

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: ML-21329	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE L.P.				9. WELL NAME and NUMBER: STATE 1021-28M	
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078			PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 461'FSL, 785'FWL AT PROPOSED PRODUCING ZONE:				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 28 10S 21E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 19.2 MILES SOUTH OF OURAY, UTAH				12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 461'		16. NUMBER OF ACRES IN LEASE: 640.00		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40.00	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C		19. PROPOSED DEPTH: 9,150		20. BOND DESCRIPTION: RLB0005237	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5303'GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION:	

622871X 39.912594  
4418835Y - 109.562443

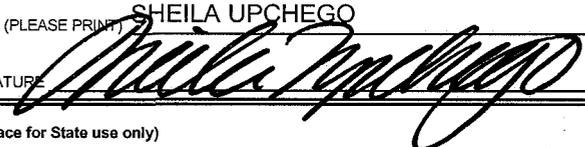
**24. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	H-40	32.3#	1,800	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	I-80	11.6#	9,150	1930 SX 50/50 POZ	1.31 YIELD	14.3 PPG

**25. ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

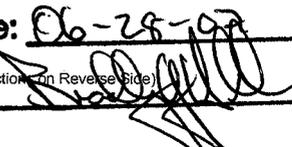
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST  
 SIGNATURE  DATE 2/28/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-047-39098

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

APPROVAL:  
Date: 06-28-07  
By: 

**RECEIVED  
MAR 16 2007  
DIV. OF OIL, GAS & MINING**

# T10S, R21E, S.L.B.&M.

## Kerr-McGee Oil & Gas Onshore LP

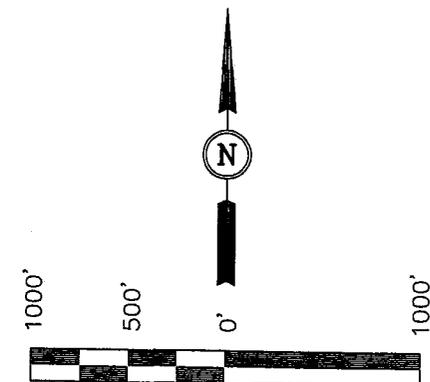
Well location, STATE #1021-28M, located as shown in the SW 1/4 SW 1/4 of Section 28, T10S, R21E, S.L.B.&M. Uintah County, Utah.

### 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.

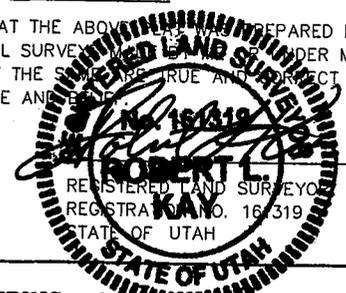
### BASIS OF BEARINGS

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



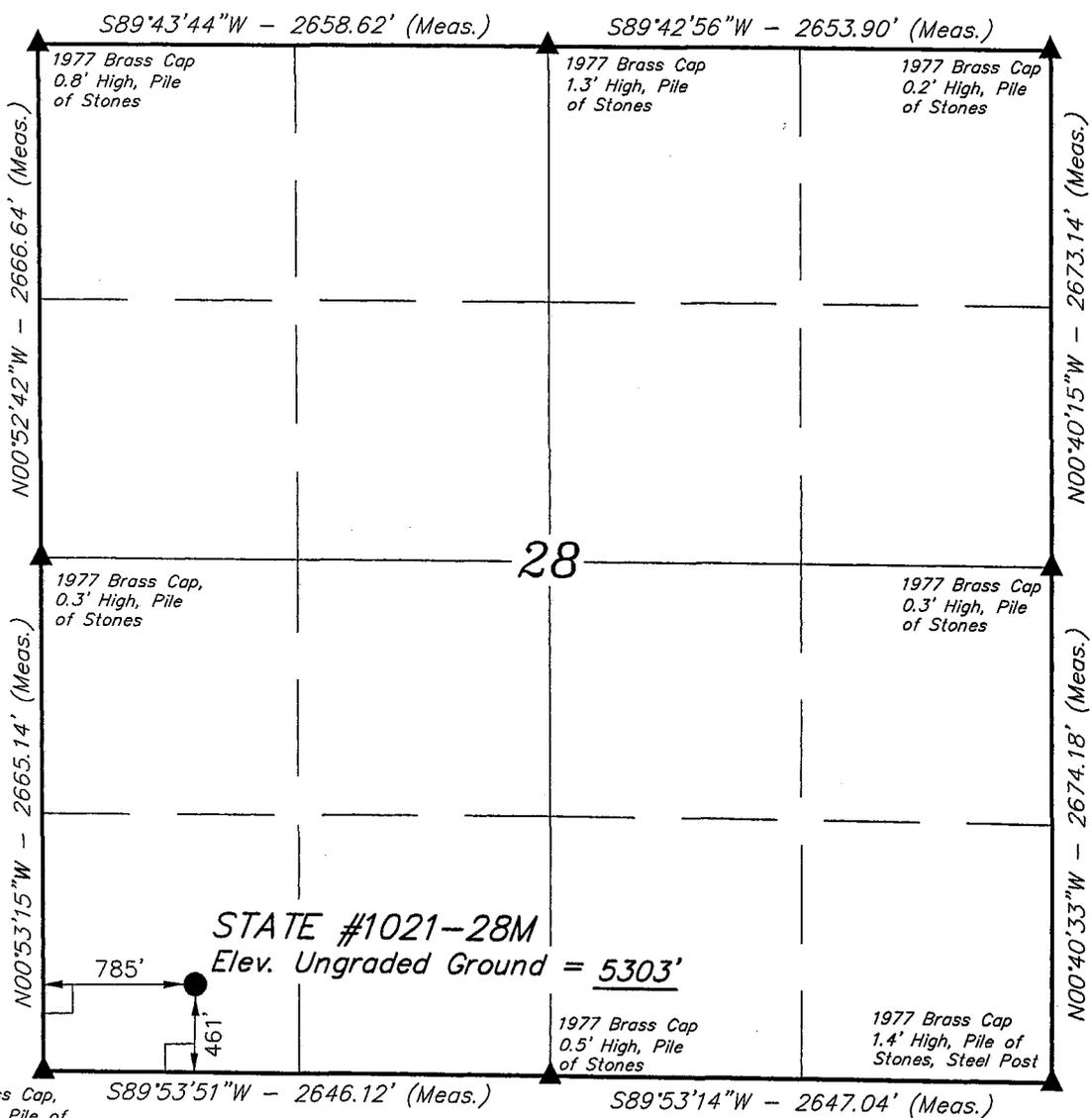
SCALE  
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE DRAWING WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY AND WAS UNDER MY SUPERVISION AND THAT THE SAME 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: 1-2-07	DATE DRAWN: 1-8-07
PARTY N.H. G.S. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	



### LEGEND:

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

(NAD 83)  
 LATITUDE = 39°54'45.19" (39.912553)  
 LONGITUDE = 109°33'47.23" (109.563119)  
 (NAD 27)  
 LATITUDE = 39°54'45.31" (39.912586)  
 LONGITUDE = 109°33'44.76" (109.562433)

STATE 1021-28M  
SW/SW SEC. 28, T10S, R21E  
UINTAH COUNTY, UTAH  
ML-21329

ONSHORE ORDER NO. 1

***DRILLING PROGRAM***

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	991'
Top of Birds Nest Water	1248'
Mahogany	1785'
Wasatch	4170'
Mesaverde	6989'
MVU2	7978'
MVL1	8501'
TD	9150'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	991'
	Top of Birds Nest Water	1248'
	Mahogany	1785'
Gas	Wasatch	4170'
Gas	Mesaverde	6989'
Gas	MVU2	7978'
Gas	MVL1	8501'
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 9150' TD, approximately equals 5673 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3660 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE February 28, 2007  
 WELL NAME STATE 1021-28M TD 9,150' MD/TVD \_\_\_\_\_  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,303' GL KB 5,318'  
 SURFACE LOCATION SW/SW SEC. 28, T10S, R21E 461FSL, 785FWL BHL Straight Hole  
 Latitude: 39.912553 Longitude: 109.563119  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: UDOGM (SURF & MINERALS), Tri-County Health Dept.

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION 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 4,170' <div style="margin-left: 100px;">             Green River @ 0,991'              Top of Birds Nest Water @ 1248'              Mahogany @ 1,785'              Preset f/ GL @              1,800' MD           </div>					
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			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.3 ppg
	Wasatch @	4,170'			
	Mverde @	6,989'			
	MVU2 @	7,978'			
	MVL1 @	8,501'			
		TD @ 9,150'			Max anticipated Mud required 11.3 ppg



# 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	0.67*****	1.63	4.99
PRODUCTION	4-1/2"	0 to 9150	11.60	I-80	LTC	7780	6350	201000
						2.31	1.18	2.17

- 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 = 11.3 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 3364 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		<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>					
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	3,670'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	400	60%	11.00	3.38
	TAIL	5,480'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1530	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.

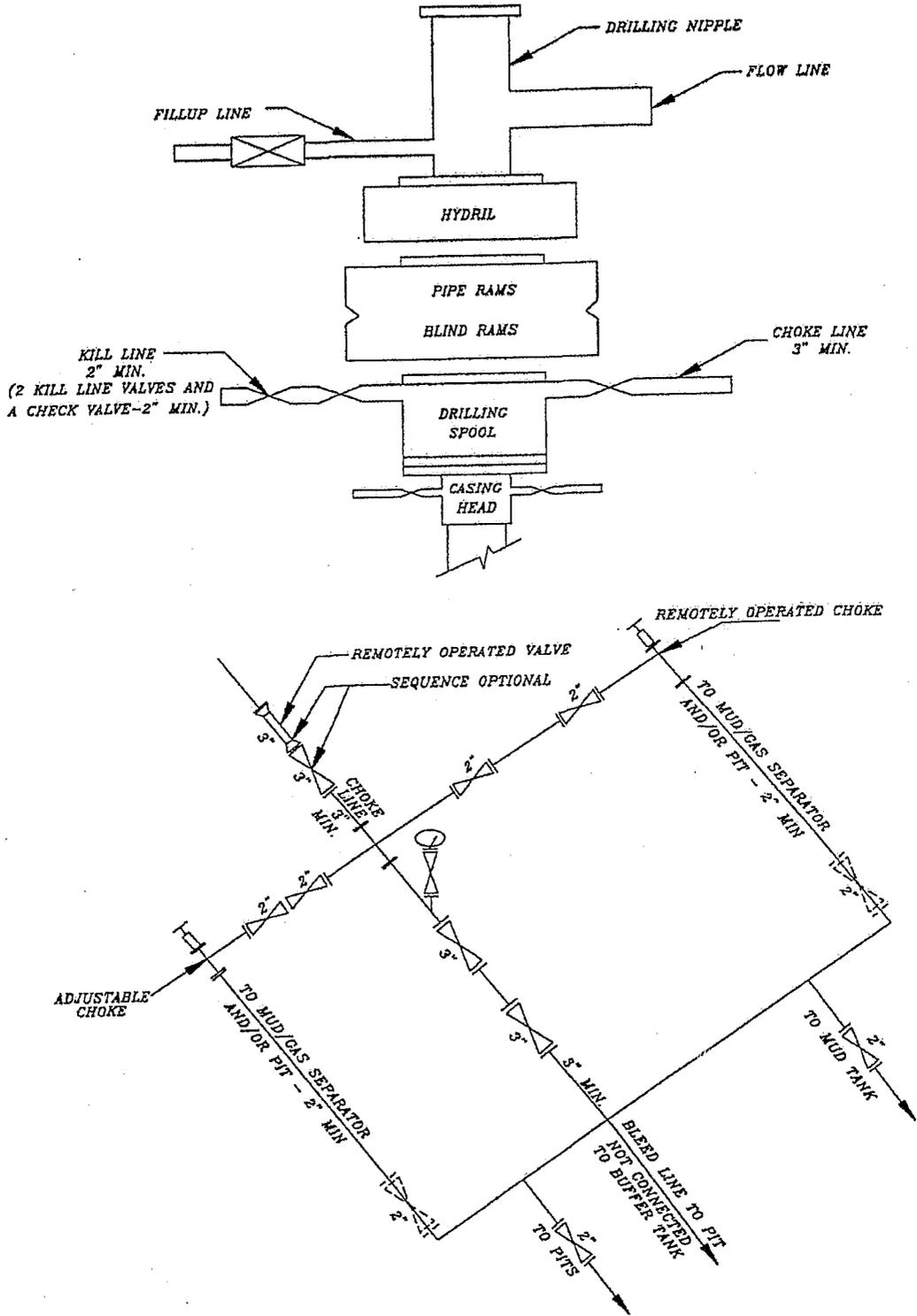
DRILLING ENGINEER: \_\_\_\_\_  
Brad Laney

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

DRILLING SUPERINTENDENT: \_\_\_\_\_  
Randy Bayne STATE1021-28M DHD.xls

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

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



STATE 1021-28M  
SW/SW SEC. 28, T10S, R21E  
Uintah County, UT  
ML-21329

ONSHORE ORDER NO. 1

*MULTI-POINT SURFACE USE & OPERATIONS PLAN*

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

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

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

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

2. **Planned Access Roads:**

Approximately 0.1 +/- miles of proposed access road is proposed. Please refer to the attached Topo Map B.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

*Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.*

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

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

Please refer to Topo Map C.

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

*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 required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

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

Approximately 650' +/- 4" steel pipeline is proposed. Please refer to the attached Topo Map D.

**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 and felt will be used, it will be a minimum of 20 mil thick, 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.

**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.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

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.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

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

*Producing Location:*

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.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

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.

**11. Surface Ownership:**

SITLA  
675 East 500 South, Suite 500  
Salt Lake City, UT 84102

**12. Other Information:**

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.

A Class III archaeological survey will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

**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. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, 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

2/28/2007

\_\_\_\_\_  
Date

# Kerr-McGee Oil & Gas Onshore LP

## STATE #1021-28M SECTION 28, T10S, R21E, 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; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 15.6 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1021-28K TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.4 MILES.

# Kerr-McGee Oil & Gas Onshore LP

## STATE #1021-28M

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 28, T10S, R21E, S.L.B.&M.

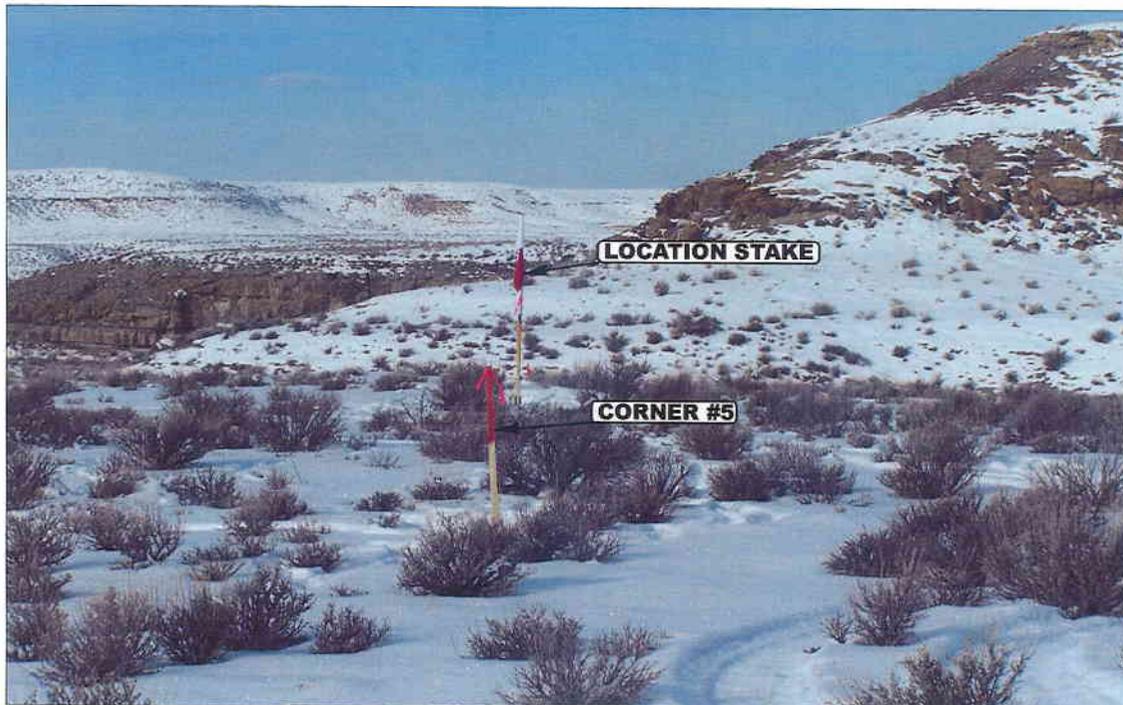


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

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

LOCATION PHOTOS

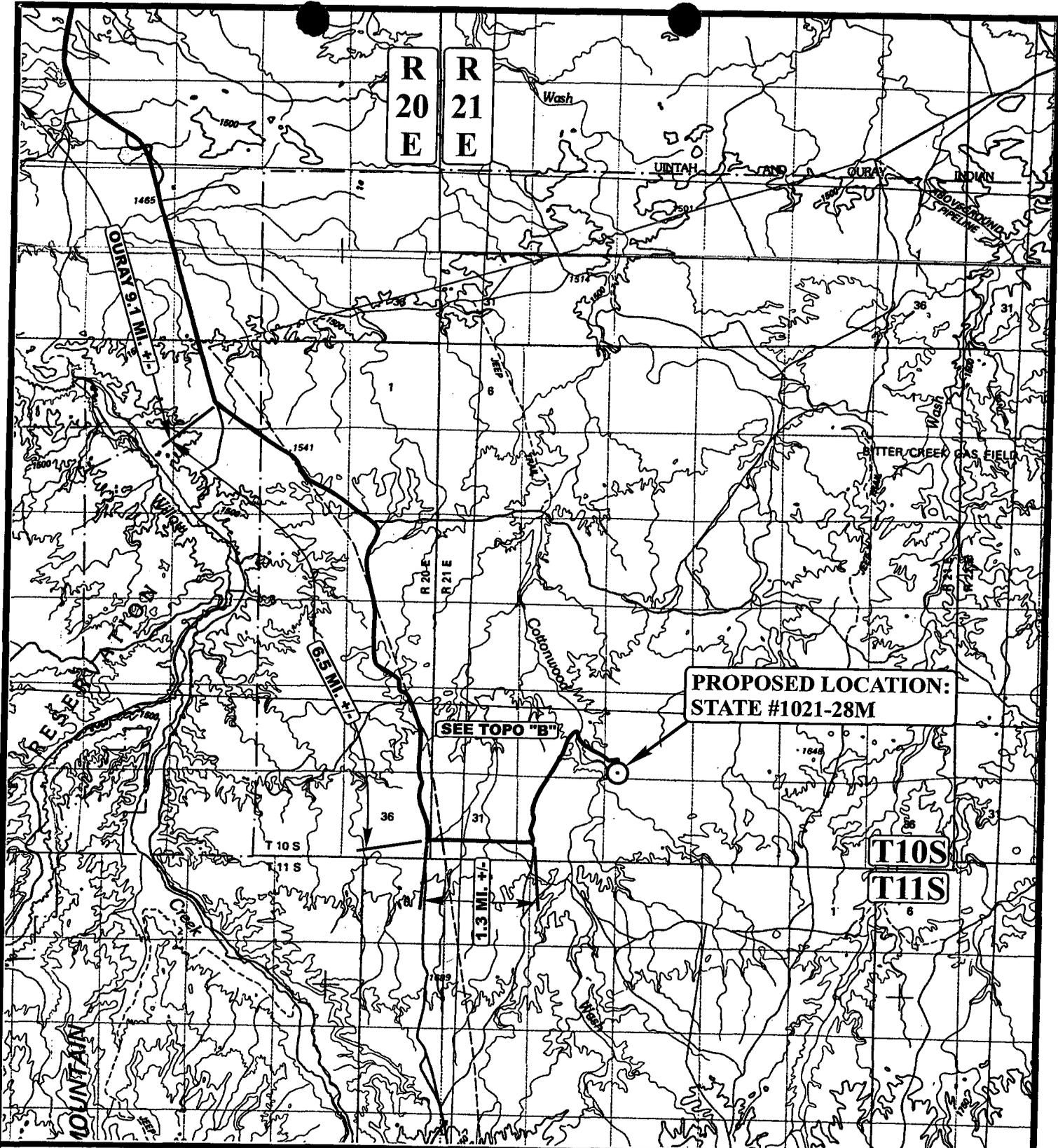
01 04 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: N.H.

