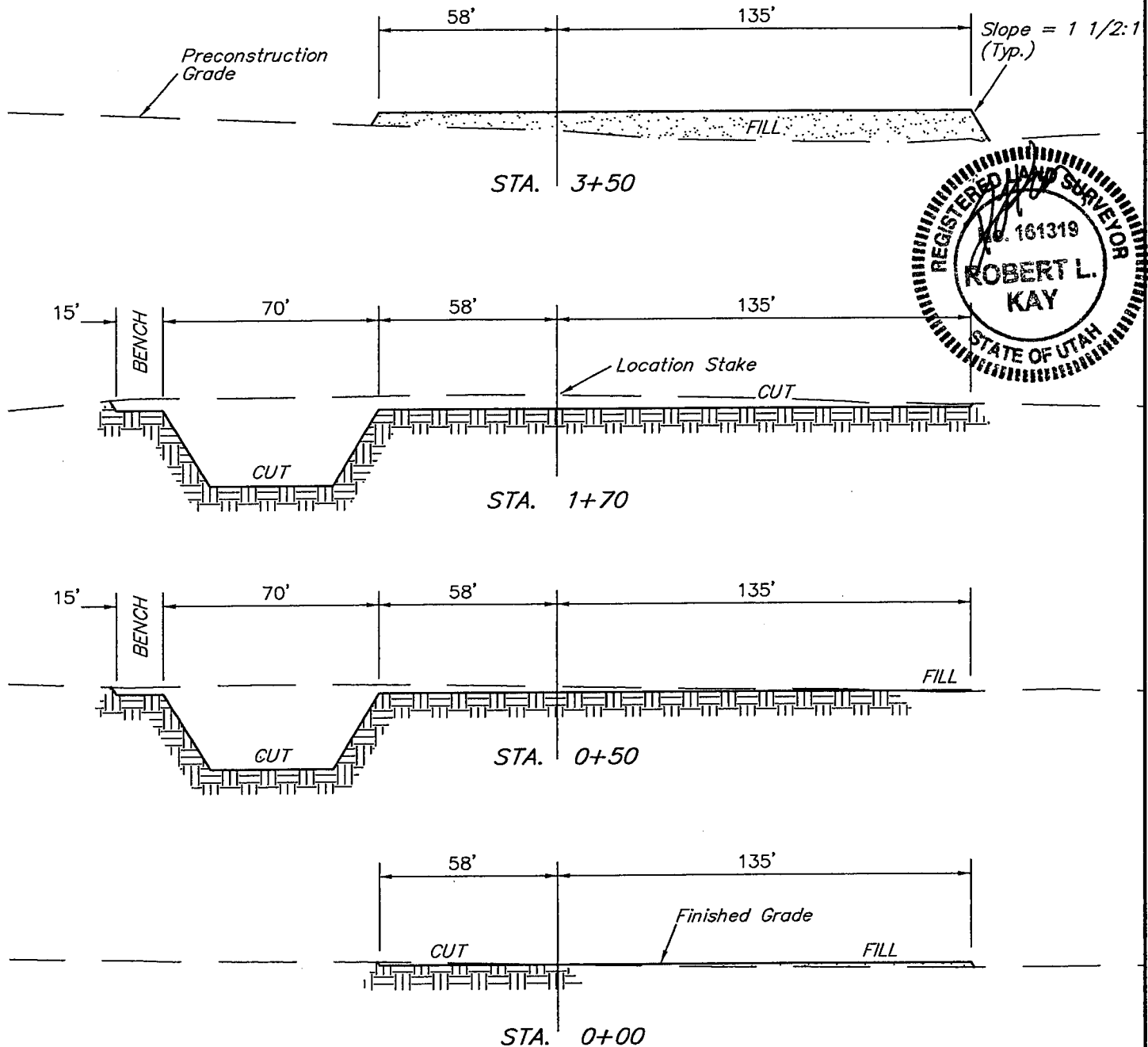
# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

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

DATE: 06-12-07  
Drawn By: L.K.

## TYPICAL CROSS SECTIONS FOR BITTER CREEK #1122-4G SECTION 4, T11S, R22E, S.L.B.&M. 2804' FNL 2090' FEL



### APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	1,610 Cu. Yds.
Remaining Location	=	3,970 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>5,580 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>2,580 CU.YDS.</b>

EXCESS MATERIAL	=	3,000 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,000 Cu. Yds.
EXCESS UNBALANCE (After interim Rehabilitation)	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/02/2007

API NO. ASSIGNED: 43-047-39752

WELL NAME: BITTER CREEK 1122-4G

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SWNE 04 110S 220E

SURFACE: 2804 FNL 2090 FEL

BOTTOM: 2804 FNL 2090 FEL

COUNTY: Uintah

LATITUDE: 39.89046 LONGITUDE: -109.4573

UTM SURF EASTINGS: 631899 NORTHINGS: 4416529

FIELD NAME: BITTER CREEK ( 547 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-71417

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000291 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. 43-8496 )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

R649-2-3.

Unit: \_\_\_\_\_

R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

☒ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 210-04

Eff Date: 4-12-04

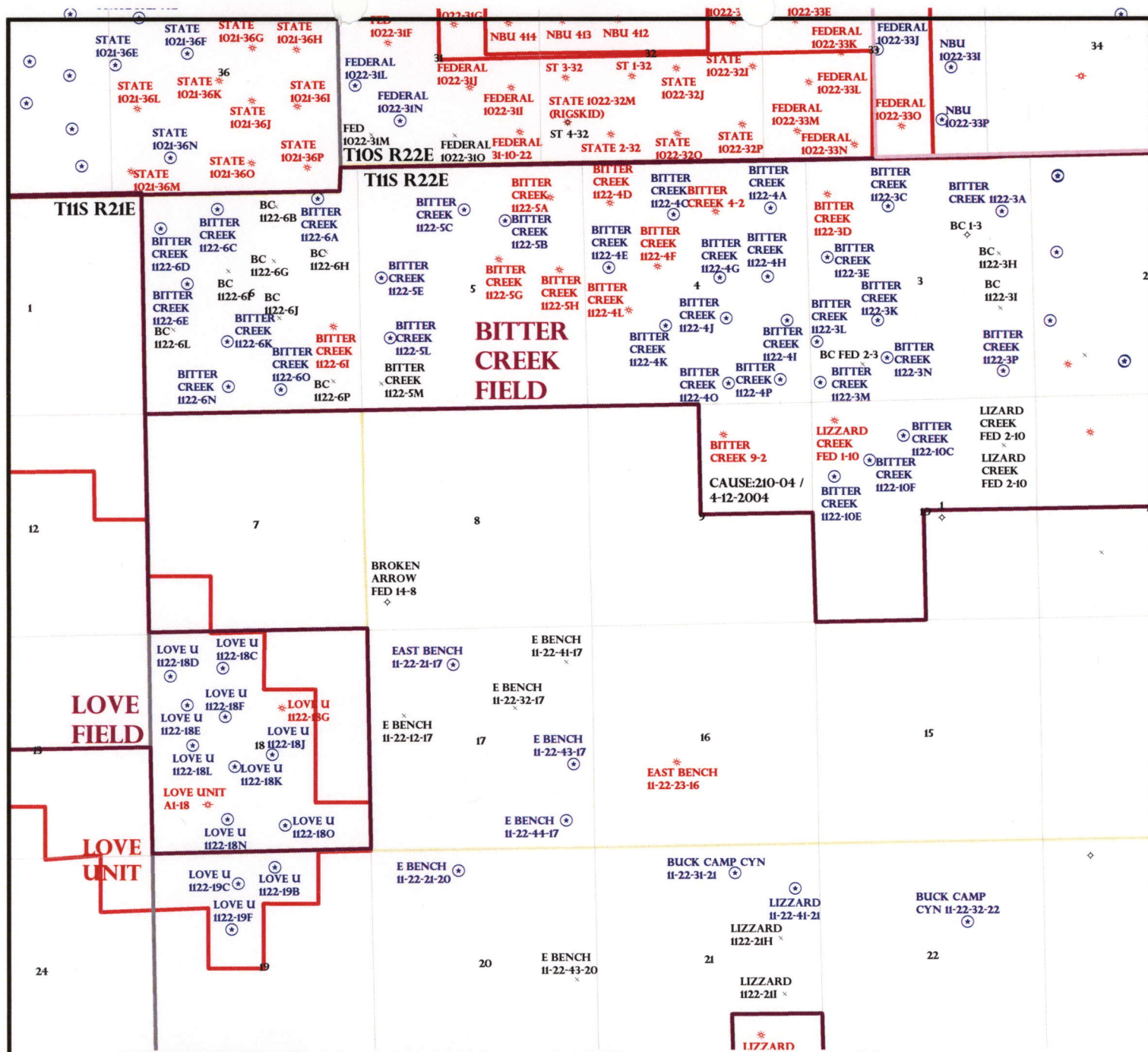
Siting: 460' from qtr ubarg? 920' from other well.

R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1. Federal 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



OIL, GAS & MINING



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





Kerr-McGee Oil & Gas Onshore LP  
1999 Broadway, Suite 3700  
Denver, CO 80206

January 17, 2008

Robert L. Bayless, Producer LLC  
Ms. C. Jay Munoz  
621 17<sup>th</sup> Street, Suite 2300  
Denver, CO 80293

Re: Request for Consent to Exception Well Location  
Bitter Creek 1122-4G Well  
Township 11 South, Range 22 East  
Section 4: SW NE  
2804' FNL, 2090' FEL  
Uintah County, Utah  
Bitter Creek

Dear Ms. Munoz:

Kerr-McGee Oil & Gas Onshore LP has staked and proposes to drill the Bitter Creek 1122-4G well, an 8,500' Wasatch/Mesaverde formation test, located 2804' FNL, 2090' FEL of Section 4-T11S-R22E, SLM, Uintah County, Utah. Enclosed is a copy of the survey plat along with a copy of a topo map depicting the proposed location of the subject well.

The State of Utah Board of Oil, Gas and Mining's Order in State Wide 649-3-2 established 40-acre drilling units for the development and production of gas and associated hydrocarbons from the Wasatch/Mesaverde formation and prescribes that the location of the permitted well in each drilling unit shall not be less than 460' from the exterior boundary of such drilling unit.

Since the location of the subject well is not in compliance with this spacing order, Kerr-McGee Oil & Gas Onshore LP will request the State of Utah Division of Oil, Gas and Mining's administrative approval of such location as an exception location in accordance with General Rule R649-3-3. This rule requires Kerr-McGee Oil & Gas Onshore LP to obtain written consent from all owners of directly or diagonally offsetting drilling units.

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

If you have any questions or require any additional information, please do not hesitate to call the undersigned at 720-929-6262.

Sincerely,

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

  
Jason K. Rayburn  
Landman

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

24<sup>th</sup> day of JANUARY, 2008.

By: 

Name: GEORGE F. CONYELL

Title: GEOLOGIST



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

June 5, 2008

Mrs. Diana Mason  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-6100

RE: Bitter Creek 1122-4G  
T11S-R22E  
Section 4: SWNE  
2804' FNL, 2090' FEL  
Uintah County, Utah

**RECEIVED**

**JUN 09 2008**

Dear Mrs. Mason:

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

Kerr-McGee Oil & Gas Onshore LP has submitted a permit to drill the captioned well to test the Wasatch and Mesaverde formations. The well is located at an exception location to Spacing Order 210-4. The well location was moved for topographic reasons. Kerr-McGee and Bayless own 100% of the leasehold within 460 feet of the exception location of the offset lands and has no objection to the exception location. Enclosed is a copy of Bayless' consent to exception location.

Kerr-McGee requests your approval of this exception location. If you have any questions, call me at 720-929-6698. Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'James C. Colligan III'.

James C. Colligan III  
Landman



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 10, 2008

Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078

Re: Bitter Creek 1122-4G Well, 2804' FNL, 2090' FEL, SW NE, Sec. 4, T. 11 South,  
R. 22 East, Uintah County, Utah

Gentlemen:

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

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39752.

Sincerely,

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 1122-4G

**API Number:** 43-047-39752

**Lease:** UTU-71417

**Location:** SW NE                      **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.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

2007 OCT 31 PM 3:25

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


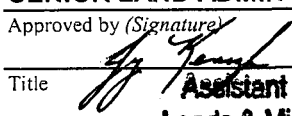
APPLICATION FOR PERMIT TO DRILL OR REENTER

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 <input checked="" type="checkbox"/> 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 1122-4G</b>
3b. Phone No. (include area code) <b>(435) 781-7024</b>		9. API Well No. <b>43 047 39152</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>SW/NE 2804'FNL, 2090'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>35.7 +/- 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>2090'</b>	16. No. of Acres in lease <b>1520.00</b>	12. County or Parish <b>UINTAH</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>8310'</b>	13. State <b>UTAH</b>
20. BLM/BIA Bond No. on file <b>BOND NO. WYB000291</b>		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5628'GL</b>		23. Estimated duration
22. Approximate date work will start*		

24. Attachments

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

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. 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>10/25/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>Terry Hawela</b>	Date <b>6-24-2008</b>
Title <b>Assistant Field Manager</b>		
Office <b>VERNAL FIELD OFFICE</b>		
Lands & Mineral Resources		

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

Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

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

\*(Instructions on reverse)

UDOGM

NOTICE OF APPROVAL

RECEIVED  
JUN 26 2008  
DIV. OF OIL, GAS & MINING

NOS: 06/27/2004  
OAPP 2324A



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

Company: Kerr-McGee Oil & Gas Onshore, LP      Location: SWNE, Sec. 4, T11S, R22E  
Well No: Bitter Creek 1122-4G      Lease No: UTU-71417  
API No: 43-047-39752      Agreement: CA UTU-80666

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

Fax: (435) 781-3420

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

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

**NOTIFICATION REQUIREMENTS**

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

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

***Surface COAs:***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

***Site Specific COAs:***

- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access roads will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- All secondary drainages shall be rerouted around the location, as needed.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 16 ml or greater liner and doubled felted prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.



- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

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

All pounds are in pure live seed.

- Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds following the operator submitted PUP plan provided the BLM before this project construction begins.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit and posted/marked topsoil. When the reserve pit is closed, it shall be contoured and the topsoil spread, and the area shall be seeded in the same manner as the location topsoil to comply with natural topography.
- Once the location is plugged and abandoned, it shall be contoured to natural topography, topsoil shall be spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. Seeding guidelines will be provided by the BLM to the operator with prescribed seeding recommendations.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- The habitat will be protected (no or little development) within 2 miles (3.2 km) of active leks.

- a. All human disturbances will be minimized within sight or 0.3 mile (0.5 km) of active leks during breeding season during early morning or evening when birds are likely to be found on the leks; and
  - a. Avoid constructing above ground powerlines, or other tall structures within two (2) miles of seasonal habitat.
- Well pads will be located out of the line of sight/hearing at the leks by considering topographical or vegetative screening features as well as centralized tank batteries, use of low profile tanks, and pointing exhaust from heater-treater to the north and northeast at proposed locations.
  - a. Proper placement of well locations can reduce the impact out of hearing >10 dBA above natural ambient noise.
- Construction, drilling, completion and workover activities will not be allowed within two miles of active leks from March 1 through June 15.
- Other structures such as fences, poles, utilities, will not be constructed within the two mile buffer of active leks, unless the proposed project is reviewed by BLM and UDWR and a waiver issued for this measure on an approved design.
- Operational activities (trucks driving to well locations, well, road, pipeline surveys, pipeline maintenance etc.) will be minimized March 1 through June 15 one hour prior to sunrise to three hours after sunrise.
- No construction, drilling, completion activities will be allowed from May 15-June 20 to help protect pronghorn kidding in the area.
- Golden eagle nesting a timing restriction from February 1 through July 30 will be applied to the following well locations:

Bitter Creek Well 1121 6K Location NESW Section 6, T 11 S R22 E.  
Bitter Creek Well 1121 6E Location SWNW Section 6, T 11 S R22 E.  
Bitter Creek Well 1121 6D Location NWNW Section 6, T 11 S R22 E.

- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- 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
4304739757	BITTER CREEK 1122-4J	NWSE	4	11	22	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	17168	10/20/2008	10/28/08		
Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD SPUD WELL LOCATION ON 10/20/2008 AT 0800 HRS.						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739752	BITTER CREEK 1122-4G	SWNE	4	11	22	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	17169	10/28/2008	10/28/08		
Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD SPUD WELL LOCATION ON 10/28/2008 AT 0800 HRS.						

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

10/28/2008

Date

RECEIVED

OCT 28 2008

(5/2000)

DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS  
*Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.*FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

UTU-71417

6. If Indian, Allottee or Tribe Name

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

UTU-80666

8. Well Name and No.

BITTER CREEK 1122-4G

9. API Well No.

4304739752

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 &amp; 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)

2804' FNL, 2090' FEL  
SWNE, 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 <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 recompleate 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 recompleation 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 10/28/2008 AT 0800 HRS.