DRAWN BY: C.P.

REVISED: 00-00-00



**LEGEND:**

○ PROPOSED LOCATION

N



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

**STATE #1021-28M**

**SECTION 28, T10S, R21E, S.L.B.&M.**

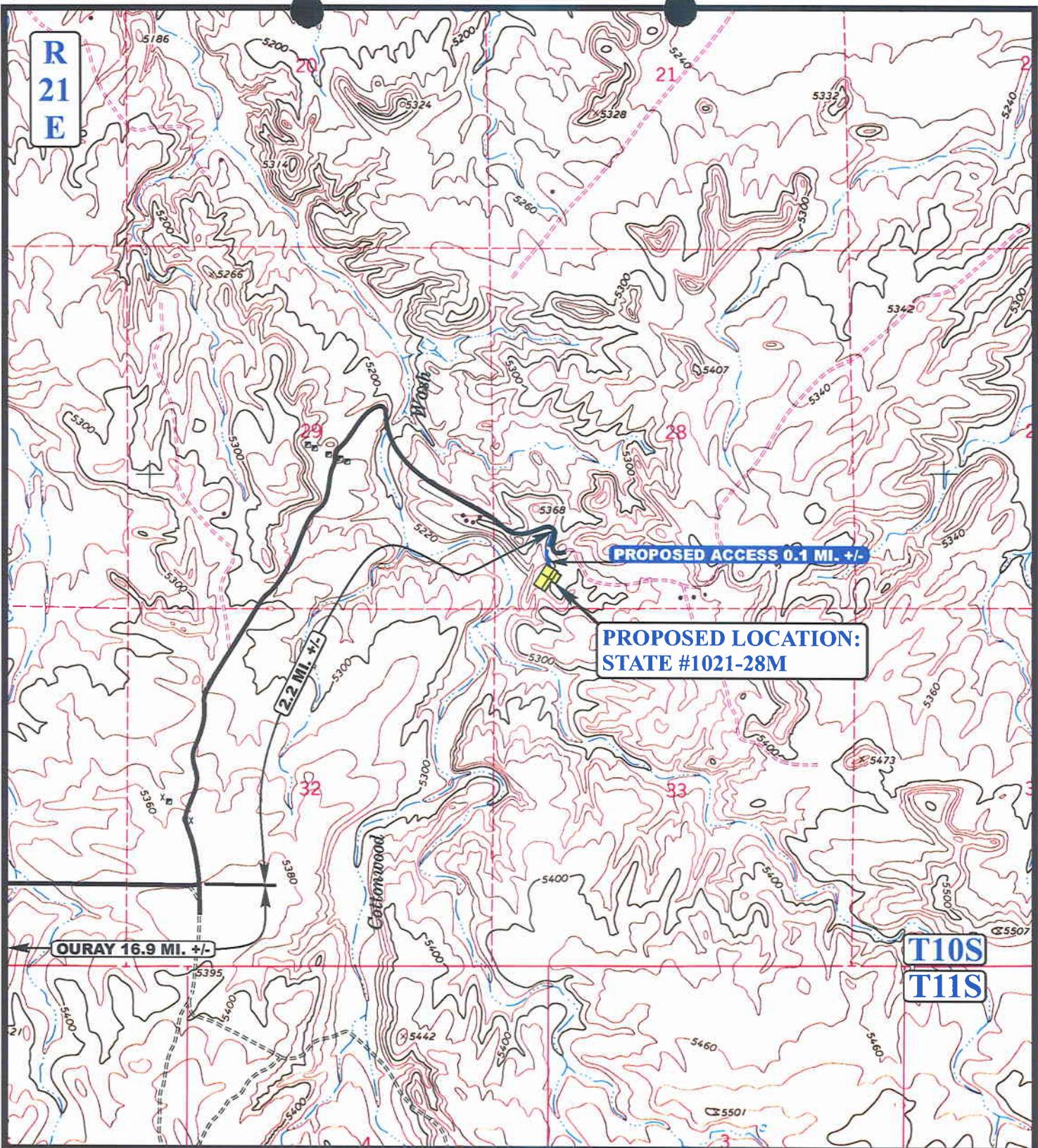
**461' FSL 785' FWL**



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

**TOPOGRAPHIC** 01 04 07  
**MAP** MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

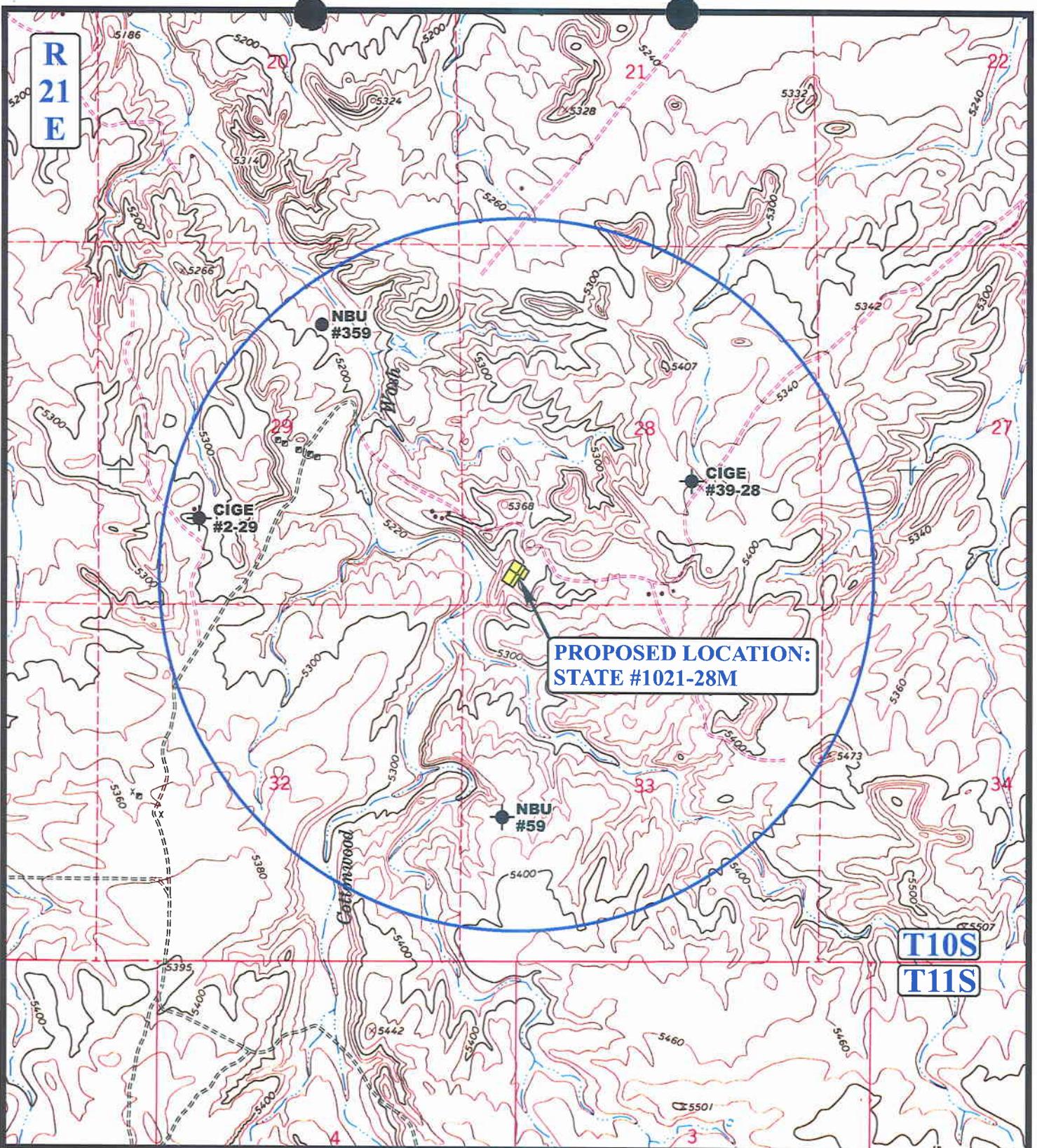


**Kerr-McGee Oil & Gas Onshore LP**

**STATE #1021-28M  
SECTION 28, T10S, R21E, S.L.B.&M.  
461' FSL 785' FWL**

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

**TOPOGRAPHIC MAP** 01 04 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 |



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**SECTION 28, T10S, R21E, S.L.B.&M.**  
**461' FSL 785' FWL**

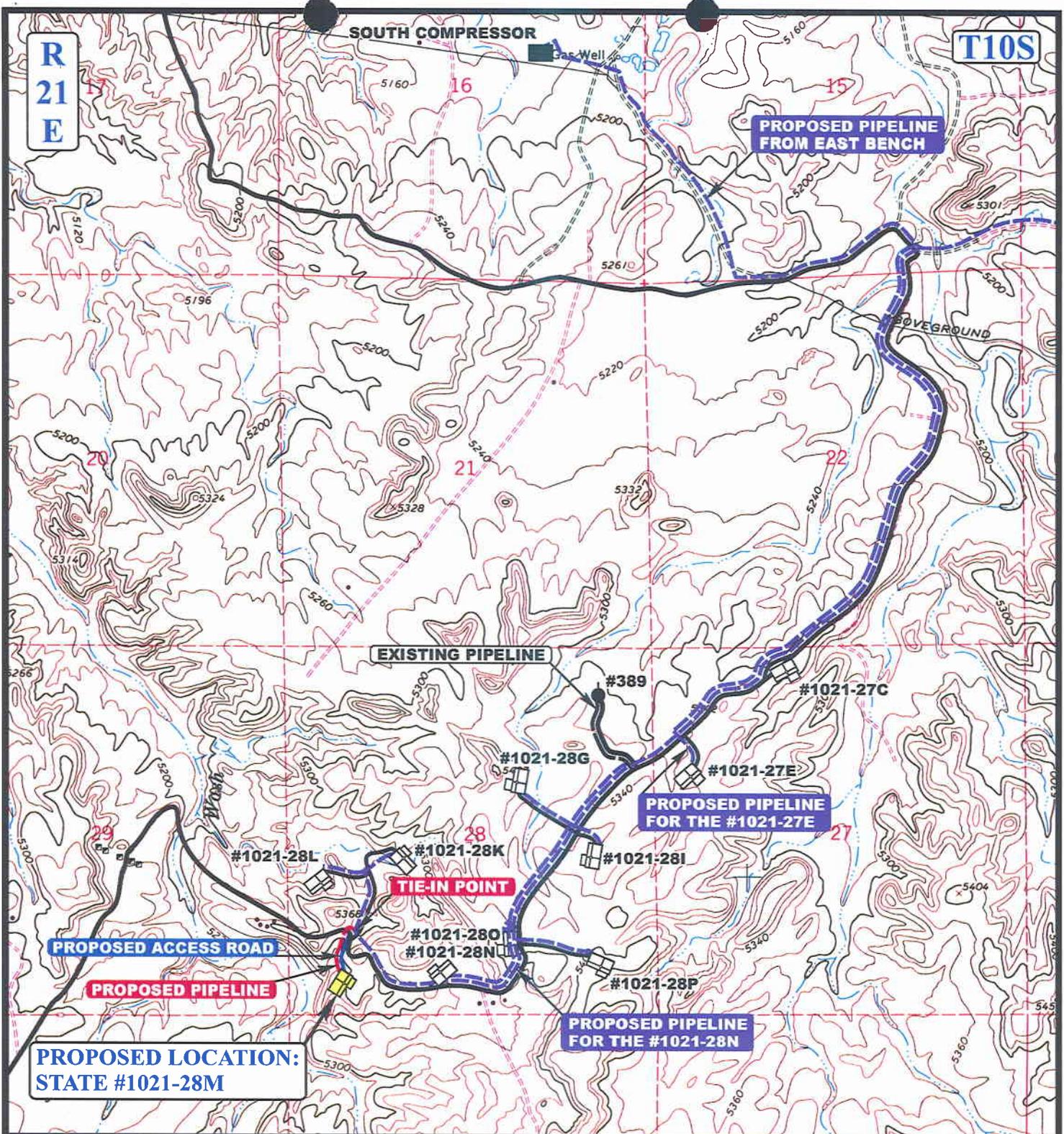


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 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 01 04 07  
**MAP** MONTH DAY YEAR

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





**APPROXIMATE TOTAL PIPELINE DISTANCE = 650' +/-**

**LEGEND:**

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



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

**STATE #1021-28M**  
**SECTION 28, T10S, R21E, S.L.B.&M.**  
**461' FSL 785' FWL**



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 85 South 200 East Vernal, Utah 84078  
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**TOPOGRAPHIC MAP** **01 04 07**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



# Kerr-McGee Oil & Gas Onshore LP

STATE #1021-28M

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 28, T10S, R21E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying

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

PIPELINE PHOTOS

01 04 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: N.H.

DRAWN BY: C.P.

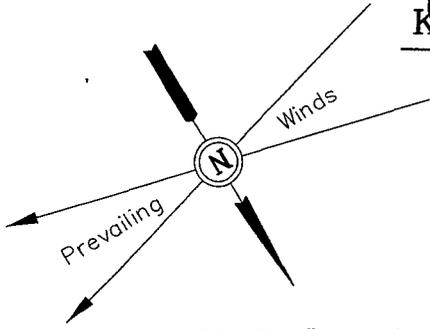
REVISED: 00-00-00

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

## LOCATION LAYOUT FOR

STATE #1021-28M  
SECTION 28, T10S, R21E, S.L.B.&M.  
461' FSL 785' FWL

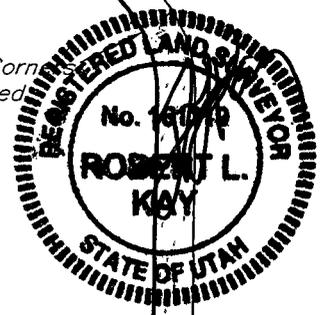


SCALE: 1" = 50'  
DATE: 1-8-06  
Drawn By: K.G.

F-1.4'  
El. 298.3'

F-5.9'  
El. 293.8'

F-1.2' Sta. 3+50  
El. 298.5'