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

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Signature

Date

October 28, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

RECEIVED

NOV 04 2008

DIV. OF OIL, GAS &amp; MINING

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

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

**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)  
2804' FNL, 2090' FEL  
SW/NE, SEC.4, T11S-R22E

5. Lease Serial No.

UTU-71417

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

BITTER CREEK 1122-4G

9. API Well No.

4304739752

10. Field and Pool, or Exploratory Area

BITTER CREEK

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

MIRU PROPETRO AIR RIG ON 11/3/2008. DRILLED 12 1/4" SURFACE HOLE TO 1840'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT +/- 22 PSI LIFT TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 2ND TOP OUT W/75 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

Signature

Title

REGULATORY ANALYST

Date

November 4, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

RECEIVED

NOV 12 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
UTU71417

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

BITTER CREEK 1122-4G

2. Name of Operator

KERR-MCGEE OIL &amp; GAS ONSHORE

Contact: SHEILA UPCHEGO

Email: sheila.upchego@anadarko.com

9. API Well No.

43-047-39752

3a. Address

1368 SOUTH 1200 EAST  
VERNAL, UT 84078

3b. Phone No. (include area code)

Ph: 435-781-7024

10. Field and Pool, or Exploratory  
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 4 T11S R22E SWNE 2804FNL 2090FEL

11. County or Parish, and State

UINTAH, COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

FINISHED DRILLING FROM 1840' TO 8415' ON 12/03/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/290 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1200 SX 50/50 POZ @14.3 PPG 1.15 YIELD. DROP PLUG DISPLACE W/130 BBLS OF CLAY TREAT WATER LIFT 2300 PSI 25 BBL OF LEAD CMT TO SURFACE BUMP PLUG 2800 PSI FLOAT HELD FLUSH STACK. NIPPLE DOWN BOP SET PACK OFF INSTAL NIGHT CAP CLEAN PITS.

RELEASE PIONEER RIG 68 ON 12/05/2008 AT 0830 HRS.

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DIV. OF OIL, GAS &amp; MINING

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

Electronic Submission #65324 verified by the BLM Well Information System  
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO

Title OPERATIONS

Signature

Date 12/08/2008

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

Approved By

Title

Date

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

Office

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU71417
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 435-781-7024		8. Well Name and No. BITTER CREEK 1122-4G
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T11S R22E SWNE 2804FNL 2090FEL		9. API Well No. 43-047-39752
		10. Field and Pool, or Exploratory UNDESIGNATED
		11. County or Parish, and State UINTAH COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

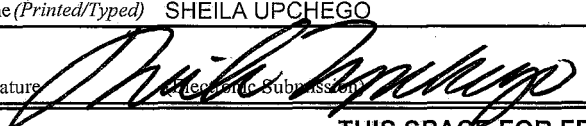
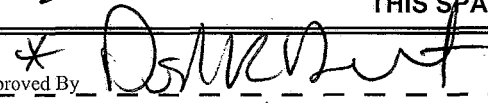
THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE SUBJECT WELL. THE SUBJECT WELL IS A NEW WELL COMPLETION. THE OPERATOR PROPOSES TO COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED COMMINGLE COMPLETION PROCEDURE.

**COPY SENT TO OPERATOR**

Date: 1.27.2009  
Initials: KS

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14. I hereby certify that the foregoing is true and correct. Electronic Submission #65705 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal		DIV. OF OIL, GAS & MINING	
Name (Printed/Typed) SHEILA UPCHEGO		Title OPERATIONS	
Signature 		Date 12/18/2008	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved By 		Title Pet-Eng.	Date 1/22/09
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 Dogm	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.			

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*  
\* Case 210-04



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

October 21, 2008

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

Re: Bitter Creek 1122-4G  
SWNE Sec. 4, T11S-R22E  
API Well No. 4304739752  
Uintah County, Utah

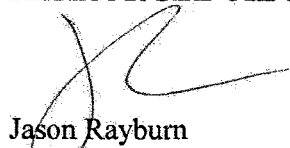
Dear Dustin,

In accordance with R649-3-22, "Completion Into Two or More Pools", please be advised that there are no contiguous owners in oil and gas leases or in drilling units overlying the pool we intend to commingle to notify. As evidenced by the enclosed plat, Kerr-McGee Oil & Gas Onshore LP and Robert L. Bayless, Producer LLC share 100% of the working interest in all contiguous leasehold.

Please let me know if anything further is required in order to approve the sundry submitted to you regarding the recompletion of the Bitter Creek 1122-4G. I have enclosed a copy of the sundry notice.

Thank you for your attention to our request.

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

  
Jason Rayburn  
Landman

enclosures

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

**Name:** Bitter Creek 1122-4G  
**Location:** SW NE Sec. 4 11S 22E  
**Uintah County, UT**  
**Date:** 12/15/08

**ELEVATIONS:** 5627 GL 5645 KB

**TOTAL DEPTH:** 8415 **PBTD:** 8370  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 1830'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 8414'  
Marker Joint 3934-3947'

**TUBULAR PROPERTIES:**

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

**TOPS:**

940' Green River  
1256' Birdsnest  
1639' Mahogany  
4040' Wasatch  
6322' Mesaverde

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

**GENERAL:**

- A minimum of **20** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 12/04/08
- **4** fracturing stages required for coverage.
- Procedure calls for 4 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.

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- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages

### PROCEDURE:

1. MIRU. NU and test BOP. RIH 3 7/8" mill and clean out to PBTD @ ~ 8370' if possible, or to 7904' at a minimum. Circulate hole clean with recycled water. POOH. Run CBL (if needed). Pressure test BOP and casing to **6200** psi.
2. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
MESAVERDE	7788	7794	4	24
MESAVERDE	7870	7874	4	16
3. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7768' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Note Stage 1 pumped at 40 bbl/min. Tight spacing between stages 1 & 2.
4. Set 8000 psi CBP at ~7736'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
MESAVERDE	7656	7660	4	16
MESAVERDE	7700	7706	4	24
5. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7606' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
6. Set 8000 psi CBP at ~5376'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
WASATCH	5336	5346	4	40
7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5286' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
8. Set 8000 psi CBP at ~5002'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
WASATCH	4950	4954	4	16
WASATCH	4966	4972	4	24
9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~4900' and flush only with recycled water.
10. Set 8000 psi CBP at ~4900'.
11. TIH with 3 7/8" bit, pump off sub, SN and tubing.

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12. Drill plugs and clean out to PBTD. Shear off bit and land tubing at  $\pm 7626'$  unless indicated otherwise by the well's behavior.

13. RDMO

**For design questions, please call**  
**Sarah Schaftenaar, Denver, CO**  
**(303)-895-5883 (Cell)**  
**(720)-929-6605 (Office)**

**For field implementation questions, please call**  
**Robert Miller, Vernal, UT**  
**4350781 7041 (Office)**

NOTES:

Please pump stage 1 at 40 bbl/min. Thanks!

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Fracturing Schedules  
Bitter Creek 1122-4G  
Slickwater Frac

Stage	Zone	Feet of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
			Top, ft	Bot, ft																	
1	MESAVERDE	9	7788	7794	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	16	7870	7874	4	16	0	ISIP and 5 min ISIP			Slickwater										50
	MESAVERDE	1		No perfs			40	Slickwater Pad			Slickwater	25,313	25,313	603	603	15.0%	0.0%	0	0		76
	MESAVERDE	1		No perfs			40	Slickwater Ramp	0.25	1	Slickwater	47,813	73,125	1,138	1,741	28.3%	16.9%	29,883	29,883		72
	MESAVERDE	8		No perfs			40	SW Sweep	0	0	Slickwater	5,260	78,375	125	1,866	0.0%	0.0%	0	29,883		8
	MESAVERDE	3		No perfs			40	Slickwater Ramp	1	1.5	Slickwater	47,813	126,188	1,138	3,004	28.3%	33.9%	59,766	89,648		72
	MESAVERDE	14		No perfs			40	SW Sweep	0	0	Slickwater	10,500	136,688	250	3,254	0.0%	0.0%	0	89,648		0
	MESAVERDE	6		No perfs			40	Slickwater Ramp	0.5	1.5	Slickwater	3,000	139,688	71	3,326		1.7%	3,000	92,648		0
	MESAVERDE	4		No perfs			40	Slickwater Ramp	1.5	2	Slickwater	47,813	184,500	1,138	4,393		47.5%	83,672	176,320		0
	MESAVERDE	6		No perfs			40	Flush (4-1/2")			Slickwater	5,071	189,571	121	4,514				176,320		50
	MESAVERDE	1		No perfs				ISDP and 5 min ISDP													328
	MESAVERDE	1		No perfs																	
	MESAVERDE	2		No perfs																	
	MESAVERDE	3		No perfs							Sand laden Volume		168,750								
	MESAVERDE	11		No perfs																	
	MESAVERDE	7		No perfs																	
	MESAVERDE	9		No perfs																	
	MESAVERDE	3		No perfs																	
	MESAVERDE	12		No perfs																	
		113		# of Perfs/Stage		40										Flush depth	7768	gal/ft 1,500	1,567	lbs sand/ft	
							112.8	<< Above pump time (min)													
2	MESAVERDE	6	7666	7660	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	MESAVERDE	1	7700	7706	4	24	0	ISIP and 5 min ISIP			Slickwater										
	MESAVERDE	7		No perfs			50	Slickwater Pad			Slickwater	11,610	11,610	276	276	15.0%	0.0%	0	0		35
	MESAVERDE	6		No perfs			50	Slickwater Ramp	0.25	1	Slickwater	21,930	33,540	522	799	28.3%	16.6%	13,706	13,706		33
	MESAVERDE	1		No perfs			50	SW Sweep	0	0	Slickwater	0	33,540	0	799	0.0%	0.0%	0	13,706		0
	MESAVERDE	12		No perfs			50	Slickwater Ramp	1	1.5	Slickwater	21,930	55,470	522	1,321	28.3%	33.2%	27,413	41,119		33
	MESAVERDE	2		No perfs			50	SW Sweep	0	0	Slickwater	5,260	60,720	125	1,446	0.0%	0.0%	0	41,119		0
	MESAVERDE	3		No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	3,000	63,720	71	1,517	3.6%	3.000	3,000	44,119		0
	MESAVERDE	1		No perfs			50	Slickwater Ramp	1.5	2	Slickwater	21,930	82,650	522	1,968	28.3%	46.5%	38,378	82,496		0
	MESAVERDE	14		No perfs			50	Flush (4-1/2")			Slickwater	4,965	87,615	118	2,086				82,496		35
	MESAVERDE	2		No perfs				ISDP and 5 min ISDP													136
	MESAVERDE	2		No perfs																	
	MESAVERDE	1		No perfs																	
	MESAVERDE	11		No perfs							Sand laden Volume		77,400								
	MESAVERDE	12		No perfs																	
	MESAVERDE	1		No perfs																	
	MESAVERDE	3		No perfs																	
	MESAVERDE	4		No perfs																	
	MESAVERDE	1		No perfs																	
		86		# of Perfs/Stage		40										Flush depth	7606	gal/ft 900	959	lbs sand/ft	
							39.4	<< Above pump time (min)													
3	WASATCH	1	5336	5346	4	40	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	1		No perfs			0	ISIP and 5 min ISIP			Slickwater										
	WASATCH	2		No perfs			50	Slickwater Pad	0.25	1	Slickwater	3,300	3,300	79	79	15.0%	0.0%	0	0		10
	WASATCH	1		No perfs			50	Slickwater Ramp	0	0	Slickwater	6,233	9,533	148	227	28.3%	17.2%	3,896	3,896		9
	WASATCH	1		No perfs			50	SW Sweep	0	0	Slickwater	0	9,533	0	227	0.0%	0.0%	0	3,896		0
	WASATCH	4		No perfs			50	Slickwater Ramp	1	1.5	Slickwater	6,233	15,767	148	375	28.3%	34.5%	7,792	11,688		9
	WASATCH	1		No perfs			50	SW Sweep	0	0	Slickwater	0	15,767	0	375	0.0%	0.0%	0	11,688		0
	WASATCH	0		No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	15,767	0	375	0.0%	0.0%	0	11,688		0
	WASATCH	0		No perfs			50	Slickwater Ramp	1.5	2	Slickwater	6,233	22,000	148	524	28.3%	43.3%	10,908	22,596		0
	WASATCH	0		No perfs			50	Flush (4-1/2")			Slickwater	3,451	25,451	82	606				22,596		32
	WASATCH	0		No perfs				ISDP and 5 min ISDP													61
	WASATCH	0		No perfs																	
	WASATCH	0		No perfs																	
		10		# of Perfs/Stage		40										Flush depth	5286	gal/ft 2,200	2,260	lbs sand/ft	
							10.5	<< Above pump time (min)													
4	WASATCH	31	4950	4954	4	16	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	4	4966	4972	4	24	0	ISIP and 5 min ISIP			Slickwater										
	WASATCH	0		No perfs			50	Slickwater Pad	0.25	1	Slickwater	10,200	10,200	243	243	15.0%	0.0%	0	0		31
	WASATCH	0		No perfs			50	Slickwater Ramp	0	0	Slickwater	19,267	29,467	459	702	28.3%	17.2%	12,042	12,042		29
	WASATCH	0		No perfs			50	SW Sweep	0	0	Slickwater	0	29,467	0	702	0.0%	0.0%	0	12,042		0
	WASATCH	0		No perfs			50	Slickwater Ramp	1	1.5	Slickwater	19,267	48,733	459	1,160	28.3%	34.5%	24,083	36,125		29
	WASATCH	0		No perfs			50	SW Sweep	0	0	Slickwater	0	48,733	0	1,160	0.0%	0.0%	0	36,125		0
	WASATCH	0		No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	48,733	0	1,160	0.0%	0.0%	0	36,125		0
	WASATCH	0		No perfs			50	Slickwater Ramp	1.5	2	Slickwater	19,267	68,000	459	1,619	28.3%	40.3%	33,717	69,842		0
	WASATCH	0		No perfs			50	Flush (4-1/2")			Slickwater	3,199	71,199	76	1,685				69,842		0
	WASATCH	0		No perfs				ISDP and 5 min ISDP													88
		34		# of Perfs/Stage		40										Flush depth	4900	gal/ft 2,000	2,054	lbs sand/ft	
							32.4	<< Above pump time (min)													LOOK
	Totals	243				160						Total Fluid	370,637	gals 8,825	bbls	8,901	lbs	Total Sand	351,254		
							3.3									19.8	fracs		Total Scale Inhib.	613	

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Bitter Creek 1122-4G  
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	7788	7794	4	24	7731.5	to	7740
	MESAVERDE	7870	7874	4	16	7743.5	to	7759
	MESAVERDE		No perfs			7760.5	to	7761
	MESAVERDE		No perfs			7767.5	to	7768
	MESAVERDE		No perfs			7769.5	to	7777.5
	MESAVERDE		No perfs			7779.5	to	7782
	MESAVERDE		No perfs			7783	to	7797
	MESAVERDE		No perfs			7801	to	7807
	MESAVERDE		No perfs			7808	to	7812
	MESAVERDE		No perfs			7814.5	to	7820.5
	MESAVERDE		No perfs			7822	to	7822
	MESAVERDE		No perfs			7827.5	to	7827.5
	MESAVERDE		No perfs			7829	to	7831
	MESAVERDE		No perfs			7839.5	to	7842
	MESAVERDE		No perfs			7843.5	to	7854
	MESAVERDE		No perfs			7855.5	to	7862.5
	MESAVERDE		No perfs			7865	to	7873.5
	MESAVERDE		No perfs			7874.5	to	7877.5
	MESAVERDE		No perfs			7883	to	7894.5
	# of Perfs/stage				40	CBP DEPTH	7,736	
2	MESAVERDE	7656	7660	4	16	7581.5	to	7587.5
	MESAVERDE	7700	7706	4	24	7590	to	7590.5
	MESAVERDE		No perfs			7599.5	to	7606.5
	MESAVERDE		No perfs			7608	to	7614
	MESAVERDE		No perfs			7616	to	7616
	MESAVERDE		No perfs			7618.5	to	7630
	MESAVERDE		No perfs			7634	to	7635.5
	MESAVERDE		No perfs			7636.5	to	7639
	MESAVERDE		No perfs			7642.5	to	7642.5
	MESAVERDE		No perfs			7649.5	to	7663.5
	MESAVERDE		No perfs			7667.5	to	7669
	MESAVERDE		No perfs			7673	to	7675
	MESAVERDE		No perfs			7676.5	to	7677
	MESAVERDE		No perfs			7683.5	to	7694.5
	MESAVERDE		No perfs			7698	to	7710
	MESAVERDE		No perfs			7717	to	7717
	MESAVERDE		No perfs			7718	to	7721
	MESAVERDE		No perfs			7724	to	7727.5
	MESAVERDE		No perfs			7729	to	7729.5
	# of Perfs/stage				40	CBP DEPTH	5,376	
3	WASATCH	5336	5346	4	40	5310.5	to	5310.5
	WASATCH		No perfs			5311.5	to	5311.5
	WASATCH		No perfs			5316.5	to	5318.5
	WASATCH		No perfs			5325	to	5325.5
	WASATCH		No perfs			5337.5	to	5338.5
	WASATCH		No perfs			5340	to	5343.5
	WASATCH		No perfs			5352	to	5353
	# of Perfs/stage				40	CBP DEPTH	5,002	
4	WASATCH	4950	4954	4	16	4948.5	to	4979
	WASATCH	4966	4972	4	24	4982	to	4985.5
	# of Perfs/stage				40	CBP DEPTH	4,900	
Totals					160			