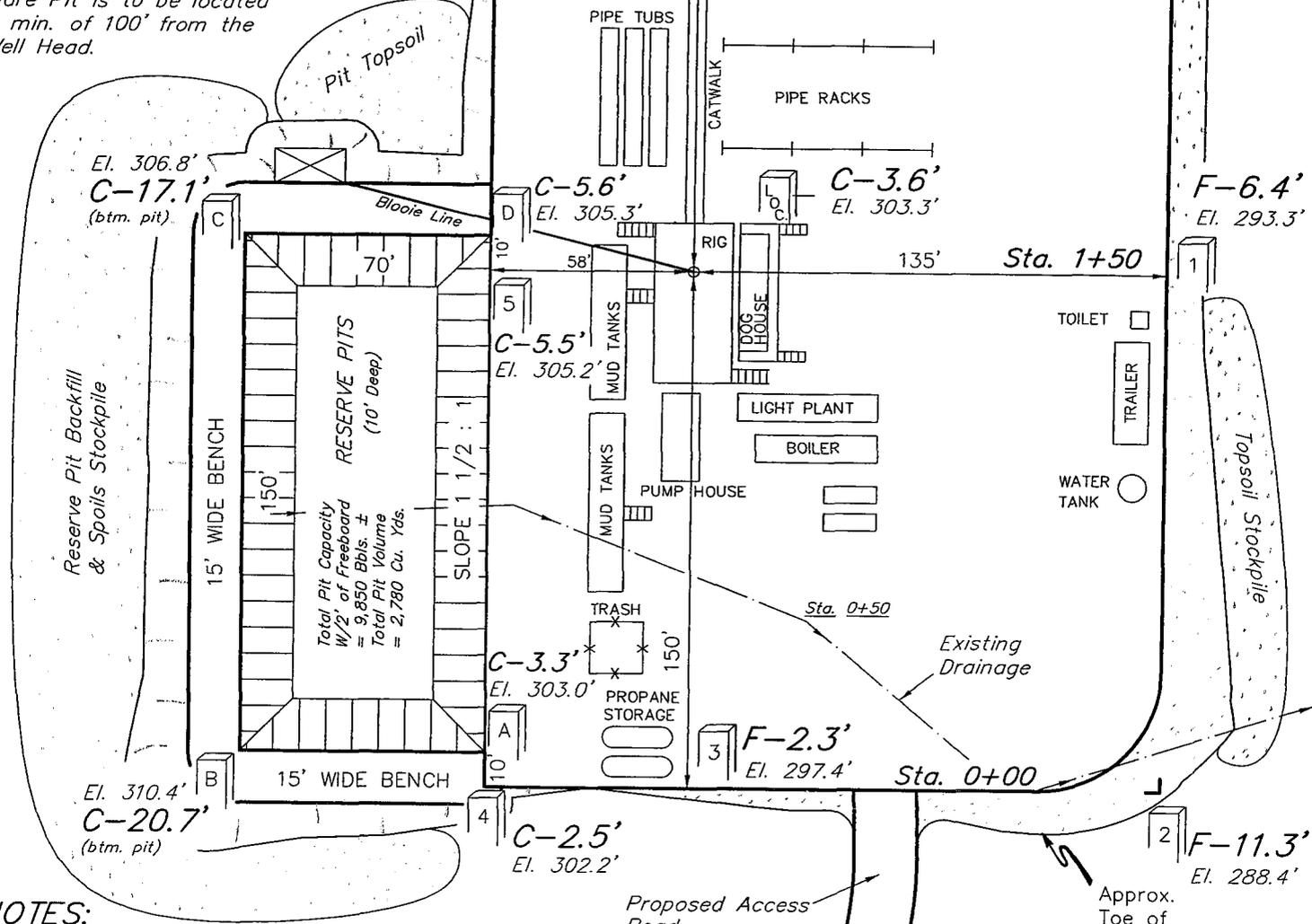


Round Corners  
as Needed

Approx.  
Top of  
Cut Slope

**NOTE:**

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

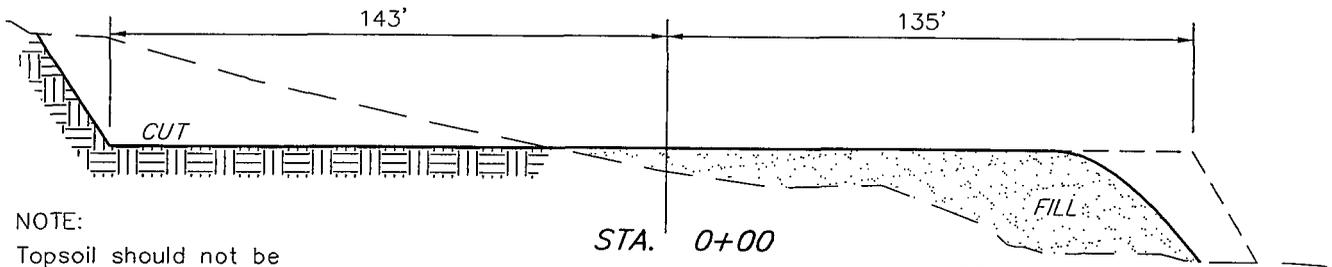
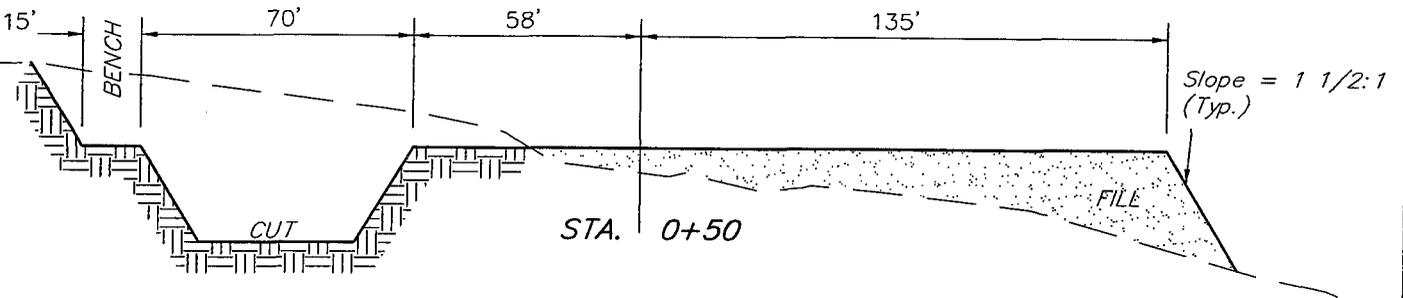
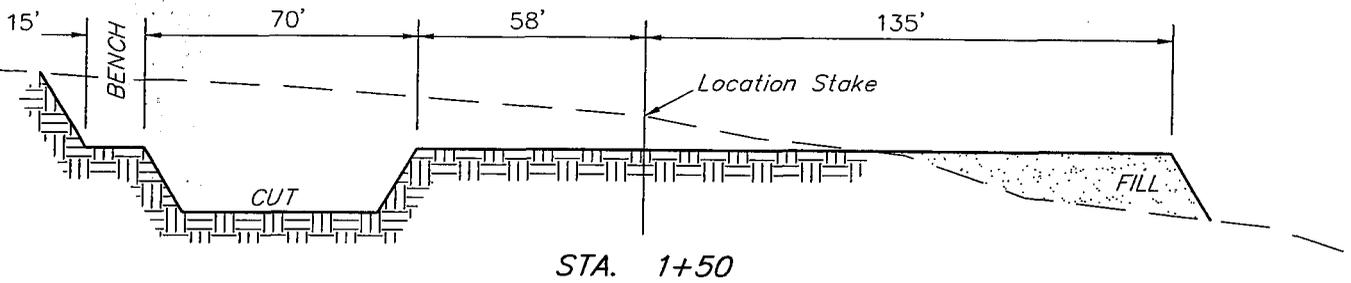
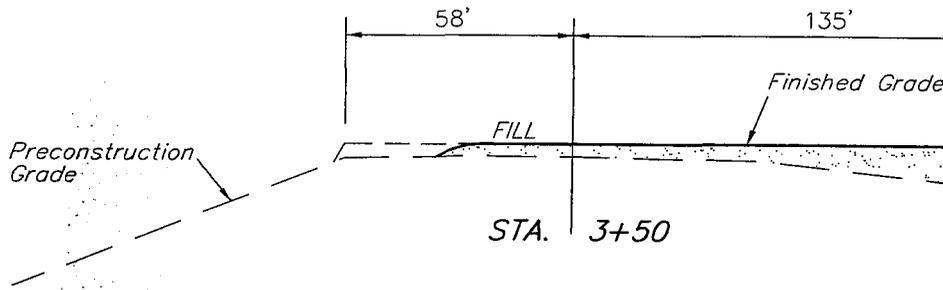
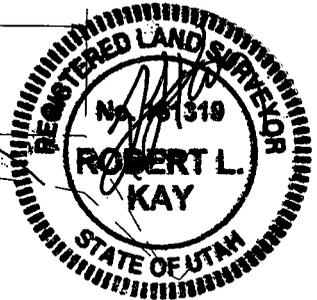


**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 5303.3'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5299.7'

TYPICAL CROSS SECTIONS FOR  
STATE #1021-28M  
SECTION 28, T10S, R21E, S.L.B.&M.  
461' FSL 785' FWL

1" = 20'  
X-Section Scale  
1" = 50'  
DATE: 1-8-06  
Drawn By: K.G.



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

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

<b>CUT</b>	
(6") Topsoil Stripping	= 1,800 Cu. Yds.
Remaining Location	= 8,730 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 10,530 CU.YDS.</b>
<b>FILL</b>	<b>= 7,340 CU.YDS.</b>

EXCESS MATERIAL	= 3,190 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,190 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/16/2007

API NO. ASSIGNED: 43-047-39098

WELL NAME: STATE 1021-28M  
 OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )  
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

SWSW 28 100S 210E  
 SURFACE: 0461 FSL 0785 FWL  
 BOTTOM: 0461 FSL 0785 FWL  
 COUNTY: Uintah  
 LATITUDE: 39.91259 LONGITUDE: -109.5624  
 UTM SURF EASTINGS: 622871 NORTHINGS: 4418835  
 FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
<b>Tech Review</b>	<b>Initials</b>	<b>Date</b>
Engineering	DKD	4/30/07
Geology		
Surface		

LEASE TYPE: 3 - State  
 LEASE NUMBER: ML-21329  
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

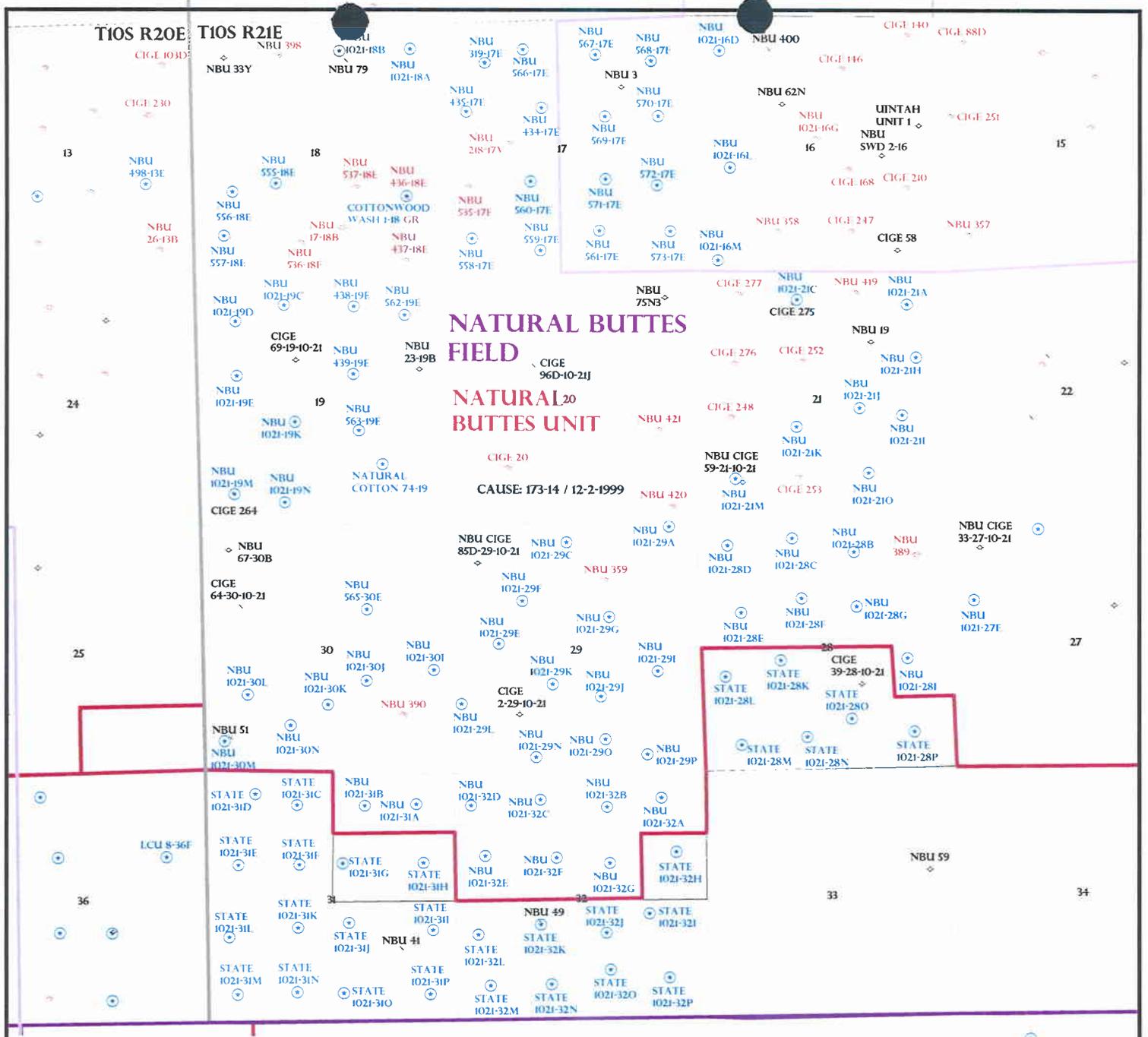
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 22013542 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (04-05-07)

STIPULATIONS: 1- Spacing Slip  
2- STATEMENT OF BASIS  
3- OIL SHALE  
4- Surface Csg Cont Slip



OPERATOR: KERR MCGEE O&G (N9550)  
 SEC: 28,31,32 T.10S R. 21E  
 FIELD: NATURAL BUTTES (630)  
 COUNTY: UINTAH  
 SPACING: R649-3-2 / GENERAL SITING

Field Status	Unit Status
ABANDONED	EXPLORATORY
ACTIVE	GAS STORAGE
COMBINED	NF PP OIL
INACTIVE	NF SECONDARY
PROPOSED	PENDING
STORAGE	PI OIL
TERMINATED	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

**Wells Status**

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



PREPARED BY: DIANA MASON  
 DATE: 23-MARCH-2007

# Application for Permit to Drill

## Statement of Basis

4/17/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
298	43-047-39098-00-00		GW	S	No
<b>Operator</b>	KERR-MCGEE OIL & GAS ONSHORE, LP		<b>Surface Owner-APD</b>		
<b>Well Name</b>	STATE 1021-28M		<b>Unit</b>		
<b>Field</b>	UNDESIGNATED		<b>Type of Work</b>		
<b>Location</b>	SWSW 28 10S 21E S 461 FSL 785 FWL GPS Coord (UTM) 622871E 4418835N				

### Geologic Statement of Basis

Kerr McGee proposes to set 1,800' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,700'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 28. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill  
APD Evaluator

4/17/2007  
Date / Time

### Surface Statement of Basis

The general area is within the Natural Buttes in the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 11 miles to the White River. No seeps, springs or streams exist in the area. An occasional pond collecting runoff for livestock and antelope occurs.

This location is approximately 19 miles southeast of Ouray, Utah and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within 0.1 miles of the proposed site.

The proposed location is on a somewhat flat point of a ridge that drops off steeply into Cottonwood Wash to the southwest. The ridge also drops off steeply to the southeast into a deep side-draw. The location extends to the rim of this drop-off. A swale intersects the north end of the location and will be diverted around this end. The main stem of Cottonwood Wash is about 0.1 mile to the west.

Both the surface and minerals are owned by SITLA. Jim Davis represented SITLA at the pre-site investigation. Mr. Davis had no concerns pertaining to this location. The selected location appears to be the best site for drilling and operating a well in the immediate area.

Floyd Bartlett  
Onsite Evaluator

4/5/2007  
Date / Time

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP  
Well Name STATE 1021-28M  
API Number 43-047-39098-0 APD No 298 Field/Unit UNDESIGNATED  
Location: 1/4,1/4 SWSW Sec 28 Tw 10S Rng 21E 461 FSL 785 FWL  
GPS Coord (UTM) 622874 4418836 Surface Owner

### Participants

Floyd Bartlett (DOGGM), Jim Davis (SITLA), Carroll Estes and Tony Keznic (Kerr McGee) and David Kay (Uintah Engineering and Land Surveying)

### Regional/Local Setting & Topography

The general area is within the Natural Buttes in the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimmed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 11 miles to the White River. No seeps, springs or streams exist in the area. An occasional pond collecting runoff for livestock and antelope occurs.

This location is approximately 19 miles southeast of Ouray, Utah and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within 0.1 miles of the proposed site.

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Both the surface and minerals are owned by SITLA.

### Surface Use Plan

#### Current Surface Use

Grazing  
Recreational  
Wildlfe Habitat

#### New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.1	Width 278 Length 350	Onsite	UNTA

Ancillary Facilities N

### Waste Management Plan Adequate? Y

### Environmental Parameters

Affected Floodplains and/or Wetland N

#### Flora / Fauna

Vegetation is a sparse desert shrub type. Big sagebrush, horsebrush, curly mesquite, bud sage, halogeton, prickly pear, lomatium, Gardner saltbrush, globe mallow and spring annuals are present.

Antelope, cattle, rabbits, coyotes, and small mammals, birds and raptors.

**Soil Type and Characteristics**

Shallow rocky sandy loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** Y

Around the north end of the location.

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** Y    **Paleo Potential Observed?** N    **Cultural Survey Run?** N    **Cultural Resources?**

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	<10	0
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0

**Final Score** 25    1    **Sensitivity Level**

**Characteristics / Requirements**

The proposed reserve pit is 70' x 150' x 10' deep located in a cut on the northeast corner of the location. A 20 mil liner with a felt sub-liner is planned by Kerr McGee.

With the proximity to the bottom of an active drainage, care must be taken to insure the reserve pit is adequately lined and maintained.

**Closed Loop Mud Required?** N    **Liner Required?** Y    **Liner Thickness** 20    **Pit Underlayment Required?** Y

**Other Observations / Comments**

Ben Williams representing the UDWR was not at the pre-site but stated the previous day that all the remaining locations in the area were classified as yearlong critical habitat for antelope. He stated that the lack of water not forage is the limiting factor affecting the herd in the area. He recommended no restrictions for antelope. No other wildlife is expected to be significantly affected. He gave Jim Davis of SITLA and Carroll Estes of Kerr McGee a copy of his wildlife evaluation and a UDWR recommended seed mix to be used when re-vegetating the locations.

ATV's were used to access the site.

Floyd Bartlett  
Evaluator

4/5/2007  
Date / Time

Casing Schematic

Surface

12' 18'

BHP  $0.052(9150)11.3 = 5377 \text{ psi}$   
anticipate 5673 psi

Gas  $0.12(9150) = 1098$   
 $5377 - 1098 = 4279 \text{ psi, MASF}$

9-5/8"  
MW 8.3  
Frac 19.3

BOPE 5M ✓

Burst 2270  
70% 1589 psi

Max P @ surf shoe  
 $0.22(7350) = 1617$   
 $5377 - 1617 = 3760 \text{ psi}$   
1800 psi = max allowed pressure @ shoe ✓

test to 1589 psi ✓

Strip surf. cont. ✓

✓ Adequate PWD 4/30/07

4-1/2"  
MW 11.3

TOC @ 0.

Uinta

TOC @ 441. to surf w/ 97% w/o  
\* Surt. Step ✓

991' GR  
1248' Birds Nest Water

1785' Mahogany  
Surface  
1800. MD

4170' Wasatch

4700' ± BMSW

6989' Mesaverde

7978' MV U2

8501' MV L1

Production  
9150. MD

Well name:	<b>2007-04 Kerr McGee State 1021-28M</b>	
Operator:	<b>Kerr McGee Oil &amp; Gas Onshore L.P.</b>	
String type:	Surface	Project ID: 43-047-39098
Location:	Uintah County, Utah	

**Design parameters:**

**Collapse**

Mud weight: 8.300 ppg  
Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,584 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP: 1,800 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 1,580 ft

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 100 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,400 ft

Cement top: 441 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 9,150 ft  
Next mud weight: 11.300 ppg  
Next setting BHP: 5,371 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,800 ft  
Injection pressure: 1,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1800	9.625	32.30	H-40	ST&C	1800	1800	8.876	795.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	776	1370	1.765	1800	2270	1.26	51	254	4.98 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: (801) 538-5357  
FAX: (801) 359-3940

Date: April 24, 2007  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1800 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>2007-04 Kerr McGee State 1021-28M</b>	
Operator:	<b>Kerr McGee Oil &amp; Gas Onshore L.P.</b>	
String type:	Production	Project ID: 43-047-39098
Location:	Uintah County, Utah	

**Design parameters:**

**Collapse**

Mud weight: 11.300 ppg  
Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 3,358 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP: 5,371 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 7,604 ft

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 203 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: Surface

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9150	4.5	11.60	I-80	LT&C	9150	9150	3.875	798.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5371	6360	1.184	5371	7780	1.45	88	212	2.40 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: (801) 538-5357  
FAX: (801) 359-3940

Date: April 24, 2007  
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9150 ft, a mud weight of 11.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-21329</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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>		8. WELL NAME and NUMBER: <b>STATE 1021-28M</b>
3. ADDRESS OF OPERATOR: <b>1368 SOUTH 1200 EAST VERNAL UT 84078</b>		9. API NUMBER: <b>43-047-39098</b>
		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>461' FSL 785' FWL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 28 10S 21E</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<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 checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> 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 type="checkbox"/> OTHER: _____
	<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.

An onsite was conducted on 4/5/07 with the Division of Oil, Gas and Mining Representative and SITLA Representative. It was decided to change the proposed pipeline from a 4" pipeline that was approximately 650' +/- to, two 4" pipelines approximately 16,150' +/-, and 4,200' +/-, and an 8" pipeline approximately 11,950' +/- . These pipelines also cross onto Federal lands in Sec 27 and tie into a point in Sec 22 of T10S-R21E.

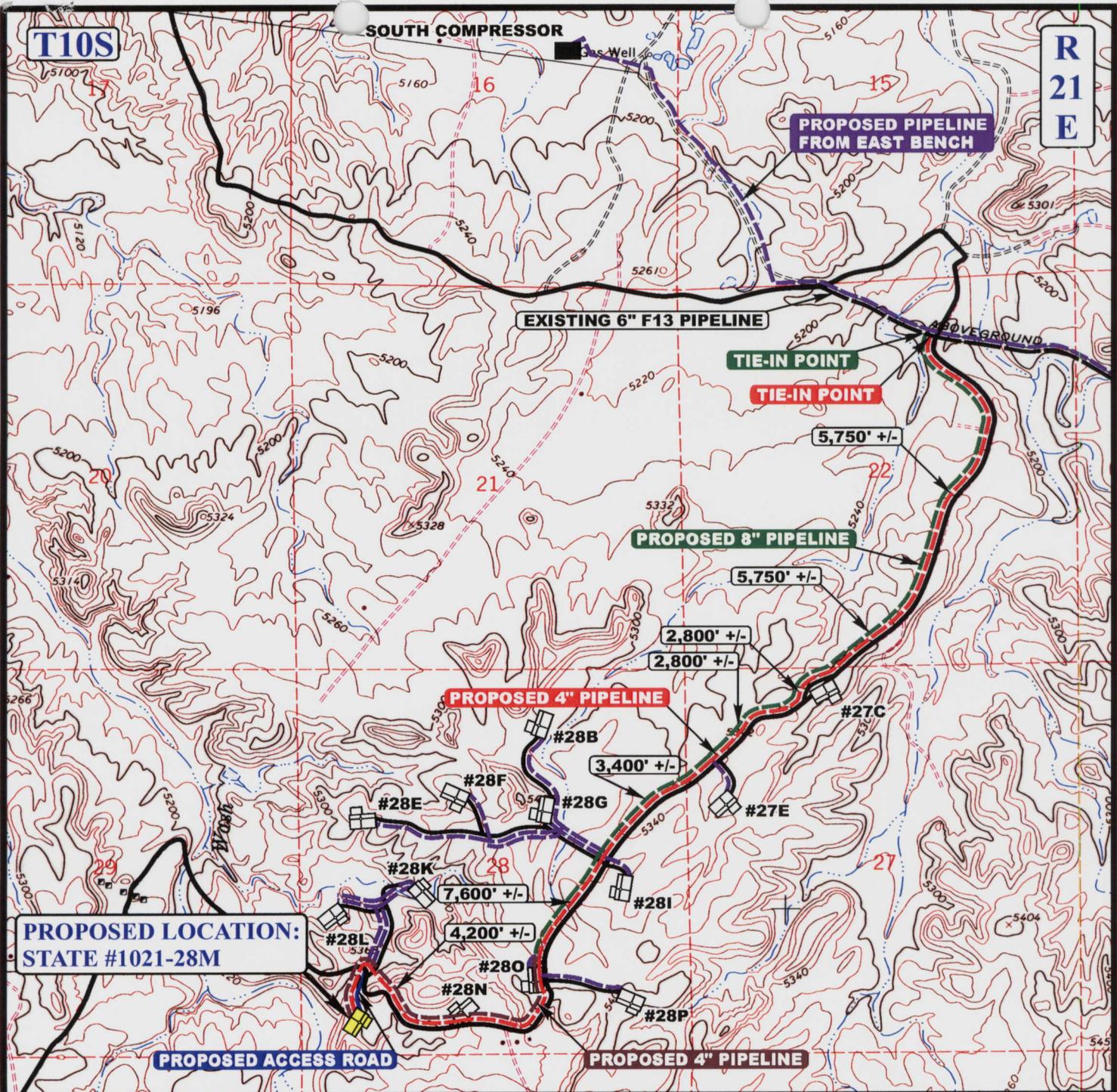
Please refer to the attached Topo D.

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

NAME (PLEASE PRINT) <u>Ramey Hoopes</u>	TITLE <u>Land Specialist I</u>
SIGNATURE <u>Ramey Hoopes</u>	DATE <u>4/18/2007</u>

(This space for State use only)

**RECEIVED**  
**APR 23 2007**



APPROXIMATE TOTAL 8" PIPELINE DISTANCE = 11,950' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 4,200' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 16,150' +/-

**LEGEND:**

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

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

STATE #1021-28M  
 SECTION 28, T10S, R21E, S.L.B.&M.  
 461' FSL 785' FWL

N



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

**TOPOGRAPHIC**  
**MAP**

**01 04 07**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 04-11-07



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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-21329</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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>STATE 1021-28M</b>	
2. NAME OF OPERATOR: <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>		9. API NUMBER: <b>43-047-39078</b>
3. ADDRESS OF OPERATOR: <b>1368 SOUTH 1200 EAST VERNAL UT 84078</b>	PHONE NUMBER: <b>(435) 781-7003</b>	10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>461' FSL 785' FWL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 28 10S 21E</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
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	<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 type="checkbox"/> OTHER: _____
	<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.

An onsite was conducted on 4/5/07 with the Division of Oil, Gas and Mining Representative and SITLA Representative. It was decided to change the proposed pipeline from two 4" pipelines approximately 16,150' +/-, and 4,200' +/-, and an 8" pipeline approximately 11,950' +/- to two 4" pipelines approximately 4,200' +/- and 550' +/- and an 8" pipeline approximately 3,650' +/-.

Please refer to the attached Topo D.

Please replace the sundry filed on 4/18/07 with this sundry dated 5/8/07.

**RECEIVED**  
**MAY 29 2007**

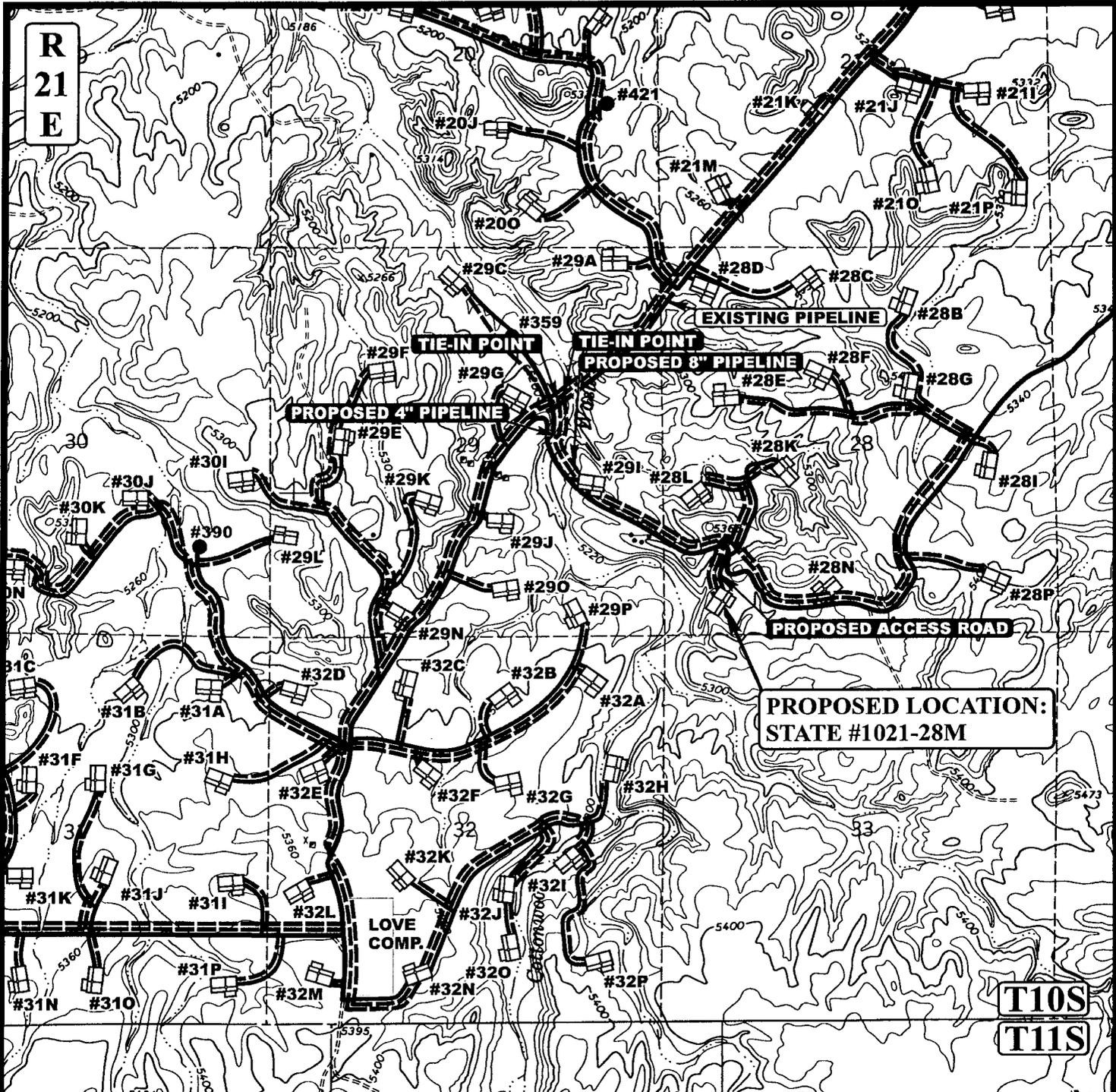
**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) <u>Ramey Hoopes</u>	TITLE <u>Land Specialist I</u>
SIGNATURE <u><i>Ramey Hoopes</i></u>	DATE <u>5/8/2007</u>

(This space for State use only)

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

R  
21  
E



PROPOSED LOCATION:  
STATE #1021-28M

T10S  
T11S

APPROXIMATE TOTAL 8" PIPELINE DISTANCE = 3,650' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 550' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 4,200' +/-

**LEGEND:**

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



Kerr-McGee Oil & Gas Onshore LP

STATE #1021-28M

SECTION 28, T10S, R21E, S.L.B.&M.

461' FSL 785' FWL



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

TOPOGRAPHIC MAP 01 04 07  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 04-27-07



**From:** Ed Bonner  
**To:** Mason, Diana  
**Date:** 6/27/2007 11:46 AM  
**Subject:** Well Clearance

**CC:** Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

Dominion Exploration & Production, Inc  
KC 16-32E (API 43 047 39219)  
KC 14-32E (API 43 047 39218)

EOG Resources, Inc  
Chapita Wells Unit 697-32 (API 43 047 39197)  
Chapita Wells Unit 698-32 (API 43 047 39216)  
Chapita Wells Unit 699-32 (API 43 047 39199)

Kerr McGee Oil & Gas Onshore LP  
Love 1121-16C (API 43 047 39143)  
Love 1121-16E (API 43 047 39144)  
Love 1121-16G (API 43 047 39145)  
Love 1121-16I (API 43 047 39146)  
Love 1121-16K (API 43 047 39147)  
Love 1121-16M (API 43 047 39148)  
Love 1121-16O (API 43 047 39149)  
State 1021-28P (API 43 047 39096)  
State 1021-28N (API 43 047 39097)  
State 1021-28M (API 43 047 39098)  
State 1021-28L (API 43 047 39099)  
NBU 1021-28F (API 43 047 39100)  
NBU 1021-28E (API 43 047 39101)  
NBU 1021-28D (API 43 047 39102)  
NBU 1021-28C (API 43 047 39103)  
NBU 1021-28B (API 43 047 39104)  
NBU 1021-28K (API 43 047 39105)  
NBU 1021-28I (API 43 047 39106)  
NBU 1022-24B (API 43 047 39389)

If you have any questions regarding this matter please give me a call.



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 28, 2007

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

Re: State 1021-28M Well, 461' FSL, 785' FWL, SW SW, Sec. 28, T. 10 South, R. 21 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39098.

Sincerely,

Gil Hunt  
Associate Director

er  
Enclosures

cc: Uintah County Assessor  
SITLA



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

**Well Name & Number** State 1021-28M

**API Number:** 43-047-39098

**Lease:** ML 21329

**Location:** SW SW      **Sec.** 28      **T.** 10 South      **R.** 21 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

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at:           (801) 538-5338 office           (801) 942-0873 home
- Carol Daniels at:       (801) 538-5284 office
- Dustin Doucet at:       (801) 538-5281 office           (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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
8. Surface casing shall be cemented to the surface.

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: STATE 1021-28M

Api No: 43-047-39098 Lease Type: STATE

Section 28 Township 10S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

### SPUDDED:

Date 11/11/07

Time 8:00 AM

How DRY

**Drilling will Commnce:** \_\_\_\_\_

Reported by SHEILA UPCHEGO

Telephone # (435) 781-7024

Date 11/13/07 Signed CHD

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

FORM 6

**ENTITY ACTION FORM**

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

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739098	STATE 1021-28M		SWSW	28	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>A</i>	99999	<i>16499</i>	11/11/2007		<i>11/26/07</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/11/2007 AT 0800 HRS							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737969	NBU 1021-25C		NENW	25	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	11/10/2007		<i>11/26/07</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/10/2007 AT 0800 HRS.							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738228	BONANZA 1023-10C		NENW	10	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>A</i>	99999	<i>16500</i>	11/9/2007		<i>11/26/07</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 11/09/2007 AT 0800 HRS							

**ACTION CODES:**

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

SHEILA UPCHEGO

Name (Please Print)

*Sheila Upchego*

Signature

SENIOR LAND SPECIALIST

11/12/2007

Title

Date

**RECEIVED**

**NOV 13 2007**

(5/2000)

*11/12/07 emailed to Lisa Russell Adams* DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-21329**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:  
**STATE 1021-28M**

2. NAME OF OPERATOR:  
**KERR MCGEE OIL & GAS ONSHORE LP**

9. API NUMBER:  
**4304739098**

3. ADDRESS OF OPERATOR:  
1368 SOUTH 1200 EAST CITY **VERNAL** STATE **UT** ZIP **84078**

PHONE NUMBER:  
**(435) 781-7024**

10. FIELD AND POOL, OR WILDCAT:  
**NATURAL BUTTES**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **461'FSL, 785'FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SWSW 28 10S 21E**

STATE: **UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<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 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 checked="" 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><b>WELL SPUD</b></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.

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

SPUD WELL LOCATION ON 11/11/2007 AT 0800 HRS.

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **REGULATORY ANALYST**

SIGNATURE 

DATE **11/12/2007**

(This space for State use only)

**RECEIVED**

**NOV 20 2007**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-21329**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:  
**STATE 1021-28M**

2. NAME OF OPERATOR:  
**KERR MCGEE OIL & GAS ONSHORE LP**

9. API NUMBER:  
**4304739098**

3. ADDRESS OF OPERATOR:  
1368 SOUTH 1200 EAST CITY **VERNAL** STATE **UT** ZIP **84078**

PHONE NUMBER:  
**(435) 781-7024**

10. FIELD AND POOL, OR WILDCAT:  
**NATURAL BUTTES**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **461'FSL, 785'FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SWSW 28 10S 21E**

STATE:  
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	<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: <b>SET SURFACE CSG</b>
	<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.

MIRU BILL MARTIN AIR RIG ON 11/15/2007. DRILLED 12 1/4" SURFACE HOLE TO 2050'. RAN 9 5/8" 45 JTS OF 32.3# H-40 AND 2 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/180 SX HIFILL CLASS G @11# 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPF 1.15 YIELD. GOOD RETURNS THROUGH OUT JON 17 +/- BBLS LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/65 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **REGULATORY ANALYST**

SIGNATURE 

DATE **11/26/2007**

(This space for State use only)

**RECEIVED**

**DEC 03 2007**

DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-21329</b>
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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>STATE 1021-28M</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		9. API NUMBER: <b>4304739098</b>
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>461'FSL, 785'FWL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 28 10S 21E</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<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 type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>FINAL DRILLING OPERATIONS</b>
	<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.

**FINISHED DRILLING FROM 2050' TO 9155' ON 12/31/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/350 SX PREM LITE II @11.3 PPG 3.01 YIELD. TAILED CMT W/1254 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/141 BBLs WATER BUMP PLUG FLOATS HELD. LAND HANGER N/D TEST HEAD CLEAN PITS.**

**RELEASED ENSIGN RIG 83 ON 01/02/2008 AT 12:00 PM.**

**RECEIVED**  
**JAN 08 2008**  
**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE <u></u>	DATE <u>1/3/2008</u>

(This space for State use only)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-21329</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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		8. WELL NAME and NUMBER: <b>STATE 1021-28M</b>
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		9. API NUMBER: <b>4304739098</b>
PHONE NUMBER: <b>(435) 781-7024</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>461'FSL, 785'FWL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 28 10S 21E</b>		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<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 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 checked="" 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: <b>PRODUCTION START-UP</b>
	<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.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 02/25/2008 AT 11:45 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE	DATE <u>2/28/2008</u>

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**MAR 03 2008**



Anadarko Petroleum Corporation  
 1368 South 1200 East  
 Vernal, UT 84078

## CHRONOLOGICAL WELL HISTORY

### STATE 1021-28M

LOCATION SWSW, SEC.28, T10S, R21E  
 UINTAH COUNTY, UT

DATE	ACTIVITY	ENSIGN 83	STATUS
10/19/07	LOCATION STARTED	ENSIGN 83	
11/08/07	LOCATION COMPLETED	ENSIGN 83	P/L IN, WOBR
11/11/07	SET CONDUCTOR	ENSIGN 83	WOAR
11/17/07	SET AIR RIG	ENSIGN 83	DRILL
11/21/07	9-5/8" @ 2021'	ENSIGN 83	WORT
12/20/07	TD: 2067' Csg. 9 5/8" @ 2021' MW: 8.4 Move rig f/ State 1021-32P. RURT @ report time.		SD: 12/XX/07 DSS: 0
12/21/07	TD: 2067' Csg. 9 5/8" @ 2021' MW: 8.4 Raise derrick. RURT @ report time.		SD: 12/XX/07 DSS: 0
12/24/07	TD: 4037' Csg. 9 5/8" @ 2021' MW: 9.0 RURT. NU and test BOPE. PUDS and drill cmt and FE. Rotary spud @ 1130 on 12/22/07. Drill f/ 2067'-4037'. DA @ report time.		SD: 12/22/07 DSS: 2
12/26/07	TD: 6255' Csg. 9 5/8" @ 2021' MW: 9.9 Drill f/ 4037'-6255'. DA @ report time.		SD: 12/22/07 DSS: 4
12/27/07	TD: 6655' Csg. 9 5/8" @ 2021' MW: 10.2 Drill f/ 6255'-6403'. TFNB. Drill to 6655'. DA @ report time.		SD: 12/22/07 DSS: 5
12/28/07	TD: 7555' Csg. 9 5/8" @ 2021' MW: 10.8 Drill f/ 6655'-7555'. DA @ report time.		SD: 12/22/07 DSS: 6
12/31/07	TD: 8992' Csg. 9 5/8" @ 2021' MW: 11.8 Drill f/ 7555'-8503'. TFNB. Drill to 8992'. DA @ report time.		SD: 12/22/07 DSS: 9
01/02/08	TD: 9155' Csg. 9 5/8" @ 2021' MW: 11.8 Drill f/ 8992'-9155'. CCH and short trip. TOOH and run logs to TD. TIH, CCH, and LDDS. RU and run 4.5" prod csg. CCH and prep to cement @ report time.		SD: 12/22/07 DSS: 11
01/03/08	TD: 9155' Csg. 9 5/8" @ 2021' MW: 11.8 Cement production casing. Land casing and release rig 1200 hrs 1/2/08. RDRT. Will move to upper White River pad this am.		SD: 12/22/07 DOL/DSS:16/12
02/14/08	MIRU		

SUMMARY				
MIRU, SPOT EQUIP				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-10:00	3.00	46 P	C	WAIT ON GRADER TO BLADE ROAD INTO LOC.
10:00-13:00	3.00	47 P	A	PULL RIG W/ GRADER FROM STATE 1021-32P TO STATE 1021-28M, MIRU.
13:00-17:30	4.50		C	P/U 3-7/8 MILL W/ X-OVER, TALLEY & P/U 178 JNTS 2-3/8 J-55 TBG, POOH W/ 4 JNTS, DRAIN UP FOR NIGHT.

**02/15/08  
PSI TEST**

SUMMARY				
PRESSURE TEST CSG				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00- 7:30	0.50	46 P		HSM, PINCH POINTS
7:30- 5:00		33 P		POOH W/ TBG, N/D SCPS, N/U FRAC VALVES, MIRU B&C QUICK TEST, PRESSURE TEST FRAC VALVES & CAG TO 7500#. [GOOD TEST] SWIFN. PREP FOR FRAC MON.