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Stage	Zone	Feet of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
			Top, ft.	Bot., ft																		
1	MESAVERDE	9	7788	7794	4	24	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	16	7870	7874	4	16	0	ISIP and 5 min ISIP													50	
	MESAVERDE	1		No perfs			40	Slickwater Pad			Slickwater	25,313	25,313	603	603	15.0%	0.0%	0	0		76	
	MESAVERDE	1		No perfs			40	Slickwater Ramp	0.25	1	Slickwater	47,813	73,125	1,138	1,741	28.3%	16.9%	29,883	29,883		72	
	MESAVERDE	8		No perfs			40	SW Sweep	0	0	Slickwater	5,250	78,375	125	1,866		0.0%	0	29,883		8	
	MESAVERDE	3		No perfs			40	Slickwater Ramp	1	1.5	Slickwater	47,813	126,188	1,138	3,004	28.3%	33.9%	59,766	89,648		72	
	MESAVERDE	14		No perfs			40	SW Sweep	0	0	Slickwater	10,500	136,688	250	3,254		0.0%	0	89,648		0	
	MESAVERDE	6		No perfs			40	Slickwater Ramp	0.5	1.5	Slickwater	3,000	139,688	71	3,326		1.7%	3,000	92,648		0	
	MESAVERDE	4		No perfs			40	Slickwater Ramp	1.5	2	Slickwater	47,813	184,500	1,138	4,393	28.3%	47.5%	83,672	176,320		0	
	MESAVERDE	6		No perfs			40	Flush (4-1/2")				5,071	189,571	121	4,514				176,320		50	
	MESAVERDE	1		No perfs				ISDP and 5 min ISDP					189,571								328	
	MESAVERDE	1		No perfs																		
	MESAVERDE	2		No perfs																		
	MESAVERDE	3		No perfs																		
	MESAVERDE	11		No perfs																		
	MESAVERDE	7		No perfs																		
	MESAVERDE	9		No perfs																		
MESAVERDE	3		No perfs																			
MESAVERDE	12		No perfs																			
		113		# of Perfs/stage		40											gal/ft	1,500	1,567	lbs sand/ft		
							112.8	<< Above pump time (min)														
2	MESAVERDE	6	7656	7660	4	16	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	1	7700	7706	4	24	0	ISIP and 5 min ISIP														
	MESAVERDE	7		No perfs			50	Slickwater Pad			Slickwater	11,610	11,610	276	276	15.0%	0.0%	0	0		35	
	MESAVERDE	6		No perfs			50	Slickwater Ramp	0.25	1	Slickwater	21,930	33,540	522	799	28.3%	16.6%	13,706	13,706		33	
	MESAVERDE	1		No perfs			50	SW Sweep	0	0	Slickwater	0	33,540	0	799		0.0%	0	13,706		0	
	MESAVERDE	12		No perfs			50	Slickwater Ramp	1	1.5	Slickwater	21,930	55,470	522	1,321	28.3%	33.2%	27,413	41,119		33	
	MESAVERDE	2		No perfs			50	SW Sweep	0	0	Slickwater	5,250	60,720	125	1,446		0.0%	0	41,119		0	
	MESAVERDE	3		No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	3,000	63,720	71	1,517		3.6%	3,000	44,119		0	
	MESAVERDE	1		No perfs			50	Slickwater Ramp	1.5	2	Slickwater	21,930	82,650	522	1,968	28.3%	46.5%	38,378	82,496		0	
	MESAVERDE	14		No perfs			50	Flush (4-1/2")				4,965	87,615	118	2,086				82,496		35	
	MESAVERDE	2		No perfs				ISDP and 5 min ISDP					87,615								136	
	MESAVERDE	2		No perfs																		
	MESAVERDE	1		No perfs																		
	MESAVERDE	11		No perfs																		
	MESAVERDE	12		No perfs																		
	MESAVERDE	1		No perfs																		
	MESAVERDE	3		No perfs																		
MESAVERDE	4		No perfs																			
MESAVERDE	1		No perfs																			
		86		# of Perfs/stage		40											gal/ft	900	959	lbs sand/ft		
							39.4	<< Above pump time (min)														
3	WASATCH	1	5336	5346	4	40	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	1		No perfs			0	ISIP and 5 min ISIP														
	WASATCH	2		No perfs			50	Slickwater Pad			Slickwater	3,300	3,300	79	79	15.0%	0.0%	0	0		10	
	WASATCH	1		No perfs			50	Slickwater Ramp	0.25	1	Slickwater	6,233	9,533	148	227	28.3%	17.2%	3,896	3,896		9	
	WASATCH	1		No perfs			50	SW Sweep	0	0	Slickwater	0	9,533	0	227		0.0%	0	3,896		0	
	WASATCH	4		No perfs			50	Slickwater Ramp	1	1.5	Slickwater	6,233	15,767	148	375	28.3%	34.5%	7,792	11,688		9	
	WASATCH	1		No perfs			50	SW Sweep	0	0	Slickwater	0	15,767	0	375		0.0%	0	11,688		0	
	WASATCH	0		No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	15,767	0	375		0.0%	0	11,688		0	
	WASATCH	0		No perfs			50	Slickwater Ramp	1.5	2	Slickwater	6,233	22,000	148	524	28.3%	48.3%	10,908	22,596		0	
	WASATCH	0		No perfs			50	Flush (4-1/2")				3,451	25,451	82	606				22,596		32	
	WASATCH	0		No perfs				ISDP and 5 min ISDP					25,451								61	
	WASATCH	0		No perfs																		
	WASATCH	0		No perfs																		
	WASATCH	0		No perfs																		
	WASATCH	0		No perfs																		
			10		# of Perfs/stage		40											gal/ft	2,200	2,260	lbs sand/ft	
							10.5	<< Above pump time (min)														
4	WASATCH	31	4960	4964	4	16	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	4	4966	4972	4	24	0	ISIP and 5 min ISIP														
	WASATCH	0		No perfs			50	Slickwater Pad			Slickwater	10,200	10,200	243	243	15.0%	0.0%	0	0		31	
	WASATCH	0		No perfs			50	Slickwater Ramp	0.25	1	Slickwater	19,267	29,467	459	702	28.3%	17.2%	12,042	12,042		29	
	WASATCH	0		No perfs			50	SW Sweep	0	0	Slickwater	0	29,467	0	702		0.0%	0	12,042		0	
	WASATCH	0		No perfs			50	Slickwater Ramp	1	1.5	Slickwater	19,267	48,733	459	1,160	28.3%	34.5%	24,083	36,125		29	
	WASATCH	0		No perfs			50	SW Sweep	0	0	Slickwater	0	48,733	0	1,160		0.0%	0	36,125		0	
	WASATCH	0		No perfs			50	Slickwater Ramp	0.5	1.5	Slickwater	0	48,733	0	1,160		0.0%	0	36,125		0	
	WASATCH	0		No perfs			50	Slickwater Ramp	1.5	2	Slickwater	19,267	68,000	459	1,619	28.3%	48.3%	33,717	69,842		0	
	WASATCH	0		No perfs			50	Flush (4-1/2")				3,199	71,199	76	1,695				69,842		0	
	WASATCH	0		No perfs				ISDP and 5 min ISDP					71,199								88	
	WASATCH	0		No perfs																		
	WASATCH	0		No perfs																		
	WASATCH	0		No perfs																		
	WASATCH	0		No perfs																		
			34		# of Perfs/stage		40											gal/ft	2,000	2,054	lbs sand/ft	
							32.4	<< Above pump time (min)														
	Totals	243				160						Total Fluid	370,637	8,825	gals bbls			Total Sand	351,254			
							3.3															

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# DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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 \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