**02/18/08  
FRAC**

SUMMARY				
FRAC				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-11:25	4.42	46 Z	E	WAIT ON WEATHERFORD DENSOMETERS
11:25-13:30	2.08	36 P		STG #1] OPEN WELL UP @ 11:25. WHP=0#, BRK DN PERFS @ 4088#. INJT PSI=4350#, INJT RT=39.4, ISIP=3040#, FG=.78, PUMP'D 549.7 BBLS SLK/WTR W/ 11837# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3045#, FG=.79, AR=39, AP=4599#, MR=48, MP=6540#, NPI=5#, 32/44 PERFS OPEN 88%.
13:30-15:00	1.50	36 P		STG #2 P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 8868' PERF MESAVERDE USING 3-3/8 EXPEND GUN, 23 GRM, 0.38" HOLE, 8838'-8838' 4 SPF, 90" PH, 8 HOLES, 8565'-8568' 4 SPF, 90" PH, 12 HOLES, 8517'-8522 3 SPF, 120" PH, 15 HOLES, 8458'-8488' 3 SPF, 120" PH, 9 HOLES [44HOLES] WHP=0#, BRK DN PERFS @ 5568#. DENSOMETERS QUIT WORKING SHUT DN FOR NIGHT. SWIFN.

02/19/08  
FRAC

SUMMARY				
FRAC				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-8:30	1.50	36 P	E	WAIT ON WEATHERFORD TO CALIBRATE NEW DENSOMETERS & HSM.
8:30-12:00	3.50	36 P	E	STG #2] OPEN WELL. WHF=2185# FRAC MESAVERDE 8638'-8638', 8667'-8668, 8517'-8522', 8485'-8488', BROKE DN PERFS DAY BEFORE @ 5568#. WENT STRAIGHT INTO PAD. [ISIP=3347#, FG=.63] WHF=2185#, PUMP'D 3022 BBLs SLK/WTR W/ 85577# 30/50/MESH SCREENED OFF W/ 23815# SAND LEFT. FLOWED WELL BACK FOR 15 MIN TRIED TO REFLUSH & LOCKED UP AGAIN. FLOWED WELL FOR 20 MIN & REFLUSHED W/ 135.4 BBLs. ISIP=2760#, FG=.78. AR=49.6, AP=5235, MR=51.5, MP=7789#, NPI=391#, 24/44 PERFS OPEN
12:00-13:00	1.00	36 P	E	STG #3] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 8371', PERF MESAVERDE USING 3-3/8 EXPEND 23 GRM, 0.36" HOLE, 8339'-8341' 4 SPF, 90° PH, 8 HOLES, 8322'-8330' 4 SPF, 90° PH, 32 HOLES [40 HOLES] WHF=0#, BRK DN PERFS @ 5188#, INJT PSI=5682#, INJT RT=35, ISIP=3042#, FG=.80, PUMP'D 841 BBLs SLK/WTR W/ 22965# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2760#, FG=.77, AR=, AP=, MR=, MP=, NPI=232# 24 40 PERFS OPEN 60%.
13:00-14:00	1.00	36 P	E	STG #4] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 7948', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 7918'-7918' 4 SPF, 90° PH, 8 HOLES, 7901'-7904' 3 SPF, 120° PH, 9 HOLES, 7884'-7893' 3 SPF, 27 HOLES [44 HOLES] WHF=0#, BRK DN PERFS @ 3092#, INJT PSI=4703#, INJT RT=50, ISIP=2175#, FG=.71, PUMP'D 784.5 BBLs SLK/WTR W/ 24831# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2884#, FG=.80, AR=51, AP=4668#, MR=53, MP=5631# NPI=706# 39/44 PERFS OPEN.
14:00-15:20	1.33	36 P	E	STG #5] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 7628', PERF MESAVERDE USING 3-3/8 EXPEND 23GRM, 0.36" HOLE, 7590'-7598' 4 SPF, 90° PH, 32 HOLES, 7558'-7560' 4 SPF, 90° PH, 8 HOLES [40 HOLES] whp=0# BRK DN PERFS @ 5489#, INJT PSI=4923#, INJT RT=50, ISIP=2995, FG=.82, PUMP'D 1302.3 BBLs SLK/WTR W/ 47024# 30/50 MESH W/ 5000# RSIN COAT IN TAIL, ISIP=3037#, FG=.84, AR=51, AP=4980#, MR=52, MP=8604, NPI=142# 32/40 PERFS OPEN.
15:20-19:00	3.87	36 P	E	STG #6] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 7428', PERF MESAVERDE USING 3-3/8 EXPEND 23GRM, 0.36" HOLE 7418'-7428' 4 SPF, 90° PH, 32 HOLES, 7398'-7400' 3 SPF, 120° PH, 12 HOLES [44 HOLES] WHF=0#, BRK DN PERFS @ 6395#, INJT PSI=4011, INJT RT=40, ISIP=2526#, FG=.78, PUMP'D 1531 BBLs SLK/WTR W/ 55750# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2715#, FG=.80, AR=41, AP=3688#, MR=43, 4087#, NPI=186#, 44/44 PERFS OPEN PERF STG #7] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP & 7277', PERF MESAVERDE USING 3-3/8 EXPEND 23 GRM, 0.36" HOLE, 7237'-7247' 3 SPF, 120° PH, 30 HOLES, 7202'-7205 4 SPF, 90° PH, 12 HOLES [42 HOLES] DRAINED EQUIP SWIFN.

02/20/08  
FRAC

SUMMARY				
FINISH LAST 2 FRACS				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-10:00	3.00	46 Z	E	WEATHERFORD RAN OUT OF FUEL.
10:00-10:45	0.75	36 P	E	STG #7] FRAC MESAVERDE, 7237'-7247', 7202'-7205. WHF=0#, BRK DN PERFS @ 3182#, INJT PSI=4549#, INJT RT=50, ISIP=2147#, FG=.74 PUMP'D 1265.1 BBLs SLK/WTR W/ 43685# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=2849#, FG=.83, AR=50, AP=4219#, MR=51, MP=5411#, NPI=702#, 30/42 PERFS OPEN.
10:45-13:00	2.25	36 P	E	STG #8] P/U RIH W/ BKR 8K CBP & PERF GUN. SET CBP @ 7098'. PERF MESAVERDE USING 3-3/8 EXPEND 23 GRM, 0.36" HOLE, 7058'-7068' 3 SPF, 120° PH, 30 HOLES, 7048'-7050' 3 SPF, 120° PH, 12 HOLES [42 HOLES] WHF=0#, BRK DN PERFS @ 6781#, INJT PSI=5244#, INJT RT=50, ISIP=2531#, FG=.80, PUMP'D 1157.4 BBLs SLK/WTR W/ 41637# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3038#, FG=.87, AR=51, AP=4573#, MR=52, MP=5955, NPI=501#, 27/42 PERFS OPEN.
13:00-14:00	1.00	34 P	I	P/U RIH W/ BKR 8K CBP & SET @ 6998'. POOH R/D WIRE LINE & WEATHERFORD FRAC EQUIP.
14:00-15:00	1.00	44 P	C	N/D FRAC VALVES, N/A BOPS, R/U TBG EQUIP. P/U 3-7/8 BIT W/ POBS [WITHOUT PROFILE NIPPLE] RIH W/ 223 JTS 2-3/8 J-55 TBG, TAG PLUG #1 @ 6998', P/U PWR SWVL, EST CIRC.
15:00-19:00	4.00	44 P	C	PLUG #1] DRL THROUGH BKR 8K CBP @ 6998' IN 15 MIN. 1000# INCREASE. CONTINUE TO RIH.  PLUG #2] TAG SAND @ 7068' [30' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7068' IN 15 MIN..1000# INCREASE CONTINUE TO RIH.  PLUG #3] TAG SAND @ 7232' [45' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7277' IN 15 MIN. 1000# INCREASE. HANG PWR SWVL BACK POOH W/ 6 JNTS, DRAIN EQUIP, SWIFN.

**02/21/08  
DRILL PLUGS**

SUMMARY				
DRL PLUGS				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-7:15	0.25	48 P	C	HSM, REVIEW JSA ON DRLG PLUGS
7:15-9:30	1.25	44 P	C	OPEN WELL, 800# CSG. PLUG #4] RIH TAG @ 7408' P/U PWR SWVL, C/O 30' SAND & DRL THROUGH BKR 8K CBP @ 7438' IN 10 MIN. 400# INCREASE, CONTINUE TO RIH.
9:30-9:30	1.00	44 P	C	PLUG #5] TAG SAND @ 7594' [34' FILL] C/O & DRL THROUGH BKR 8K CBP @ 7628' IN 8 MIN. 200# INCREASE. CONTINUE TO RIH.
9:30-10:30	1.00	44 P	C	PLUG #6] TAG SAND @ 7920' [28' FILL] C/O @ DRL THROUGH BKR 8K CBP @ 7948' IN 10 MIN. 200# INCREASE. CONTINUE TO RIH.
10:30-11:30	1.00	44 P	C	PLUG #7] TAG SAND @ 8330' [41' FILL] C/O @ DRL THROUGH BKR 8K CBP @ 8371' IN 10 MIN. 200# INCREASE. CONTINUE TO RIH.
11:30-18:00	4.50	44 P	D	PLUG #8] TAG SAND @ 8540' 28' FILL] C/O @ DRL THROUGH BKR 8K CBP @ 8688' IN 10 MIN. 200# INCREASE. CONTINUE TO RIH. TAG SAND @ 8946' C/O TO PBTD @ 9110' CIRC HOLE, R/D PWR SWVL, L/D 72 JNTS ON FLOAT, P/U HANGER LUBRICATE HANGER IN WELL W/ 218 TOTAL JNTS EOT @ 8859.40'. DROP BALL, N/D BOPS, N/U WELL HEAD, PUMP OFF BIT W/ 4 BBLs @ 1800#, RDMO

**02/22/08 FLOWBACK REPORT: CP 1500#, TP 600#, CK 20/64", 32 BWPH, LOAD REC'D 939 BBLs, REMAINING LTR 6514 BBLs**

**02/23/08 FLOWBACK REPORT: CP 2150#, TP 750#, CK 20/64", 35 BWPH, LOAD REC'D 840 BBLs, REMAINING LTR 5674 BBLs**

**ON SALES: 0 MCF, 0 BC, 0 BW, TP: 600#, CP: 1500#, 20/64 CHK, 0 HRS, LP: 0#.**

**02/24/08 ON SALES: 6 MCF, 0 BC, 840 BW, TP: 750#, CP: 2150#, 20/64 CHK, 1 HRS, LP: 46#.**

**02/25/08 ON SALES: 9 MCF, 0 BC, 768 BW, TP: 850#, CP: 1850#, 20/64 CHK, 1 HRS, LP: 192#.**

**FLOWBACK REPORT: CP 1700#, TP 775#, CK 20/64", 24 BWPH, LOAD REC'D 613 BBLs, REMAINING LTR 4296 BBLs**

**WENT ON SALES: @ 11:45 AM, 1062 MCF, 850 TBG, 1900 CSG, 20/64 CK, 34 BBWH.**

**02/26/08 FLOWBACK REPORT: CP 1350#, TP 750#, CK 20/64", 20 BWPH, LOAD REC'D 428 BBLs, REMAINING LTR 3868 BBLs**

**ON SALES: 443 MCF, 0 BC, 552 BW, TP: 775#, CP: 1700#, 20/64 CHK, 15 HRS, LP: 238#.**

**02/27/08 ON SALES: 885 MCF, 0 BC, 480 BW, TP: 750#, CP: 1350#, 20/64 CHK, 15 HRS, LP: 226#.**

**02/28/08 ON SALES: 904 MCF, 0 BC, 480 BW, TP: 484#, CP: 1150#, 20/64 CHK, 20 HRS, LP: 236#.**

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-21329**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**STATE 1021-28M**

9. API NUMBER:  
**4304739098**

10. FIELD AND POOL, OR WILDCAT  
**NATURAL BUTTES**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SWSW 28 10S 21E**

12. COUNTY  
**UINTAH**

13. STATE  
**UTAH**

14. DATE SPUDDED: **11/11/2007**

15. DATE T.D. REACHED: **12/31/2007**

16. DATE COMPLETED: **2/25/2008**

ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**5303'GL**

18. TOTAL DEPTH: MD **9,155** TVD

19. PLUG BACK T.D.: MD **9,110** TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**CBL-CCL-GR, SD, DSN, ACTR**

23.  
WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	32.3# 36#		2,050		595			
7 7/8"	4 1/2 I-80	11.6#		9,155		1604			

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6,854							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	7,046	8,784			7,046 8,784	0.36	212	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**27. PERFORATION RECORD**

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7046'-8784'	PMP 8830 BBLs SLICK H2O & 279,597# 30/50 SD

**RECEIVED**  
**MAR 28 2008**

DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS       GEOLOGIC REPORT       DST REPORT       DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION       CORE ANALYSIS       OTHER: \_\_\_\_\_

30. WELL STATUS:  
**PROD**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 2/25/2008	TEST DATE: 2/29/2008	HOURS TESTED: 20	TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 948	WATER - BBL: 480	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 394	CSG. PRESS. 957	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,178 7,038	7,038			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST  
 SIGNATURE  DATE 3/25/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801  
 Phone: 801-538-5340  
 Fax: 801-359-3940

**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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-21329</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>461'FSL, 785'FWL</b>		8. WELL NAME and NUMBER: <b>STATE 1021-28M</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWSW 28 10S 21E</b>		9. API NUMBER: <b>4304739098</b>
COUNTY: <b>UINTAH</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
STATE: <b>UTAH</b>		

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

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

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

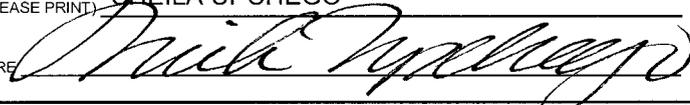
THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH FORMATION, AND COMMINGLE THE NEWLY WASATCH FORMATION ALONG WITH THE EXISTING MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

**COPY SENT TO OPERATOR**

Date: 8-27-2008

Initials: KS

NAME (PLEASE PRINT) <b>SHEILA UPCHEGO</b>	TITLE <b>REGULATORY ANALYST</b>
SIGNATURE 	DATE <b>8/22/2008</b>

(This space for State use only)

**REQUEST DENIED**  
Utah Division of  
Oil, Gas and Mining

Date: 8/26/08 (See Instructions on Reverse Side)

By:   
\* See 12649-3-22

**RECEIVED**  
**AUG 25 2008**  
DIV. OF OIL, GAS & MINING

**Name:** State 1021-28M  
**Location:** SWSW-Section 28-T10S-R21E  
**Uintah County, UT**  
**Date:** **08/19/08**

**ELEVATIONS:** 5303 GL 5320 KB

**TOTAL DEPTH:** 9155 **PBTD:** 9110  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2039'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 9155'  
 Marker Joint **4161-4182'**

**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:**

990' Green River  
 1598' Mahogany  
 4165' Wasatch  
 6970' Mesaverde

Estimated T.O.C. from CBL @3150' (ratty above)

**GENERAL:**

- A minimum of 7 tanks (cleaned lined 500 bbl) of fresh water will be required. Note: Use biocide in tanks and the water needs to be at least 65°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 12/31/07
- 5 fracturing stages required for coverage.
- Procedure calls for 6 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.
- 20/40 mesh Ottawa sand, **Gel frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump **resin coated sand** last 5,000# of all frac stages

- Tubing Currently Landed @~6860'
- Originally completed on 2/21/2008

**Existing Perforations:**

Zones	Perforations		SPF	Holes
	Top, ft	Bottom, ft		
MESAVERDE	8766	8773	4	28
MESAVERDE	8780	8784	4	16
MESAVERDE	8485	8488	3	9
MESAVERDE	8517	8522	3	15
MESAVERDE	8565	8568	4	12
MESAVERDE	8636	8638	4	8
MESAVERDE	8322	8330	4	32
MESAVERDE	8339	8341	4	8
MESAVERDE	7884	7893	3	27
MESAVERDE	7901	7904	3	9
MESAVERDE	7916	7918	4	8
MESAVERDE	7558	7560	4	8
MESAVERDE	7590	7598	4	32
MESAVERDE	7396	7400	3	12
MESAVERDE	7418	7426	4	32
MESAVERDE	7202	7205	4	12
MESAVERDE	7237	7247	3	30
MESAVERDE	7046	7050	3	12
MESAVERDE	7058	7068	3	30

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~6860'). Visually inspect for scale and consider replacing if needed. If the tubing is above the proposed CBP depth, RIH with tubing and tag for fill before TOO H.
3. If tbg looks ok consider running a gauge ring to 6972' (50' below proposed CBP). Otherwise P/U a mill and C/O to 6972' (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6922'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6838	6840	4	8
WASATCH	6888	6892	4	16
6. Breakdown perms and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6788' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~6646'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
------	------	----	-----	------------

WASATCH	6491	6493	4	8
WASATCH	6539	6540	4	4
WASATCH	6557	6558	4	4
WASATCH	6596	6597	4	4
WASATCH	6615	6616	4	4

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6449' and trickle 250gal 15%HCL w/ scale inhibitor in flush. TIGHT SPACING

9. Set 8000 psi CBP at ~6439'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6318	6320	4	8
WASATCH	6340	6341	4	4
WASATCH	6394	6395	4	4
WASATCH	6407	6409	4	8

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6268' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6066'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5875	5877	4	8
WASATCH	5920	5922	4	8
WASATCH	5977	5978	4	4
WASATCH	6015	6016	2	2
WASATCH	6035	6036	4	4

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5825' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~5154'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5110	5111	4	4
WASATCH	5122	5124	4	8

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5060' and flush with linear gel or freshwater only.

15. Set 8000 psi CBP at ~5060'.

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

17. Drill plugs and clean out to 9110'. Pump off sub and land tubing at ±8455' unless indicated otherwise by the well's behavior. This well will be commingled at this time.

18. RDMO

**For design questions, please call  
David Cocciolone, Denver, CO  
(832)-453-2043 (Cell)  
(720)-929-6716 (Office)**

**For field implementation questions, please call  
Robert Miller, Vernal, UT  
(435)-781-7041 (Office)**

NOTES:

Gel pumped at varying rates between stages to avoid water. Post review should look at WGR.

**Name** State 1021-28M  
**Perforation and CBP Summary**

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	6838	6840	4	8	6769	to	6810
	WASATCH	6888	6892	4	16	6819	to	6900
	# of Perfs/stage				24	CBP DEPTH	6,646	
2	WASATCH	6491	6493	4	8	6444	to	6472
	WASATCH	6539	6540	4	4	6491	to	6552
	WASATCH	6557	6558	4	4	6595	to	6642
	WASATCH	6596	6597	4	4			
	WASATCH	6615	6616	4	4			
	# of Perfs/stage				24	CBP DEPTH	6,439	
3	WASATCH	6318	6320	4	8	6279	to	6372
	WASATCH	6340	6341	4	4	6393	to	6411
	WASATCH	6394	6395	4	4			
	WASATCH	6407	6409	4	8			
	# of Perfs/stage				24	CBP DEPTH	6,066	
4	WASATCH	5875	5877	4	8	5873	to	5982
	WASATCH	5920	5922	4	8	6032	to	6090
	WASATCH	5977	5978	4	4			
	WASATCH	6015	6016	2	2			
	WASATCH	6035	6036	4	4			
	# of Perfs/stage				26	CBP DEPTH	5,154	
5	WASATCH	5110	5111	4	4	5100	to	5124
	WASATCH	5122	5124	4	8			
	# of Perfs/stage				12	CBP DEPTH	5,060	
Totals				110				

Fracturing Schedules  
 State 1021-28M  
 Gel Frac

Stage	Zone	Feet		Perfs		SPF	Holes	Rate BPM	Fluid Type	Prop	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.		
		of Pay	Top, ft	Bot, ft	Top, ft																			Bot, ft	
1	WASATCH	41	6838	6840	4	8	Varied	Pump-in test					Freshwater		0	0	0						86		
		81	6888	6892	4	16	0	ISIP and 5 min ISIP					Freshwater	6,000	6,000	143	143	20.7%	0.0%	0	0		18		
								14	20#					Freshwater	8,000	14,000	190	333	27.6%	16.0%	8,000	8,000		24	
								14	20# X-link	20/40	1	1		Freshwater	6,000	20,000	143	476	20.7%	24.0%	12,000	20,000		18	
								14	20# X-link	20/40	2	2		Freshwater	6,000	26,000	143	619	20.7%	36.0%	18,000	38,000		0	
								14	20# X-link	20/40	3	3		Freshwater	3,000	29,000	71	690	10.3%	24.0%	12,000	50,000		0	
								14	Flush (4-1/2")		4	4		Freshwater	6,628	35,628	158	848				50,000		86	
									ISDP and 5 min ISDP															193	
								122	# of Perfs/stage	24									Flush depth	6788	gal/ft	410	lbs sand/ft	142	
										60.6	<< Above pump time (min)														
		2	WASATCH	28	6491	6493	4	8	Varied	Pump-in test					Freshwater		0	0	0						9
				61	6539	6540	4	4	0	ISIP and 5 min ISIP					Freshwater	3,000	3,000	71	71	20.7%	0.0%	0	0		12
47	6557			6559	4	4	20	20#					Freshwater	4,000	7,000	95	167	27.6%	16.0%	4,000	4,000		9		
	6556			6557	4	4	20	20# X-link	20/40	1	1		Freshwater	3,000	10,000	71	238	20.7%	24.0%	6,000	10,000		0		
	6615			6616	4	4	20	20# X-link	20/40	2	2		Freshwater	1,500	14,500	36	345	10.3%	24.0%	6,000	25,000		0		
								20	20# X-link	20/40	3	3		Freshwater	6,297	20,797	150	495				25,000		63	
								20	Flush (4-1/2")		4	4		Freshwater										93	
									ISDP and 5 min ISDP																
								136	# of Perfs/stage	24									Flush depth	6449	gal/ft	184	lbs sand/ft	10	
										24.9	<< Above pump time (min)														
																								LOOK	
3	WASATCH			53	6318	6320	4	8	Varied	Pump-in test					Freshwater		0	0	0						11
		18	6340	6341	4	4	0	ISIP and 5 min ISIP					Freshwater	3,600	3,600	86	86	20.7%	0.0%	0	0		14		
			6394	6395	4	4	20	20#					Freshwater	4,800	8,400	114	200	27.6%	16.0%	4,800	4,800		11		
			6407	6408	4	4	20	20# X-link	20/40	1	1		Freshwater	3,600	12,000	86	286	20.7%	24.0%	7,200	12,000		0		
								20	20# X-link	20/40	2	2		Freshwater	3,600	15,600	86	371	20.7%	36.0%	10,800	22,800		0	
								20	20# X-link	20/40	3	3		Freshwater	1,800	17,400	43	414	10.3%	24.0%	7,200	30,000		0	
								20	Flush (4-1/2")		4	4		Freshwater	6,120	23,520	146	560				30,000		61	
									ISDP and 5 min ISDP															97	
								111	# of Perfs/stage	24									Flush depth	6268	gal/ft	270	lbs sand/ft	202	
										28.0	<< Above pump time (min)														
																								LOOK	
		4	WASATCH	109	5875	5877	4	8	Varied	Pump-in test					Freshwater		0	0	0						11
58	5920			5922	4	8	0	ISIP and 5 min ISIP					Freshwater	3,600	3,600	86	86	20.7%	0.0%	0	0		14		
	5977			5978	4	4	14	20#					Freshwater	4,800	8,400	114	200	27.6%	16.0%	4,800	4,800		11		
	6015			6016	2	2	14	20# X-link	20/40	1	1		Freshwater	3,600	12,000	86	286	20.7%	24.0%	7,200	12,000		0		
	6035			6036	4	4	14	20# X-link	20/40	2	2		Freshwater	3,600	15,600	86	371	20.7%	36.0%	10,800	22,800		0		
								14	20# X-link	20/40	3	3		Freshwater	1,800	17,400	43	414	10.3%	24.0%	7,200	30,000		0	
								14	Flush (4-1/2")		4	4		Freshwater	5,688	23,088	135	550				30,000		93	
									ISDP and 5 min ISDP																
								167	# of Perfs/stage	26									Flush depth	5825	gal/ft	180	lbs sand/ft	671	
										39.3	<< Above pump time (min)														
																								LOOK	
5	WASATCH			24	5110	5111	4	4	Varied	Pump-in test					Freshwater		0	0	0						0
			5122	5124	4	8	0	ISIP and 5 min ISIP					Freshwater	100	100	2	2	1.4%	0.0%	0	0		7		
							8	20#					Freshwater	2,400	2,500	57	60	34.3%	16.0%	2,400	2,400		5		
							8	20# X-link	20/40	1	1		Freshwater	1,800	4,300	43	102	25.7%	24.0%	3,600	6,000		5		
							10	20# X-link	20/40	2	2		Freshwater	1,800	6,100	43	145	25.7%	36.0%	5,400	11,400		0		
							10	20# X-link	20/40	3	3		Freshwater	900	7,000	21	167	12.9%	24.0%	3,600	15,000		0		
							10	Flush (4-1/2")		4	4		Freshwater	4,941	11,941	118	264				15,000		49		
									ISDP and 5 min ISDP															82	
								24	# of Perfs/stage	12									Flush depth	5060	gal/ft	625	lbs sand/ft	0	
										31.0	<< Above pump time (min)														
																								LOOK	
		Totals		560				110		3.1					Total Fluid	114,631	gals	2,729	bbls		Total Sand	150,000			534
																							6.1 tanks		
																							Total Scale Inhib. =		



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

September 2, 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: State 1021-28M  
SWSW Sec. 28, T10S-R21E  
API Well No. 4304739098  
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 owns 100% interest in all contiguous leasehold.

Please let me know if anything further is required in order to approve the sundry previously submitted to you regarding the recompletion of the State 1021-28M. I have enclosed a copy of the sundry notice.

Thank you for your attention to our request.

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

  
Lynn Padgett  
Staff Landman

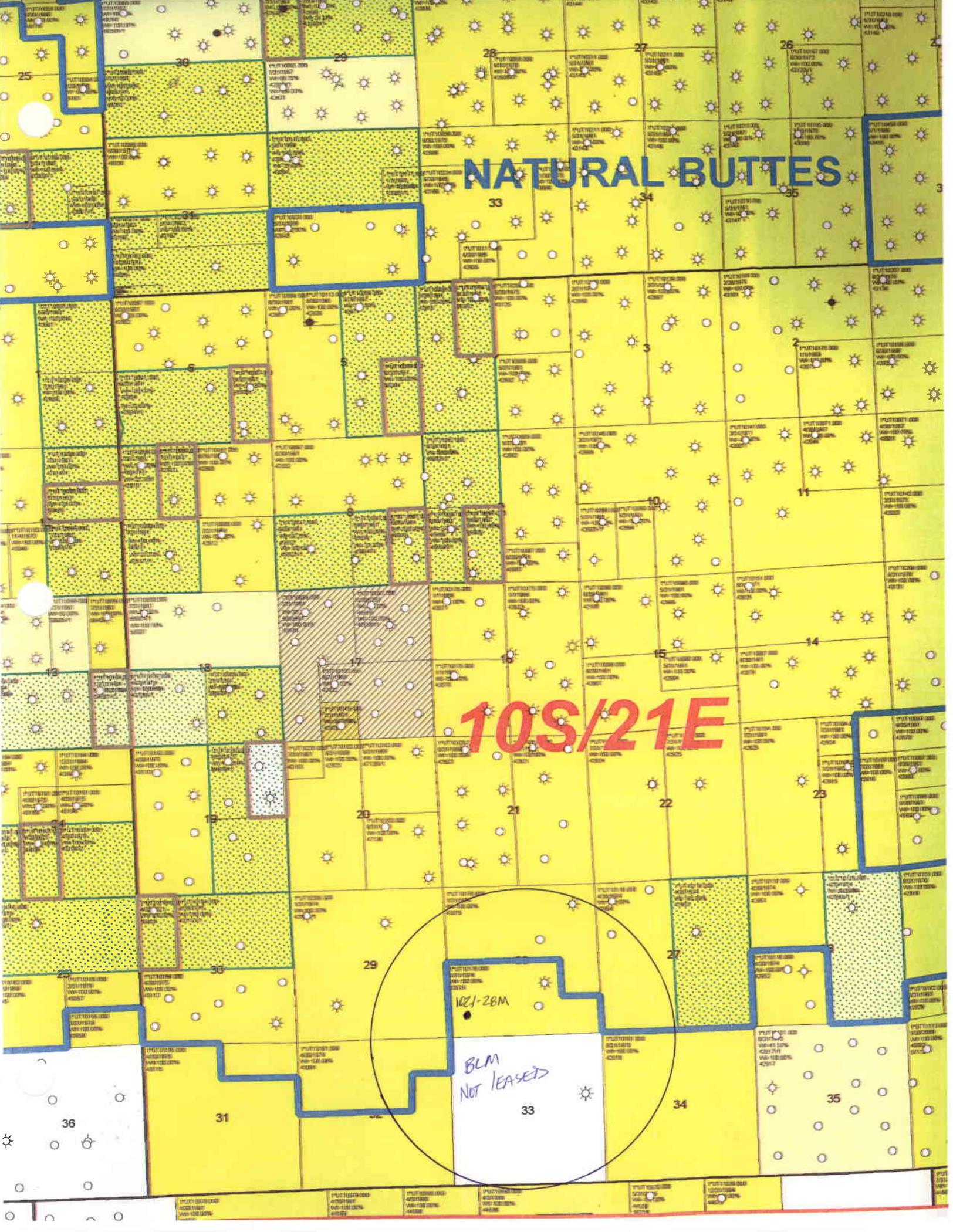
enclosures

RECEIVED  
SEP 04 2008  
DIV. OF OIL, GAS & MINING

# NATURAL BUTTES

## 10S/21E

1021-28M  
BLM  
NOT LEASED



**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

RunDate/Time: 09/02/08 09:03 AM

Page 1 of 1

**01 02-25-1920;041STAT0437;30USC226**  
**Case Type 311111: O&G LSE NONCOMP PUB LAND**  
**Commodity 459: OIL & GAS L**  
**Case Disposition: CLOSED**

**Total Acres**  
640.000

**Serial Number**  
UTU--- 0 143254

Serial Number: UTU--- 0 143254

Name & Address		Int Rel	% Interest	
HILL GILMAN A	7128 S POPLAR LANE	ENGLEWOOD CO 80112	LESSEE	100.00000000

Serial Number: UTU--- 0 143254

Mer Twp	Rng	Sec	STyp	SNr	Suff	Subdivision	District/Resource Area	County	Mgmt Agency
26	0100S	0210E	033	ALIQ		ALL;	VERNAL FIELD OFFICE	UINTAH	BUREAU OF LAND MGMT

Serial Number: UTU--- 0 143254  
Pending Office

Act Date	Code	Action	Action Remarks
09/27/1964	387	CASE ESTABLISHED	
09/28/1964	888	DRAWING HELD	
12/01/1964	868	EFFECTIVE DATE	
05/01/1965	898	ASGN EFFECTIVE	NO ORR MCCAW
10/01/1966	898	ASGN EFFECTIVE	NO ORR YATES
01/05/1968	232	LEASE COMMITTED TO UNIT	NATURAL BUTTES
04/01/1968	898	ASGN EFFECTIVE	NO ORR HILL
11/01/1968	898	ASGN EFFECTIVE	2% ORR TENNECO
02/13/1969	933	TRF OPER RGTS APPROVED	
07/02/1969	933	TRF OPER RGTS APPROVED	
02/05/1970	102	NOTICE SENT-PROD STATUS	
02/15/1972	933	TRF OPER RGTS APPROVED	
02/04/1975	933	TRF OPER RGTS APPROVED	
05/14/1979	510	KMA CLASSIFIED	/A/GEN RMKS
06/11/1979	315	RENTAL RATE DET/ADJ	\$2.00;
10/01/1979	510	KMA CLASSIFIED	BITTER CREEK-RED WASH
07/16/1981	226	ELIM BY CONTRACTION	
07/16/1981	892	AGRMT CONTRACTION APPV	NATURAL BUTTES KP
07/17/1983	234	EXPIRED	
07/17/1983	970	CASE CLOSED	
08/07/1985	163	CASE SENT TO NARA	850147 339097 (1)

Serial Number: UTU--- 0 143254

Line Nr	Remarks
0001	/A/UND ADDN BITTER CREEK SEC 33 N2;

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML-21329

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:  
STATE 1021-28M

2. NAME OF OPERATOR:  
KERR MCGEE OIL & GAS ONSHORE LP

9. API NUMBER:  
4304739098

3. ADDRESS OF OPERATOR:  
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:  
(435) 781-7024

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 461'FSL, 785'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 28 10S 21E

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: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH FORMATION, AND COMMINGLE THE NEWLY WASATCH FORMATION ALONG WITH THE EXISTING MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 9.23.2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO  
SIGNATURE *Sheila Upchego*

TITLE REGULATORY ANALYST  
DATE 8/22/2008

(This space for State use only)  
**RECEIVED**  
SEP 16 2008  
DIV. OF OIL, GAS & MINING

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
DATE: 9/22/08  
BY: *[Signature]*  
\* Received commingling information (2649-3-22), previously denied (8/25/08). Blm has objection on unleased tract.

**Name:** State 1021-28M  
**Location:** SWSW-Section 28-T10S-R21E  
**Uintah County, UT**  
**Date:** 08/19/08

**ELEVATIONS:** 5303 GL 5320 KB

**TOTAL DEPTH:** 9155 **PBTD:** 9110  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2039'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 9155'  
 Marker Joint 4161-4182'

**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:**

990' Green River  
 1598' Mahogany  
 4165' Wasatch  
 6970' Mesaverde  
 Estimated T.O.C. from CBL @3150' (ratty above)

**GENERAL:**

- A minimum of 7 tanks (cleaned lined 500 bbl) of fresh water will be required. Note: Use biocide in tanks and the water needs to be at least 65°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 12/31/07
- 5 fracturing stages required for coverage.
- Procedure calls for 6 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.
- 20/40 mesh Ottawa sand, **Gel frac.**
- Maximum surface pressure 6200 psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump **resin coated sand** last 5,000# of all frac stages

- Tubing Currently Landed @~6860'
- Originally completed on 2/21/2008

**Existing Perforations:**

Zones	Perforations		SPF	Holes
	Top, ft	Bottom, ft		
MESAVERDE	8786	8773	4	28
MESAVERDE	8780	8784	4	16
MESAVERDE	8485	8488	3	9
MESAVERDE	8517	8522	3	15
MESAVERDE	8565	8568	4	12
MESAVERDE	8636	8638	4	8
MESAVERDE	8322	8330	4	32
MESAVERDE	8339	8341	4	8
MESAVERDE	7884	7893	3	27
MESAVERDE	7901	7904	3	9
MESAVERDE	7916	7918	4	8
MESAVERDE	7558	7560	4	8
MESAVERDE	7590	7598	4	32
MESAVERDE	7396	7400	3	12
MESAVERDE	7418	7426	4	32
MESAVERDE	7202	7205	4	12
MESAVERDE	7237	7247	3	30
MESAVERDE	7046	7050	3	12
MESAVERDE	7058	7068	3	30

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOOHL with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~6860'). Visually inspect for scale and consider replacing if needed. If the tubing is above the proposed CBP depth, RIH with tubing and tag for fill before TOOHL.
3. If tbg looks ok consider running a gauge ring to 6972' (50' below proposed CBP). Otherwise P/U a mill and C/O to 6972' (50' below proposed CBP).
4. Set 8000 psi CBP at ~6922'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6838	6840	4	8
WASATCH	6888	6892	4	16
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6788' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~6646'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
------	------	----	-----	------------

WASATCH	6491	6493	4	8
WASATCH	6539	6540	4	4
WASATCH	6557	6558	4	4
WASATCH	6596	6597	4	4
WASATCH	6615	6616	4	4

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6449' and trickle 250gal 15%HCL w/ scale inhibitor in flush.  
TIGHT SPACING

9. Set 8000 psi CBP at ~6439'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6318	6320	4	8
WASATCH	6340	6341	4	4
WASATCH	6394	6395	4	4
WASATCH	6407	6409	4	8

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6268' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6066'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5875	5877	4	8
WASATCH	5920	5922	4	8
WASATCH	5977	5978	4	4
WASATCH	6015	6016	2	2
WASATCH	6035	6036	4	4

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5825' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~5154'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5110	5111	4	4
WASATCH	5122	5124	4	8

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5060' and flush with linear gel or freshwater only.

15. Set 8000 psi CBP at ~5060'.

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

17. Drill plugs and clean out to 9110'. Pump off sub and land tubing at ±8455' unless indicated otherwise by the well's behavior. This well will be commingled at this time.

18. RDMO

For design questions, please call  
David Cocciolone, Denver, CO  
(832)-453-2043 (Cell)  
(720)-929-6716 (Office)

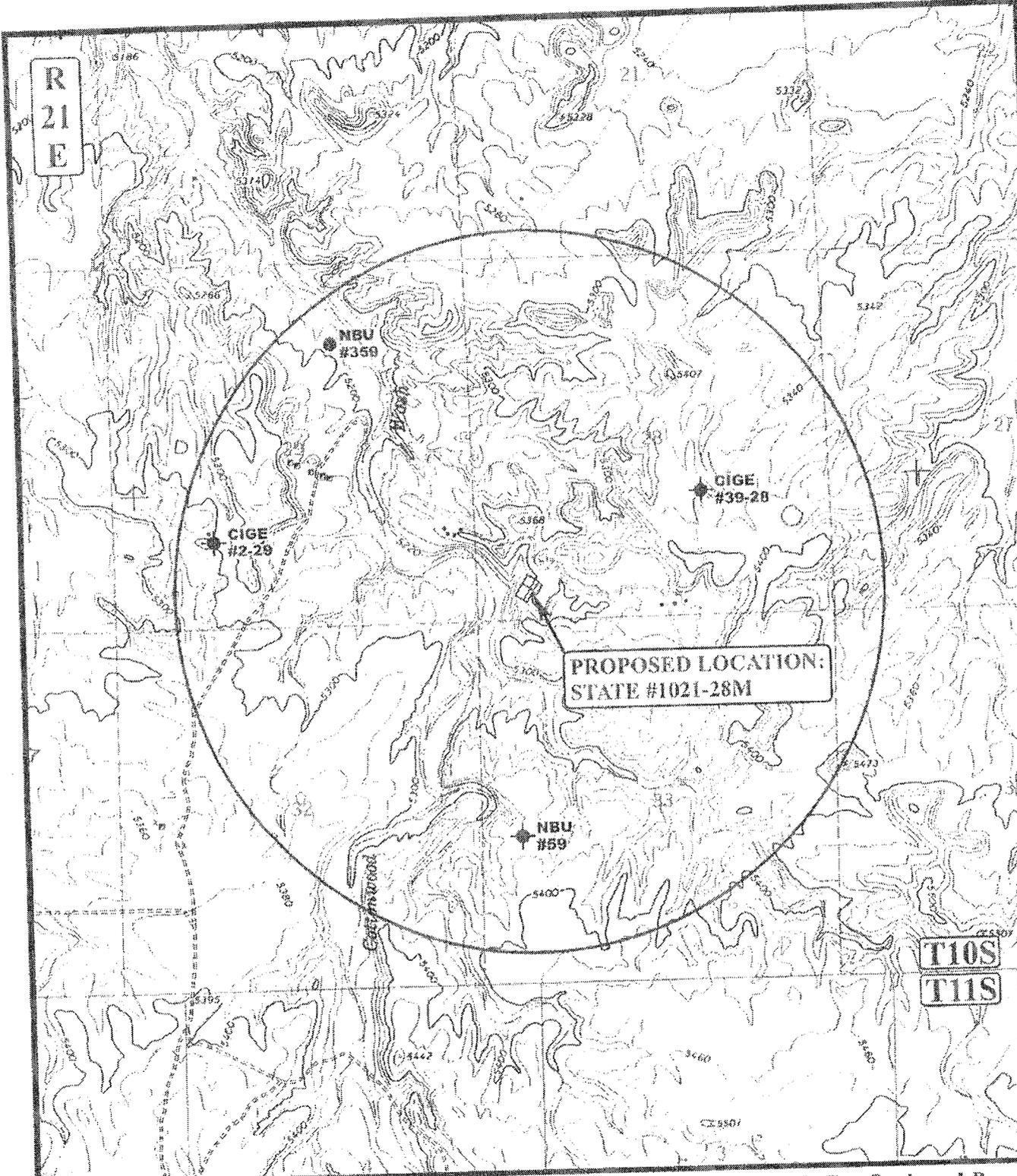
For field implementation questions, please call  
Robert Miller, Vernal, UT  
(435)-781-7041 (Office)

NOTES:  
Gel pumped at varying rates between stages to avoid water. Post review should look at WGR.