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

3. Address 1368 SOUTH 1200 EAST  
VERNAL, UT 84078

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

9. API Well No.  
43-047-39752

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface SWNE 2804FNL 2090FEL

At top prod interval reported below SWNE 2804FNL 2090FEL

At total depth SWNE 2804FNL 2090FEL

10. Field and Pool, or Exploratory  
UNDESIGNATED

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  
10/28/2008

15. Date T.D. Reached  
12/03/2008

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
01/02/2009

17. Elevations (DF, KB, RT, GL)\*  
5628 GL

18. Total Depth: MD  
TVD 8415

19. Plug Back T.D.: MD  
TVD 8120

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CBL-CCL-GR SD, DEN, 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		1840		525			
7.875	4.500 I-80	11.6		8415		1490			

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	7611							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	4950	5346	4950 TO 5346	0.360	80	OPEN
B) MESAVERDE	7656	7874	7656 TO 7874	0.360	80	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
4950 TO 5346	PMP 2470 BBLS SLICK H2O & 107,030# 30/50 OTTOWA SD
7656 TO 7874	PMP 6707 BBLS SLICK H2O & 258,500# 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
01/02/2009	01/06/2009	12	→	0.0	1164.0	240.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22/64	700	950.0	→	0	1164	240		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
01/02/2009	01/06/2009	12	→	0.0	1164.0	240.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22/64	700	950.0	→	0	1164	240		PGW	

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

ELECTRONIC SUBMISSION #66486 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED BY: OF OIL, GAS & MINING

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JAN 27 2009

## 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	Thg. Press. Flwg. SI	Csg. Pross.	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	Thg. Press. Flwg. SI	Csg. Pross.	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	940				
BIRDS NEST	1256				
MAHOGANY	1639				
WASATCH	4040	6240			
MESAVERDE	6322	8382			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

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

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

Electronic Submission #66486 Verified by the BLM Well Information System.  
For KERR-MCGEE OIL & GAS ONSHORE I., sent to the Vernal

Name (please print) SHEILA UPCHEGO

Title OPERATIONS

Signature

(Electronic Submission)

Date 01/20/2009

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

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

<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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-71417
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> Kerr-McGee Oil & Gas Onshore, LP		<b>7. UNIT or CA AGREEMENT NAME:</b>  
<b>3. ADDRESS OF OPERATOR:</b> PO Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217-3779		<b>8. WELL NAME and NUMBER:</b> BITTER CREEK 1122-4G
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2804 FNL 2090 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 4 Township: 11S Range: 22E Meridian: S		<b>9. API NUMBER:</b> 43047397520000
<b>PHONE NUMBER:</b> 720-929-6485		<b>9. FIELD and POOL or WILDCAT:</b> BITTER CREEK
<b>COUNTY:</b> UTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <div style="text-align: center; font-size: 1.2em;">2/1/2019</div> <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input checked="" type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> APD EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the Bittercreek 1122-4g well. Please see the attached procedure for details. Thank you.		
<div style="color: red; font-weight: bold;">             Approved by the              Utah Division of              Oil, Gas and Mining           </div> <b>Date:</b> <u>February 20, 2019</u> <b>By:</b> <u></u>		

**BITTER CREEK 1122-4G**  
**2804' FNL & 2090' FEL**  
**SWNE SEC. 4, T11S, R22E**  
**UINTAH UT**

<b>KBE:</b>	5645'	<b>API NUMBER:</b>	4304739752
<b>GLE:</b>	5627'	<b>LEASE NUMBER:</b>	UTU71417
<b>TD:</b>	8415'	<b>LAT/LONG:</b>	39.890491/-109.458031
<b>PBTD:</b>	8366'		

**CASING :** 12.25" hole drilled to 1840'  
**SURFACE** 9.625" 36# J-55 @ 1812' f/ GL plus 18' KB equals 1830'

**PRODUCTION** 12.25" hole drilled to 8415'  
 4.5" 11.6# I-80 @ 8415'  
 Est. TOC @ <40' which is fluid level on CBL DATED 12/11/2008  
 Drilling report states 25 bbls of cement to surface

**PERFORATIONS:** WASATCH-MESAVERDE TOP-BOTTOM 4950'-7874'  
 W (4950'-5346') MV (7656'-7874')

**TUBING:** 2.375" J55 4.7# CHECK tbg at 7611'

Tubular/Borehole	ID	Drift inches	Collapse psi	Burst psi	Capacities		
	inches				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg	1.995	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80 csg	4	3.875	6350	7780	0.65282	0.08727	0.01554
9.625" 36# J-55 csg	8.921	8.765	2020	3520	3.24699	0.43406	0.07731

Annular Capacities	Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" tbg. X 4.5" csg	0.42272	0.05651	0.01006
4.5" csg. X 9.625" 36# csg	2.42077	0.32361	0.05764
4.5" csg X 7.875 borehole	1.70406	0.2278	0.04057

#### GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Top Green River	940'
Top Mahogany	1664'
Base Parachute	2414'
Top Wasatch	3950'
Top Mesaverde	6359'

<http://digitalibrary.utah.gov/awweb/awarchive?type=file&item=55737>

BMSW Elevation ~2645' MSL  
 BMSW Depth ~3000'



## **BITTER CREEK 1122-4G PLUG & ABANDONMENT PROCEDURE**

### **GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- BLOW DOWN BRADEN HEAD AND SURFACE CASING AS NEEDED AS PER SOP.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, 15.8ppg, YIELD 1.145 CUFT/SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY 48 HOURS BEFORE MOVING ON LOCATION.

PERTINENT WELL HISTORY: EOT @ 7611'. No w/o since completion on 12/24/08. tbg perf @ 6906'-6912' on 4/9/14

### **PROCEDURE**

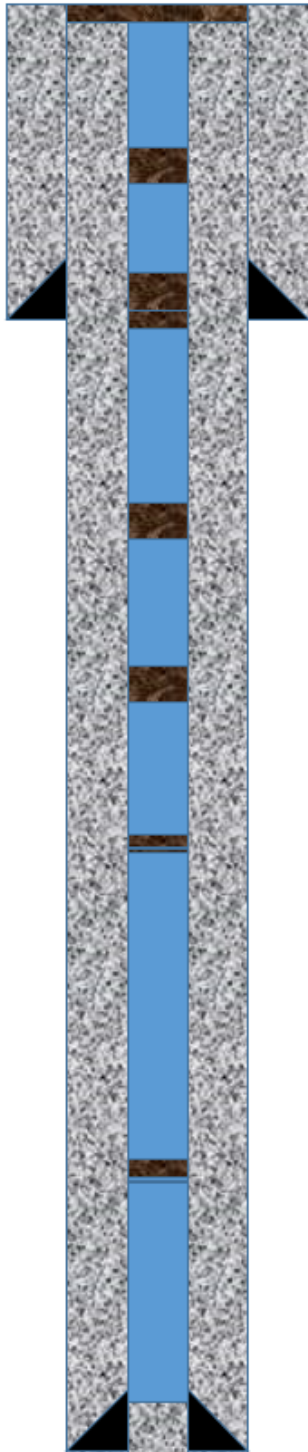
**Note:** Approx. **101 SXS** Class "G" cement needed for procedure & **(2) 4.5" CIBP**

**Note: NO GYRO ON RECORD.** (IF GYRO NEEDED, A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE).

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL PER FOREMAN DISCRETION.
3. ISOLATE MESAVERDE PERFORATIONS (7656'-7874'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~7606', (50' above top perf at 7656'). RELEASE CIBP, PUH 10', SET A 105FT BALANCED CMT PLUG F/ 7606' to 7501'(8 SXS, 9.16 FT3, 1.64 BBLS).
4. ISOLATE WASATCH PERFORATIONS (4950'-5346'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~4900', (50' above top perf at 4950'). RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 105FT BALANCED CMT PLUG F/ 4900' to 4795' (8 SXS, 9.16 FT3, 1.64 BBLS).
5. PROTECT WASATCH TOP (3950'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 4000' to 3790' (16 SXS, 18.32 FT3, 3.27 BBLS).
6. PROTECT BMSW (3000'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 3105' to 2895' (16 SXS, 18.32 FT3, 3.27 BBLS).
7. PROTECT CASING SHOE (1830'): PUH WITH TUBING AND PUMP A MINIMUM OF (105FT) CMT F/ 1880' to 1775' (8 SXS, 9.16 FT3, 1.64 BBLS). **COMBINE WITH STEP 8 PLUG**
8. PROTECT MAHOGANY BASE (1664'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1769' to 1559' (16 SXS, 18.32 FT3, 3.27 BBLS). **COMBINE WITH STEP 7 PLUG: SINCE TOP OF CSG SHOE PLUG IS AT 1775' AND BOTTOM OF MAHOGANY PLUG IS AT 1769' COMBINE BOTH PLUGS AND FILL 6' OF CASING BETWEEN PLUGS WITH CEMENT.**
9. PROTECT GREEN RIVER (940'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1045' to 835' (16 SXS, 18.32 FT3, 3.27 BBLS).
10. PROTECT SURFACE (101'): PUH WITH TUBING AND PUMP A MINIMUM OF (105 FT) CMT F/ 105'-0' (8 SXS, 9.16 FT3, 1.64 BBLS). POOH AND RUN 1 INCH TUBING DOWN THE PRODUCTION/SURFACE CASING ANNULUS TO AS DEEP AS POSSIBLE AND CEMENT TO SURFACE(5 SXS, 5.75 FT3, 1.02 BBLS).
11. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS. RDMO. TURN OVER TO OPS FOR SURFACE REHAB. SURF RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

## BITTER CREEK 1122-4G

Total SXS: 101, Total CIBP: 2



<- Plug for Surface at 0' from 0' to 105' with 8 SXS, 105ft.