R  
21  
E



PROPOSED LOCATION:  
STATE #1021-28M

T10S  
T11S

**LEGEND:**

- ∅ DISPOSAL WELLS
- PRODUCING WELLS
- ◆ SHUT IN WELLS
- WATER WELLS
- ◆ ABANDONED WELLS
- TEMPORARILY ABANDONED



Kerr-McGee Oil & Gas Onshore LP

STATE #1021-28M  
SECTION 28, T10S, R21E, S.L.B.&M.  
461' FSL 785' FWL



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

TOPOGRAPHIC  
MAP

01 | 04 | 07  
MONTH | DAY | YEAR

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



**From:** <Jerry\_Kenczka@blm.gov>  
**To:** "Padgett, Lynn" <Lynn.Padgett@anadarko.com>  
**Date:** 9/19/2008 1:49 PM  
**Subject:** Re: FW: State 1021-28M - API Well No. 4304739098

**CC:** <dustindoucet@utah.gov>  
Dustin, we do not have an objection at this time to Anadarko's proposal. If you need something more from me, please let me know.

Jerry Kenczka  
AFM Lands and Minerals  
BLM Vernal Field Office  
435-781-4440

This message (which includes any attachments) is intended only for the designated recipient(s). It may contain confidential information or proprietary information and may be subject to the attorney-client privilege or other confidentiality protections. If you are not a designated recipient, you may not review, use, copy, or distribute this message. If you receive this in error, please notify the sender by reply email and delete this message. Thank you.

"Padgett, Lynn"  
<Lynn.Padgett@anadarko.com>  
To  
<Jerry\_Kenczka@blm.gov>  
09/18/2008 08:31 AM cc  
Subject  
FW: State 1021-28M - API Well No. 4304739098

-----Original Message-----

From: Padgett, Lynn  
Sent: Thursday, September 18, 2008 8:21 AM  
To: 'JerryKenczka@blm.gov'  
Cc: Latimer, Chris  
Subject: FW: State 1021-28M - API Well No. 4304739098

Hi Jerry,  
Dustin at DOGM is waiting to receive your approval (via email) regarding our commingling operatings in the above captioned well. If you recall,

we discussed the BLM's unleased minerals in Section 33-T10S-R21E which is just south of our well location Monday afternoon. Per Rule 649-3-22, "Completion into Two or More Pools" notice is required for all contiguous owners. You stated that the BLM approves our proposed commingling operations.

Please see Dustin Doucet's response below.

Thanks Jerry!  
Lynn

-----Original Message-----

From: Dustin Doucet [mailto:dustindoucet@utah.gov]  
Sent: Thursday, September 18, 2008 7:51 AM  
To: Padgett, Lynn  
Subject: Re: State 1021-28M - API Well No. 4304739098

I am waiting for something from BLM. Jerry called and left a message, but never verbally stated he had received a copy of the proposal and was o.k. with it. I would prefer something in email from the BLM if possible.

Dustin

Dustin K. Doucet  
Petroleum Engineer  
Utah Division of Oil, Gas and Mining  
Oil and Gas Program  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

Phone: (801) 538-5281  
fax: (801) 359-3940  
email: dustindoucet@utah.gov

>>> "Padgett, Lynn" <Lynn.Padgett@anadarko.com> 9/17/2008 11:33 AM >>>

Hi Dustin,  
I spoke with Jerry Kenczka @ the BLM yesterday after we talked. Jerry was fine with our intent to commingle regarding the captioned well and the BLM's unleased minerals in all of Section 33-T10S-R21E. He said he would give you a call to let you know the BLM has no objections to our drilling plans.

Is there any chance this sundry could be approved today? I appreciate all of your help & assistance.

Thanks!

Lynn Padgett  
Anadarko Petroleum Corporation  
Staff Landman  
Mailing Address:  
P.O. Box 173779  
Denver, CO 80217-3779  
Street Address:  
1099 18th Street, Suite 1800  
Denver, CO 80202-1918  
Office - (720) 929-6551  
Cell - (720) 201-1420  
Fax - (720) 929-7099

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Anadarko Confidentiality Notice:

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-21329**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:  
**STATE 1021-28M**

2. NAME OF OPERATOR:  
**KERR MCGEE OIL & GAS ONSHORE LP**

9. API NUMBER:  
**4304739098**

3. ADDRESS OF OPERATOR:  
**1368 SOUTH 1200 EAST**      CITY **VERNAL**      STATE **UT**      ZIP **84078**

PHONE NUMBER:  
**(435) 781-7024**

10. FIELD AND POOL, OR WILDCAT:  
**NATURAL BUTTES**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **461' FSL, 785' FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SWSW 28 10S 21E**

STATE: **UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<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 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 checked="" 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 type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/4/2008 AT 9:12 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **REGULATORY ANALYST**

SIGNATURE

*Sheila Upchego MK*

DATE

**10/7/2008**

(This space for State use only)

**RECEIVED**

**OCT 08 2008**

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

EVENT INFORMATION: EVENT ACTIVITY: RECOMPLETION START DATE: 9/24/2008 AFE NO.: 2025912  
 OBJECTIVE: DEVELOPMENT END DATE: 10/1/2008  
 OBJECTIVE 2: RECOMPLETE DATE WELL STARTED PROD.: 11/11/2007  
 REASON: WAS GEL Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location  
 LEED 733 / 733 09/25/2008 10/01/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
9/24/2008	SUPERVISOR: CLAUD SIMS						
	7:00 - 7:30	0.50	COMP	48		P	JSA SAFETY MEETING #1, DAY 1
	7:30 - 12:00	4.50	COMP	30	A	P	ROAD RIG FROM NBU 1021-16L TO LOC, MIRU
	12:00 - 18:30	6.50	COMP	31	I		1000# ON WELL, BLOWED DN TO TK, PUMP 30 BBLS WTR DN TBG, N/D WH, N/U BOPS, R/U FLOOR AND TBG EQUIP, TOOH W/ 2-3/8" TBG STANDING IN DERRICK. TALLY TBG OUT, N/D BOPS, N/U FRAC VALVE, SDFN
9/26/2008	SUPERVISOR: CLAUD SIMS						
	8:00 - 8:30	0.50	COMP	48		P	JSA-SAFETY MEETING #2, DAY 2
	8:30 - 10:30	2.00	COMP	34	I	P	1000# ON WELL, BLOWED DN TO TK, R/U CASED HOLE SOLUTION WIRELINE, RIH W/ BAKER 8K CBP, SET CBP AT 6960', R/U BC QUICK TEST, PRESSURE TEST CSG & FRAC VALVE TO 6000#, OK, R/D TESTER
	10:30 - 11:30	1.00	COMP	33	C	P	RIH W/ 3-3/8" PERF GUNS, PERF THE WASATCH @ 6888 - 92', 6838 - 40', 4-SPF, USING 3-3/8" EXP GUNS, 23gm, 90°, 0.36 HOLE, 24 HOLES.
	11:30 - 11:30	0.00	COMP	37	B	P	SHUT WELL IN SDFWE.
9/29/2008	SUPERVISOR: STEVE WALL						
	7:00 - 7:30	0.50	COMP	48		P	HSM, FRACING AND PERF.
	7:30 - 15:30	8.00	COMP	46		P	RU SCHLUMBERGER, WAIT ON FRAC EQUIP TO ARIVE ON LOCATION, EQUIP PROBLEM ON PCM.
	15:30 - 18:30	3.00	COMP	36		P	STG 1) PRIME PUMP AND LINES, AND TEST TO 7500# PSI. WHP 488 PSI, BRK @ 4658 PSI, @ 9.6 BPM, ISIP 3200 PSI, FG .90. PUMPED 100 BBLS @ 14 BPM @ 5350 PSI=72% PERF OPEN. MR 5775 PSI, MR 14.4 BPM, AP 3837 PSI, AR 12.7 BPM. FG 1.00 ISIP 3900 PSI, NPI 700 PSI. PUMPED 903.6 BBLS YF120ST+ GEL, AND 40,543 LBS 20/40 SAND. AND 5,000# 20/40 RESIN. TOTAL PROP PUMPED 45,543 LBS.
							STG 2) PU 4 1/2" CBP & 3 3/8" EXP GUNS, .23 GM, .36" HOLES. 90 DEG PHASING, SET 8K BAKER @ 6646'. PERF 6615'-16, 4 SPF 4 HLS, 6596'-97', 4 SPF 4 HLS, 6557'-58', 4 SPF, 4 HLS, 6539'-40' 4 SPF, 4 HLS. 6491'-93', 4 SPF, 8 HLS. TOTAL 24 HLS. POOH SWI SDFN.
9/30/2008	SUPERVISOR: STEVE WALL						
	7:00 - 7:30	0.50	COMP	48		P	HSM, FRACING, WORKING W/ WIRE LINE, AND TRIPPING TBG.

7:30 - 18:00 10.50 COMP 36

P STG 2) WHP 2440 PSI, BRK @ 5912 PSI, @ 4.9 BPM, ISIP 4150 PSI, FG 1.07.  
 PUMPED 50 BBLS @ 20 BPM @ 4250 PSI = 100% PERFS OPEN.  
 MP 6308 PSI, MR 20.9 BPM, AP 4073 PSI, AR 15.1 BPM, FG .89.  
 ISIP 3000 PSI, NPI -115 PSI.  
 PUMPED 466.4 BBLS YF120 ST+ GEL, AND 19,100 LBS 20/40 SAND AND 5,000 LBS 20/40 RESIN.  
 TOTAL PROP PUMPED 24,100 LBS.

STG 3) PU 41/2" CBP & 3 3/8" EXP GUNS, 23 GM, .36" HOLES, 90 DEG PHASING, SET CBP @ 6439' PERF WASATCH F/ 6407'-09', 4SPF, 8 HLS. 6394'-95', 4SPF, 4 HLS. 6340'-41', 4SPF, 4 HLS. 6318'-20' 4SPF, 8 HLS. TOTAL 24 HLS.  
 WHP. 2150 PSI. BRK @ 5393 PSI, 3.9 BPM, ISIP 2720 PSI. FG .86.  
 PUMPED 50 BLS @ 20 BPM, 3870 PSI = 100% PERFS OPEN.  
 MP 6299 PSI, MR 20.8 BPM, AP 3860 PSI, AR 17.2 BPM, ISIP 2800 PSI, FG .87.  
 NPI 80 PSI, PMPD 499 BBLS YF120ST+ GEL, & 22,800 LBS 20/40 SND, & 5,000 LBS 20/40 RESIN SAND.  
 TOTAL PROP 27,800 LBS.

STG 4) PU 41/2" CBP & 3 3/8" EXP GUNS, 23 GM, .36" HOLES, 90 DEG PHASING. SET CBP @ 6066'. PERF WASATCH F/ 6035'-36' 4SPF 4 HLS, 6015'-16' 2 SPF 2 HLS. 5977'-78' 4 SPF 4 HLS. 5920'-22' 4 SPF, 8 HLS. 5875'-77' 4 SPF, 8 HLS. TOTAL 26 HLS.  
 WHP 1200 PSI, BRK @ 5712 PSI, @ 3.9 BPM ISIP 2430 PSI, FG .84.  
 PUMPED 50 BBLS @ 19.9 BPM @ 4180 PSI= 100% PERS OPEN.  
 MP 6285 PSI, MR 20.2 BPM, AP 3586 PSI, AR 15.4 BPM. ISIP 2450 PSI, FG .84  
 NPI 20 PSI, PMPD 423 BBLS YF120ST+ GEL, & 14,400 LBS 20/40 SND, & 5,000 LBS 20/40 RESIN SAND.  
 TOTAL PROP 19,400 LBS.

STG 5) PU 41/2" CBP & 3 3/8" EXP GUNS, 23 GM, .36" HLS, 90 DEG PHASE. SET CBP @ 5154' & PERF WASATCH F/ 5122'-24' 4 SPF, 8 HLS. 5110'-11' 4 SPF, 4 HLS. TOTAL 12 HLS.  
 WHP 660 PSI, BRK 2808 PSI @ 5.3 BPM, ISIP 1360 PSI.FG,  
 PUMPED 50 BBLS @ 8.4 BPM @ 2500 PSI = 96% PERFS OPEN.  
 MP 3076 PSI, MR 10.9 BPM, AP 2590 PSI, AR 9.2 BPM, ISIP 2700 PSI FG .96.  
 NPI 1340 PSI, PMPD 291 BBLS YF120ST+ GEL, & 10,600 LBS 20/40 SND, & 7,388 LBS 20/40 RESIN SAND.  
 TOTAL PROP 17,988 LBS.

KILL PLUG ) PU 41/2" 8K CBP RIH & SET @ 5050' RD SCHLUMBERGER AND CASED HOLE WIRE LINE,

PU RIH W/ 3 7/8" BIT AND POBS, & 152 JTS 2 3/8" J-55 TBG TO 4798' EOT. RU DRLG EQUIP, PREP TO DRILL CBPS IN AM. SWI SDFN.

10/1/2008 SUPERVISOR: CLAUD SIMS

7:00 - 7:30 0.50 COMP 48 P  
 7:30 - 8:30 1.00 COMP 31 | P

JSA-SAFETY MEETING #5, DAY 5.  
 NO PRESSURE ON WELL, TIH W 2-3/8" TBG, TAGCBP @ 5050', R/U POWER SWIVEL,

8:30 - 18:30 10.00 COMP 44 C P

(DRLG CBP #1) 5050', DRILL OUT BAKER CBP IN 5 MIN, 20 #  
DIFF, TIH TAG @ 5140', C/O 14' SAND, FCP = 20#.

(DRLG CBP #2) 5354', DRILL OUT BAKER 8K CBP IN 4 MIN, 180#  
DIFF, RIH TAG @ 6050', C/O 16' SAND, FCP = 200#.

(DRLG CBP #3) 6066', DRILL OUT BAKER 8K CBP IN 4 MIN, 10#  
DIFF, RIH TAG @ 6415', C/O 24' SAND, FCP = 200#.

(DRLG CBP #4) 6439', DRILL OUT BAKER 8K CBP IN 3 MIN, 0#  
DIFF, RIHTAG @ 6610', C/O 36' SAND, FCP = 100#.

(DRLG CBP #5) 6646', DRILL OUT BAKER 8K CBP IN 4 MIN, 0#  
DIFF, RIH TAG @ 6938', C/O 22' SAND, FCP = 100#.

(DRLG CBP #6) 6960', DRILL OUT BAKER 8K CBP IN 4 MIN, 0#  
DIFF, LOST CIRC, KICK FOAM UNIT ON, CIRC WELL W/ FOAM  
UNIT, BLOWED WELL AROUND W/ FOAM UNIT, RIH TAG @  
9110', PULLED OUT LAYED DN 20 JTS, LANDED TBG ON  
HANGER W/ 268 JTS 2-3/8" J-55 TBG, EOT @ 8462.20', R/D  
FLOOR AND TBG EQUIP., N/D BOPS, N/U WH, DROP BALL DN  
TBG, PUMP OFF BIT @ 1200#, RIH W/ TBG BROACH TO @  
6462', OPEN WELL UP TO FBT ON 48/64 CHOKE, NO FLOW, R/U  
FOAM UNIT PUMP DN TBG OUT CSG, THEN PUMP DN CSG OUT  
TBG KICKING WELL OFF.  
FTP = 450 #, SICP = 1000#, TURN WELL OVER TO FBC @ 6:30  
P.M.  
W/ 2,203 BBLS WTR LTR,  
AVG 4 MIN / PLUG, @ 112' SAND.  
R/D SERVICE UNIT MOVE OFF LOC.

10/2/2008 SUPERVISOR: -  
7:00 - 33 A

7 AM FLBK REPORT: CP 1750#, TP 0#, OPEN/64" CK, - BWPH, -  
SAND, - GAS  
TTL BBLS RECOVERED: 920  
BBLS LEFT TO RECOVER: 2193

10/2/2008 SUPERVISOR: CLAUD SIMS  
7:00 - 10:00 3.00 COMP 33 P

HOOK UP WEATHERFORD FOAM UNIT, PUMP DN CSG OUT  
TBG, BLOWED WELL AROUND, KICK WELL OFF, PUT WELL ON  
TEST

10/3/2008 SUPERVISOR: -  
7:00 - 33 A

7 AM FLBK REPORT: CP 1000#, TP 550#, 20/64" CK, 8 BWPH, -  
SAND, - GAS  
TTL BBLS RECOVERED: 1263  
BBLS LEFT TO RECOVER: 1850

10/4/2008 SUPERVISOR: JOHN  
7:00 - 33 A

7 AM FLBK REPORT: CP 1050#, TP 525#, 20/64" CK, 9 BWPH, -  
SAND, - GAS  
TTL BBLS RECOVERED: 1468  
BBLS LEFT TO RECOVER: 1645

9:15 - PROD

WELL TURNED TO SALES @ 0915 HR ON 10/4/2008 - FTP 625#.  
CP 1000#. CK 20/64", 325 MCFD, 216 BWPD

10/5/2008 SUPERVISOR: JOHN  
7:00 - 33 A

7 AM FLBK REPORT: CP 950#, TP 525#, 20/64" CK, 7 BWPH,  
CLEAN SAND, - GAS  
TTL BBLS RECOVERED: 1650  
BBLS LEFT TO RECOVER: 1463

10/6/2008 SUPERVISOR: JOHN  
7:00 - 33 A

7 AM FLBK REPORT: CP 900#, TP 500#, 20/64" CK, 7 BWPH,  
CLEAN SAND, 1000 GAS  
TTL BBLS RECOVERED: 1811  
BBLS LEFT TO RECOVER: 1302

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER **RECOMPLETE**

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-21329**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**STATE 1021-28M**

2. NAME OF OPERATOR:  
**KERR MCGEE OIL & GAS ONSHORE LP**

9. API NUMBER:  
**4304739098**

3. ADDRESS OF OPERATOR: **1368 S 1200 E** CITY **VERNAL** STATE **UT** ZIP **84078** PHONE NUMBER: **(435) 781-7024**

10. FIELD AND POOL, OR WILDCAT  
**NATURAL BUTTES**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **461'FSL, 785'FWL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SWSW 28 10S 21E**

12. COUNTY **UINTAH** 13. STATE **UTAH**

14. DATE SPUNDED: **11/11/2007** 15. DATE T.D. REACHED: **12/31/2007** 16. DATE COMPLETED: **10/4/2008** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**5303'GL**

18. TOTAL DEPTH: MD **9,155** TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD **9,110** TVD \_\_\_\_\_ 20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD \_\_\_\_\_ PLUG SET: TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**N/A**

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	32.3# 36#		2,050		595			
7 7/8"	4 1/2 I-80	11.6#		9,155		1604			

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,462							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) WASATCH	5,110	6,892			5,110 6,892	0.36	122	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

**27. PERFORATION RECORD**

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5110'-6892'	PMP 2583 BBLS SLICK H2O & 134,831# 20/40 SD

29. ENCLOSED ATTACHMENTS:  ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:  
**PROD**

**RECEIVED**

**OCT 27 2008**

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 10/4/2008		TEST DATE: 10/7/2008		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2,500	WATER - BBL: 180	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 349	CSG. PRESS. 789	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2,500	WATER - BBL: 180	INTERVAL STATUS: PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,266 7,039	7,014 9,147			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE *Sheila Upchego*

DATE 10/20/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21329
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> STATE 1021-28M
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047390980000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0461 FSL 0785 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 28 Township: 10.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/5/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input checked="" type="checkbox"/> <b>CHANGE WELL STATUS</b>	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

The operator requests authorization to shut-in the subject well due to operational issues. The subject well location last produced on 2/6/2010. The operator is currently working on getting the subject well location back on sales. We will shut-in the subject well on 3/5/2010.