<- TOC at <40' (top of fluid level on CBL) 25 bbls of cmt returns so cement at surf (5 SXS to fill all annular spaces)

<- Plug for GreenRiver at 940' from 1045' to 835' with 16SXS, 210ft.

<- Plug for Mahogany at 1664' from 1769' to 1559' with 210ft, 16SXS, 210ft.

<- Fill void from 1775' to 1769' with cement to make one plug.

<- Plug for Surface Shoe at 1830' from 1880' to 1775' with 8SXS, 105ft.

<- Parachute Base at 2414'

<- Plug for BMSW at 3000' from 3105' to 2895' with 16SXS, 210ft.

<- Plug for Wasatch at 3950' from 4000' to 3790' with 16SXS, 210ft.

<- Plug above CIBP at 4900' from 4900' to 4795' with 8SXS, 105ft.

<-CIBP Above Perfs at 4900'

<-Wasatch perfs 4950'-5346'

<- Plug above CIBP at 7606' from 7606' to 7501' with 8SXS, 105ft.

<-CIBP Above Perfs at 7606'

<-MV perfs 7656'-7874'

<-PBTD at 8366'

<- Production Casing Shoe at 8415'

<-TD at 8415'

<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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-71417
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> Kerr-McGee Oil & Gas Onshore, LP		<b>8. WELL NAME and NUMBER:</b> BITTER CREEK 1122-4G
<b>3. ADDRESS OF OPERATOR:</b> PO Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217-3779		<b>9. API NUMBER:</b> 43047397520000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2804 FNL 2090 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 4 Township: 11S Range: 22E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> BITTER CREEK
<b>11.</b> CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		<b>COUNTY:</b> UINTAH
<b>STATE:</b> UTAH		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<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 checked="" 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/12/2019	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> OTHER	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON FEBRUARY 12, 2019. THANK YOU.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 22, 2019		
<b>NAME (PLEASE PRINT)</b> Teisha Black	<b>PHONE NUMBER</b> 435 781-9724	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/15/2019	

<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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-71417
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> Kerr-McGee Oil & Gas Onshore, LP		<b>7. UNIT or CA AGREEMENT NAME:</b>  
<b>3. ADDRESS OF OPERATOR:</b> PO Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217-3779		<b>8. WELL NAME and NUMBER:</b> Bitter Creek 1122-4G
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2804 FNL 2090 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 4 Township: 11S Range: 22E Meridian: S		<b>9. API NUMBER:</b> 43047397520000
<b>PHONE NUMBER:</b> 720-929-6485		<b>9. FIELD and POOL or WILDCAT:</b> BITTER CREEK
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/27/2020	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, methods, and equipment used.</b> Kerr McGee Oil & Gas Onshore has concluded the plug and abandonment operations on the subject well. Plugging Activities were Witnessed by: Mitch Wilhelm, BLM Representative GPS reading at wellhead: N 39° 51.431' W 109° 27.484' Please see the attached operations summary report for details. Please contact the undersigned with any questions and or comments. Thank you		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Chelsie Pratt		<b>PHONE NUMBER</b> 435-781-9774
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory
		<b>DATE</b> 3/2/2020

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

Well: BITTER CREEK 1122-4G				Spud Conductor: 10/28/2008				Spud date: 11/1/2008			
Project: UTAH-UINTAH				Site: BITTER CREEK 1122-4G				Rig name no.: Rig #1/1			
Event: ABANDONMENT				Start date: 2/24/2020				End date: 2/27/2020			
Active datum: RKB @5,645.00usft (above Mean Sea Level)				UWI: BITTER CREEK 1122-4G							
Date	Time Start-End		Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation		
2/25/2020	6:45	- 7:00	0.25	ABANDP	48	B	P		HSM, JSA		
	7:00	- 8:00	1.00	ABANDP	30	A	P		RU RIG & SPOT EQ,		
	8:00	- 10:00	2.00	ABANDP	30	D	P		MIRU SWEETWATER PT, STUMP TEST BLIND RAMS= LOW TEST 300, HELD 10 MIN, GOOD TEST, HIGH TEST 3200#, HELD 10 MIN, GOOD TEST, NU BOP, LOW PIPE RAMS = 310#, HELD 10 MIN, GOOD TEST, HIGH PIPE RAMS = 3040#, HELD 10 MIN, GOOD TEST, RDMO SWEETWATER.		
	10:00	- 17:00	7.00	ABANDP	31	I	P		NU BOP, RU RIG FLOOR & TBG EQ, UNLAND TBG & LD TBG HNGR. POOH LD 244 JTS 2 3/8" J-55 & XN. PREP & TALLY WORK STING TBG. PU 4.5" CIBP, RIH W/ 239 JTS 2 3/8" J-55, SET CIBP @ 7602', SWIFN. PUMP TTL 250 BBL TMAC.		
2/26/2020	7:00	- 7:30	0.50	ABANDP	48	B	P		HSM, TRIPPING TBG IN DERICK, MAKE SURE JERONIMO IS READY.		
	7:30	- 8:30	1.00	ABANDP	51	D	P		SICP 0, FILL HOLE W/ T-MAC, PUPED 1.3 BBLS FRESH, 2 BBLS 10 SXS 15.8# 1.15 YEILD G CMT, .5 BBLS FRESH, DISPL W/ 27.3 BBLS T-MAC.		
	8:30	- 11:30	3.00	ABANDP	31	I	P		L/D 84 JTS POOH W/ 154 JTS L/D SETTING TOOL. PU RIH W/ 2ND CIBP & 154 JTS SET CIBP @ 4897'.		
	11:30	- 12:00	0.50	ABANDP	52	F	P		RU CIRC WELL W/ 69 BBLS T-MAC TEST CSG TO 750 PSI		
	12:00	- 17:00	5.00	ABANDP	51	D	P		PUMPED 1.3 BBLS FRESH, 2 BBLS 10 SXS 15.8# 1.15 YEILD G CMT, .5 BBLS FRESH, DISPL W/ 16.8 BBLS T-MAC.L/D 29 JTS EOT @ 4002'.PUMPED 1.3 BBLS FRESH, 3.2 BBLS 16 SXS 15.8# 1.15 YEILD G CMT, .5 BBLS FRESH, DISPL W/ 13 BBLS T-MAC.L/D 28 JTS EOT @ 3114'.PUMPED 1.3 BBLS FRESH, 3.2 BBLS 16 SXS 15.8# 1.15 YEILD G CMT, .5 BBLS FRESH, DISPL W/ 9.6 BBLS T-MAC.L/D 38 JTS EOT @ 1901'. PUMPED 1.3 BBLS FRESH, 5.3 BBLS 26 SXS 15.8# 1.15 YEILD G CMT, .5 BBLS FRESH, DISPL W/ 4.3 BBLS T-MAC.L/D 26 JTS EOT @ 1067'.PUMPED 1.3 BBLS FRESH, 3.6 BBLS 18 SXS 15.8# 1.15 YEILD G CMT, .5 BBLS FRESH, DISPL W/ 1.7 BBLS T-MAC.L/D REM 33 JTS. RD FLOOR ND BOPS, RIG DWN RIG SDFN.		
2/27/2020	7:00	- 7:30	0.50	ABANDP	48	B	P		HSM, DIGGING UP WELL HEAD		
	7:30	- 9:00	1.50	ABANDP	51	D	P		DIG & CUT OFF WELL HEAD, TOPPED OFF 41/2 W/ 8 SXS CMT, 95/8 W/ 2 SXS CMT WELD ON MARKER PLATE FINAL. BLM REP MITCH WILHELM, ( GPS @ WELL HEAD N 39° 51.431' W 109° 27.484' )		

Effective Date: 6/30/2020

<b>FORMER OPERATOR:</b> Kerr-McGee Oil and Gas Onshore, L.P.	<b>NEW OPERATOR:</b> Caerus Uinta, LLC
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Groups: 10/9/2020 sent list to operators to review.