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

**Date:** March 08, 2010

**By:** *Derek Quist*

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21329
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--	--

<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> STATE 1021-28M
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<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047390980000
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0461 FSL 0785 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 28 Township: 10.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/9/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THIS WELL RETURNED TO PRODUCTION ON 3/9/2010.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 17, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/17/2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21329
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<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

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By: *Derek Quist*

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21329
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
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<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> STATE 1021-28M
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<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047390980000
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0461 FSL 0785 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 28 Township: 10.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/9/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THIS WELL RETURNED TO PRODUCTION ON 3/9/2010.

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

**FOR RECORD ONLY**

March 17, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/17/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21329
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>8. WELL NAME and NUMBER:</b> STATE 1021-28M
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>9. API NUMBER:</b> 43047390980000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0461 FSL 0785 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 28 Township: 10.0S Range: 21.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<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"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/21/2011	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER: <input style="width: 50px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
THIS WELL RETURNED TO PRODUCTION ON 03/21/2011.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/11/2011	

**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
Various	NBU REVISION						UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>E</i>	<i>Various</i>	<i>2900</i>	<i>3/13/2012</i>			<i>2/1/2012</i>	
<b>Comments:</b> MOVE THE ATTACHED WELLS INTO THE NATURAL BUTTES UNIT REVISION EFFECTIVE 02/01/2012. <i>72 wells</i> <i>5/31/2012</i>							

Well 2

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

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	
<b>Comments:</b>							

**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 WOPSOCK

Name (Please Print)

Signature

REGULATORY ANALYST

Title

5/30/2012

Date

**RECEIVED**

**MAY 31 2012**

Div. of Oil, Gas & Mining

Entity Action Form Attachment for wells moved into the Natural Buttes Unit Effective 02/01/2012.

API	Well Name	QTR/QTR / Section	TWNSHP	RANGE	Producing Intervals
4304737079	FEDERAL 920-25I	NESE <sup>orig. entity</sup> 15431	25 9S	20E	WASATCH/MESAVERDE
4304737080	FEDERAL 920-25H	SENE 15761	25 9S	20E	WASATCH/MESAVERDE
4304737081	FEDERAL 920-25A	NENE 15553	25 9S	20E	WASATCH/MESAVERDE from MURD
4304739098	STATE 1021-28M	SWSW 16499	28 10S	21E	WASATCH To WSMVD
4304737918	FEDERAL 1021-26L	NWSW 16390	26 10S	21E	MESAVERDE To WSMVD
4304737919	FEDERAL 1021-26N	SESW 16391	26 10S	21E	WASATCH/MESAVERDE
4304737916	FEDERAL 1021-25O	SWSE 16277	25 10S	21E	WASATCH/MESAVERDE
4304739112	STATE 1021-31M	SWSW 16454	31 10S	21E	WASATCH To WSMVD
4304739127	STATE 1021-32P	SESE 16471	32 10S	21E	WASATCH/MESAVERDE
4304739128	STATE 1021-32O	SWSE 17513	32 10S	21E	WASATCH/MESAVERDE
4304739131	STATE 1021-32L	NWSW 16902	32 10S	21E	WASATCH/MESAVERDE
4304739133	STATE 1021-32J	NWSE 17529	32 10S	21E	WASATCH/MESAVERDE
4304739134	STATE 1021-32I	NESE 16905	32 10S	21E	WSMVD
4304739135	STATE 1021-32H	SENE 17528	32 10S	21E	WASATCH/MESAVERDE
4304735714	FEDERAL 1022-29H	SENE 15147	29 10S	22E	WASATCH/MESAVERDE
4304735715	FEDERAL 1022-29F	SENW 15162	29 10S	22E	WASATCH/MESAVERDE
4304735716	FEDERAL 1022-29B	NWNE 11492	29 10S	22E	WASATCH/MESAVERDE
4304735737	FEDERAL 1022-29I	NESE 15001	29 10S	22E	WASATCH/MESAVERDE
4304735738	FEDERAL 1022-29D	NWNW 15016	29 10S	22E	MESAVERDE To WSMVD
4304734862	FEDERAL 31-10-22	SESE 13879	31 10S	22E	MESAVERDE To WSMVD
4304735173	FEDERAL 1022-31D	NWNW 14132	31 10S	22E	WASATCH/MESAVERDE
4304736492	FEDERAL 1022-31N	SESW 16255	31 10S	22E	WASATCH/MESAVERDE
4304736493	FEDERAL 1022-31I	NESE 15089	31 10S	22E	WASATCH/MESAVERDE
4304736494	FEDERAL 1022-31G	SWNE 15075	31 10S	22E	WASATCH/MESAVERDE
4304736495	FEDERAL 1022-31F	SENE 15230	31 10S	22E	WASATCH/MESAVERDE
4304736574	FEDERAL 1022-31C	NENW 15090	31 10S	22E	WASATCH/MESAVERDE
4304736575	FEDERAL 1022-31J	NWSE 15214	31 10S	22E	WASATCH/MESAVERDE
4304736576	FEDERAL 1022-31L	NWSW 16276	31 10S	22E	WASATCH/MESAVERDE
4304734317	STATE 1-32	NESW 13419	32 10S	22E	WASATCH/MESAVERDE
4304734831	STATE 2-32	SESW 13842	32 10S	22E	MESAVERDE To WSMVD
4304734832	STATE 3-32	NWSW 13844	32 10S	22E	WASATCH/MESAVERDE
4304735095	STATE 1022-32J	NWSE 114097	32 10S	22E	WSMVD
4304735096	STATE 1022-32A	NENE 13914	32 10S	22E	WASATCH/MESAVERDE
4304735186	STATE 1022-32P	SESE 14131	32 10S	22E	MESAVERDE To WSMVD
4304735315	STATE 1022-32O	SWSE 14114	32 10S	22E	WASATCH/MESAVERDE
4304735647	STATE 1022-32H	SENE 14348	32 10S	22E	MESAVERDE To WSMVD
4304736413	STATE 1021-36O	SWSE 15619	36 10S	21E	WASATCH/MESAVERDE
*4304738157	WELL BELONGS TO QEP ENERGY CORP "GH 8-20-8-21" PERMIT NOT APPROVED				
4304734839	FEDERAL 1022-15F	SENW 14618	15 10S	22E	WASATCH/MESAVERDE
4304736414	STATE 1021-36J	NWSE 15651	36 10S	21E	WASATCH/MESAVERDE
4304738152	STATE 1021-36L	NWSW 16012	36 10S	21E	WASATCH/MESAVERDE
4304735440	FEDERAL 1022-15J	NWSE 14617	15 10S	22E	WASATCH/MESAVERDE
4304736415	STATE 1021-36I	NESE 15684	36 10S	21E	WASATCH/MESAVERDE
4304738845	STATE 1021-36D	NWNW 16455	36 10S	21E	WASATCH/MESAVERDE

4304750096	FEDERAL 1022-27H	SENE	17626	27 10S	22E	WASATCH/MESAVERDE	
4304736416	STATE 1021-36H	SENE	15335	36 10S	21E	WASATCH/MESAVERDE	
4304738846	STATE 1021-36E	SWNW	16523	36 10S	21E	WASATCH/MESAVERDE	
4304735676	FEDERAL 1022-28L	NWSW	15110	28 10S	22E	WASATCH/MESAVERDE	
4304736417	STATE 1021-36G	SWNE	15297	36 10S	21E	WASATCH/MESAVERDE	
4304738847	STATE 1021-36F	SENE	16394	36 10S	21E	WASATCH/MESAVERDE	
4304735713	FEDERAL 1022-28N	SESW	15145	28 10S	22E	WASATCH/MESAVERDE	
4304736418	STATE 1021-36B	NWNE	14953	36 10S	21E	WASATCH/MESAVERDE	
4304738848	STATE 1021-36N	SESW	16359	36 10S	21E	WASATCH/MESAVERDE	
4304735735	FEDERAL 1022-28O	SWSE	15285	28 10S	22E	WASATCH/MESAVERDE	from MURD
4304736419	STATE 1021-36A	NENE	15035	36 10S	21E	WASATCH/MESAVERDE	
4304738849	STATE 1021-36K	NESW	16084	36 10S	21E	WASATCH/MESAVERDE	
4304735736	FEDERAL 1022-28M	SWSW	15286	28 10S	22E	WASATCH/MESAVERDE	
4304736420	STATE 1021-36P	SESE	15372	36 10S	21E	WASATCH/MESAVERDE	
4304738850	STATE 1021-36C	NENW	16396	36 10S	21E	WASATCH/MESAVERDE	
4304734861	FEDERAL 29-10-22	SESE	14006	29 10S	22E	MESAVERDE	TO WSMVD
4304735577	FEDERAL 1022-33O	SWSE	15080	33 10S	22E	WASATCH/MESAVERDE	
4304735739	FEDERAL 1022-33E	SWNW	15193	33 10S	22E	WASATCH/MESAVERDE	
4304735740	FEDERAL 1022-33M	SWSW	15373	33 10S	22E	WASATCH/MESAVERDE	
4304735741	FEDERAL 1022-33L	NWSW	15511	33 10S	22E	WASATCH/MESAVERDE	
4304735742	FEDERAL 1022-33G	SWNE	15404	33 10S	22E	WASATCH/MESAVERDE	from MURD
4304735743	FEDERAL 1022-33C	NENW	15405	33 10S	22E	WASATCH/MESAVERDE	
4304735744	FEDERAL 1022-33A	NENE	15539	33 10S	22E	WASATCH/MESAVERDE	
4304737105	FEDERAL 1022-33D	NWNW	16502	33 10S	22E	WASATCH/MESAVERDE	
4304737106	FEDERAL 1022-33F	SENE	16560	33 10S	22E	WASATCH/MESAVERDE	from WSTC
4304737107	FEDERAL 1022-33K	NESW	16124	33 10S	22E	WASATCH/MESAVERDE	
4304737109	FEDERAL 1022-33N	SESW	16126	33 10S	22E	WASATCH/MESAVERDE	
4304737110	FEDERAL 1022-33B	NWNE	16561	33 10S	22E	WASATCH/MESAVERDE	
4304735810	STATE 1021-36E	SWNW	14295	36 10S	21E	WASATCH/MESAVERDE	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-21329
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> STATE 1021-28M	
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047390980000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6507	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0461 FSL 0785 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 28 Township: 10.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/17/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
OTHER: <input style="width: 100px;" type="text" value="TUBING FAILURE"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. A WORKOVER FOR TUBING FAILURE HAS BEEN COMPLETED ON THE STATE 1021-28M WELL. PLEASE SEE THE ATTACHED OPERATIONS SUMMARY REPORT FOR DETAILS.		
<b>Accepted by the Utah Division of Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> December 23, 2015		
<b>NAME (PLEASE PRINT)</b> Kristina Geno	<b>PHONE NUMBER</b> 720 929-6824	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/18/2015	

US ROCKIES REGION  
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: STATE 1021-28M					Spud date: 11/11/2007			
Project: UTAH-UINTAH			Site: STATE 1021-28M			Rig name no.: MILES-GRAY 1/1		
Event: WELL WORK EXPENSE			Start date: 12/8/2015		End date: 12/10/2015			
Active datum: RKB @5,320.00usft (above Mean Sea Level)				UWI: STATE 1021-28M				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
12/8/2015	10:00 - 12:00	2.00	MAINT	30	A	P		ROAD TO LOCATION. MIRU. SPOT IN ALL EQUIP.
	12:00 - 13:00	1.00	MAINT	30	F	P		FCP & FTP= 60#. BLOW DOWN WELL TO PRODUCTION TANKS. NDWH. UN-LAND TBG (TBG STUCK). STRIP IN 2-3/8" X 6' L-80 PUP JT. LAND TBG BACK ON HANGER. NUBOP. R/U FLOOR & TBG EQUIP. UN-LAND TBG REMOVE HANGER.
	13:00 - 15:00	2.00	MAINT	31	I	P		WORK STUCK PIPE. PUMP 30BBLS HOT TMAC DOWN CSG. PRESSURE UP TO 1000#. SLOWLY BLEEDING OFF. CONT TO WORK STUCK PIPE. WORK 2JTS 2-3/8" J-55 TBNG DOWN (SOME MOVEMENT IN THE TBNG. TBNG POPPED FREE. L/D 2JTS USED TO WORK STRING.
	15:00 - 17:00	2.00	MAINT	31	I	P		MIRU SCANNERS. POOH WHILE SCANNING 150JTS 2-3/8" J-55. L/D ALL TBNG FOR BETTER INSPECTION. SWIFN. DRAIN EQUIP. LOCK RAMS. SDFN.
12/9/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 9:15	2.00	MAINT	31	I	P		SICP= 600#. SITP= 300#. BLOW DOWN CSG TO FLOWBACK TANK. BLOW DOWN TBNG TO FLAT TANK. CONT POOH WHILE SCANNING THE REMAINING 118JTS 2-3/8" J-55 TBNG. SCANNED 268JTS TOTAL (ENTIRE STRING INTACT). SCAN RESULTS AS FOLLOWS:  Y-BND= 91JTS B-BND= 24 JTS. DUE TO MINOR INTERNAL PITTING. R-BND= 153JTS. WORST INTERVAL FROM JT#130 TO JT#268 (INTERNAL PITTING & WALL LOSS). FOUND HOLES IN JT #210 @6631'. LIGHT EXT SCALE JT#1 THRU JT# 51. MODERATE EXT SCALE JT# 70 THRU JT# 210. MODERATE TO HEAVY EXT SCALE JT# 211 THRU JT# 268. HEAVY INT SCALE JT#220 THRU JT# 268. PLE EQUIPMENT WAS FOUND IN JT# 222, 266 & 268. PLE WAS NOT RECOVERABLE.  RDMO SCANNERS.
	9:15 - 13:00	3.75	MAINT	31	I	P		PREP & TALLY TBNG ON PIPE RACKS. P/U & RIH W/ 3-7/8" MILL, POBS, 1.875" XN + 163JTS 2-3/8" J-55 Y-BND TBNG. T/U ON SCALE @5144'. INSTALL TSF. R/U POWER SWIVEL. MIRU N2 FOAMER.
12/10/2015	13:00 - 17:00	4.00	MAINT	31	N	P		BREAK CONV CIRC TO FLOWBACK TANK. D/O HARD HEAVY SCALE F- 5144' T- 5167'. FALL THRU. RIH 12JTS TTL. CNTRL TBG W/ 5BBLS TMAC. HANG BACK SWIVEL. PUH 12JTS & RMV TSF. RESUME RIH W/ TBNG. T/U @ 8385' W/ 265JTS + BHA. L/D 1JT TBNG. INSTALL TSF. INSTALL TIW VALVE. R/U N2 FOAMER. CIRC WELLBORE CLEAN FOR 90MIN. DRAIN EQUIP. SWIFN. LOCK RAMS. SDFN.
	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.

US ROCKIES REGION  
Operation Summary Report

Well: STATE 1021-28M

Spud date: 11/11/2007

Project: UTAH-UINTAH

Site: STATE 1021-28M

Rig name no.: MILES-GRAY 1/1

Event: WELL WORK EXPENSE

Start date: 12/8/2015

End date: 12/10/2015

Active datum: RKB @5,320.00usft (above Mean Sea Level)

UWI: STATE 1021-28M

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:15 - 14:00	6.75	MAINT	31	N	P		SICP= 650#. TSF INSTALLED IN TBNG. OPEN CSG TO FLOWBACK TANK. PUMP 1BBL TMAC THRU TSF TO MAKE SURE IT WAS CLEAR. R/U POWER SWIVEL. P/U 1JT 2-3/8" J-55 TBNG. T/U ON SCALE @ 8385' W/ 265JTS 2-3/8" J-55 + BHA. R/U N2 FOAM UNIT. BREAK CONV CIRC IN 30MIN. D/O HARD, HEAVY SCALE: 8385'- 8425'. D/O HARD PATCHY SCALE: 8430'- 8546'. D/O HARD, HEAVY SCALE: 8546'-8784'. FALL THRU SCALE. C/O SAND: 8784'- 9084' (HIT OLD POBS). CIRC WELL CLEAN FOR 1HR. CNTRL TBG W/ 10BBLS TMAC. RDMO N2 FOAM UNIT.
	14:00 - 17:00	3.00	MAINT	31	I	P		R/D POWER SWIVEL. POOH WHILE L/D 21JTS 2-3/8" J-55 NOT NEEDED FOR PRODUCTION. DROP BALL & TRY TO PUMP OFF MILL W/ N2 UNIT (DID NOT SEE MILL PUMP OFF). PUMP 40BBLS TMAC. R/U SAND LINE. BROACH TBNG GOOD FROM SURFACE TO XN NIPPLE @8417'. POOH BROACH. LUBE IN HANGER. LAND TBG ON HANGER. R/D FLOOR & TBNG EQUIP. NDBOP. NUWH. SWI. R/D RIG. DRAIN EQUIP. SDFN.  PRODUCTION TBNG LANDED AS FOLLOWS:  KB= 17.00' HANGER= .83' 266JTS 2-3/8" J-55 Y-BND TBG= 8397.29' 1.875" XN-POBS= 2.20' EOT @8417.32'  TWLTR= 40BBLS
12/14/2015	7:00 - 17:00	10.00	PROD	42		P		SWABBING FL 3800
12/15/2015	7:00 - 19:00	12.00	PROD	42		P		SWABBING
12/16/2015	7:00 - 19:00	12.00	PROD	42		P		SWABBING FL 5100
12/17/2015	7:00 - 19:00	12.00	PROD	42		P		SWABBING FL 5300