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached list									

Total Well Count: 3508  
Pre-Notice Completed: 11/10/2020

**OPERATOR CHANGES DOCUMENTATION:**

- 1. Sundry or legal documentation was received from the **FORMER** operator on: 8/11/2020
- 2. Sundry or legal documentation was received from the **NEW** operator on: 8/11/2020
- 3. New operator Division of Corporations Business Number: 11801118-0161

**REVIEW:**

Receipt of Acceptance of Drilling Procedures for APD on: 10/16/2020  
Reports current for Production/Disposition & Sundries: 11/10/2020  
OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 11/9/2020  
UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 10/16/2020  
Surface Facility(s) included in operator change:

- East Bench
- Archie Bench
- Bonanza
- Bridge
- Goat Pasture
- Goat Pasture Manifold
- Morgan State 921-36P
- Morgan States
- NBU 1022-14B
- NBU 921-25A
- NBU 922-29J
- NBU 922-32N
- Pipeline
- Sage Grouse
- Sand Wash

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s): 6135000111  
LPM9344488-Shut-In Bond

**DATA ENTRY:**

Well(s) update in the RBDMS on: 11/19/2020  
Group(s) update in RDBMS on: 11/19/2020  
Surface Facilities update in RBDMS on: 11/19/2020  
Entities Updated in RBDMS on: 11/19/2020

**COMMENTS:** Shut-In Wells that were reviewed.

- CIGE 236 4304732861
- CIGE 42 4304730492
- CIGE 55 4304730512
- Love 1121-16N 4304736256
- Morgan State 16-36 4304733093
- NBU 341-29E 4304733055
- NBU 691-29E 4304750027
- NBU 921-33F 4304736391
- NBU 99 4304731745
- Ouray SWD 1 4304733449
- State 1022-32O 4304735315
- State 921-32M 4304734872



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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
CAERUS UINTA LLC

3. ADDRESS OF OPERATOR:  
1001 17TH ST. STE 1600 CITY DENVER STATE CO ZIP 80202

PHONE NUMBER:  
303-565-4600

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1162 FSL 1365 FWL

COUNTY: UTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 20 10S 21E S

STATE: UTAH

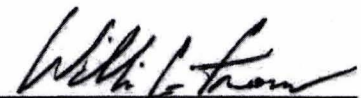
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>06/30/2020</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Transfer remediation liabilities
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective June 30, 2020, operation of the following wells was taken over by:  
Caerus Uinta LLC  
1001 17th Street, Suite 1600  
Denver, CO 80202  
303-565-4600

The previous Operator was Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
Denver, CO 80217-3779

  
William C. Irons  
Attorney-in-Fact

Please see the attached wells for a complete list that will be transferred upon approval. As the Attorney-in-Fact for Kerr-McGee Oil & Gas Onshore LP I ask that you accept this letter as Kerr-McGee's official resignation and request to transfer operating rights to Caerus Uinta LLC, whose operator number is 105039. UDOGM Bond# 6135000111 and BLM Bond# COB000387.

Kerr-McGee will be transferring cleanup/soils remediation to Caerus Uinta LLC for Incident #5772. The new contact for Caerus is Grizz Oleen, EHS Field Lead (435) 790-9669.

NAME (PLEASE PRINT) Aubree Besant TITLE Director of Land  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

(This space for State use only)

**APPROVED**

By: Rachel Medina  
Utah Division of  
Oil, Gas, and Mining

(See Instructions on Reverse Side)

RECEIVED

AUG 11 2020

DIV OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-02278-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
NATURAL BUTTES

1. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
CIGE 20

2. NAME OF OPERATOR:  
CAERUS UINTA LLC

9. API NUMBER:  
43047304850000

3. ADDRESS OF OPERATOR:  
1001 17TH ST. STE 1600 CITY DENVER STATE CO ZIP 80202

PHONE NUMBER:  
303-565-4600

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1162 FSL 1365 FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 20 10S 21E S

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>06/30/2020</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Transfer remediation liabilities</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective June 30, 2020, operation of the following wells was taken over by:

Caerus Uinta LLC  
1001 17th Street, Suite 1600  
Denver, CO 80202  
303-565-4600

The previous Operator was Kerr-McGee Oil & Gas Onshore LP  
PO Box 173779  
Denver, CO 80217-3779

William C. Irons  
Attorney-in-Fact

Please see the attached wells for a complete list that will be transferred upon approval. As the Attorney-in-Fact for Kerr-McGee Oil & Gas Onshore LP I ask that you accept this letter as Kerr-McGee's official resignation and request to transfer operating rights to Caerus Uinta LLC, whose operator number is 105039. UDOGM Bond# 6135000111 and BLM Bond# COB000387.

Kerr-McGee will be transferring cleanup/soils remediation to Caerus Uinta LLC for Incident #5772. The new contact for Caerus is Grizz Oleen, EHS Field Lead (435) 790-9669.

NAME (PLEASE PRINT) Aubree Besant

TITLE Director of Land

SIGNATURE [Signature]

DATE July 17, 2020

RECEIVED

(This space for State use only)

**APPROVED**

By: Rachel Medina  
Utah Division of  
Oil, Gas, and Mining

AUG 11 2020

DIV OF OIL, GAS & MINING





October 2, 2025

Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple  
Suite 1210  
Salt Lake City, UT 84116  
Attn: MykelLynn Bryson

RE: Notice of Name Change – Caerus Uinta, LLC

To Whom It May Concern:

Effective September 1, 2025, Caerus Uinta, LLC has changed its name to **KODA GNB, LLC**. KODA Uinta, LLC remains a wholly owned subsidiary of KODA Holdings, LLC.

This is a name change only; there is no change to addresses, tax identification numbers, or bank accounts.

Enclosed for your processing and records are the following:

1. Delaware Secretary of State Name Change Certificate
2. Updated W9 showing name change
3. Name Change Rider B014249 - Blanket Bond
4. Name Change Rider 612418229 - Blanket Idle well Bond
5. Name Change Rider B013581 – Pipeline Pit 1 & 2
6. Name Change Rider B013582 – Bonanza Pit 1 & 2
7. Name Change Rider B013583 – Goat Pasture Pit 1 & 2

Please feel free to contact me at [aly.schuster@kodaresources.com](mailto:aly.schuster@kodaresources.com) or 720-500-0140 should you have any questions or need any additional information.

Sincerely,  
KODA GNB, LLC

A handwritten signature in blue ink, appearing to read "Aly Schuster". The signature is fluid and cursive, with a long horizontal stroke at the end.

Aly Schuster  
Senior Landman

Enclosure

1401 Wynkoop St, Suite 300  
Denver, CO 80202

[owners@kodaresources.com](mailto:owners@kodaresources.com) | [www.kodaresources.com](http://www.kodaresources.com)

# Delaware

The First State

Page 1

I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE  
STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND  
CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "CAERUS UINTA  
LLC", CHANGING ITS NAME FROM "CAERUS UINTA LLC" TO "KODA GNB,  
LLC", FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF AUGUST,  
A.D. 2025, AT 9:14 O'CLOCK P.M.



7877090 8100  
SR# 20253839085

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

A handwritten signature in cursive script, reading "C. B. Sanchez".

Charuni Patibanda-Sanchez, Secretary of State

Authentication: 204623735  
Date: 09-02-25

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 09:11 PM 08/29/2025  
FILED 09:14 PM 08/29/2025  
SR 20253839085 - File Number 7877090

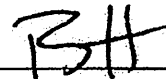
## STATE OF DELAWARE CERTIFICATE OF AMENDMENT

1. Name of Limited Liability Company: Caerus Uinta LLC
2. The Certificate of Formation of the limited liability company is hereby amended as follows:

The name of the limited liability company is: KODA  
GNB, LLC.

IN WITNESS WHEREOF, the undersigned have executed this Certificate on  
the 29th day of August, A.D. 2025.

By: \_\_\_\_\_



Authorized Person(s)

Name: Ryan Midgett

Print or Type