



Kerr McGee Oil and Gas Onshore LP
1368 SOUTH 1200 EAST • VERNAL, UT 84078
435-789-4433 • FAX 435-781-7094

July 31, 2007

Diana Whitney
State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling R649-3-11
NBU 1022-13N1S 1566'FSL, 1302'FWL (Surface)
725'FSL, 1990'FWL (Bottomhole)
Uintah County, Utah

Dear Ms. Whitney:

Pursuant to filing of Kerr McGee Oil & Gas Onshore L.P. Application for Permit to Drill regarding the above referenced well on July 31, 2007, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to location and siting of wells.

- NBU 1022-13N1S is located within the Natural Buttes Unit Area.
- Kerr McGee Oil & Gas Onshore L.P., is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr McGee Oil & Gas Onshore L.P., will be able to utilize the existing road and pipeline in the area.
- Furthermore, Kerr McGee Oil & Gas Onshore L.P. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr McGee Oil & Gas Onshore L.P. requests that the permit be granted pursuant to R649-3-11.

Sincerely,


Sheila Upchego
Senior Land Admin Specialist

RECEIVED
AUG 06 2007

DIV. OF OIL, GAS & MINING

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL			5. MINERAL LEASE NO: STUO-08512-ST	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: UNIT #891008900A	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE L.P.			9. WELL NAME and NUMBER: NBU 1022-13N1S	
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: 1566'FSL, 1302'FWL AT PROPOSED PRODUCING ZONE: 725'FSL, 1990'FWL			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 27.7 MILES SOUTH OF OURAY, UTAH			12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1302'	16. NUMBER OF ACRES IN LEASE: 600.00	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C	19. PROPOSED DEPTH: 8,160	20. BOND DESCRIPTION: RLB0005237 22013542		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5787'GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:		

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	32.3#	H-40	2,100	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	11.6#	I-80	8,160	1320 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

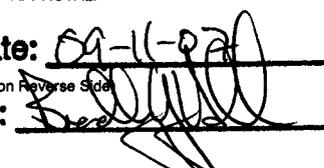
NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE  DATE 7/26/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-047-39484

Approved by the
Utah Division of
Oil, Gas and Mining

APPROVAL: _____
Date: 08-16-07
By: 

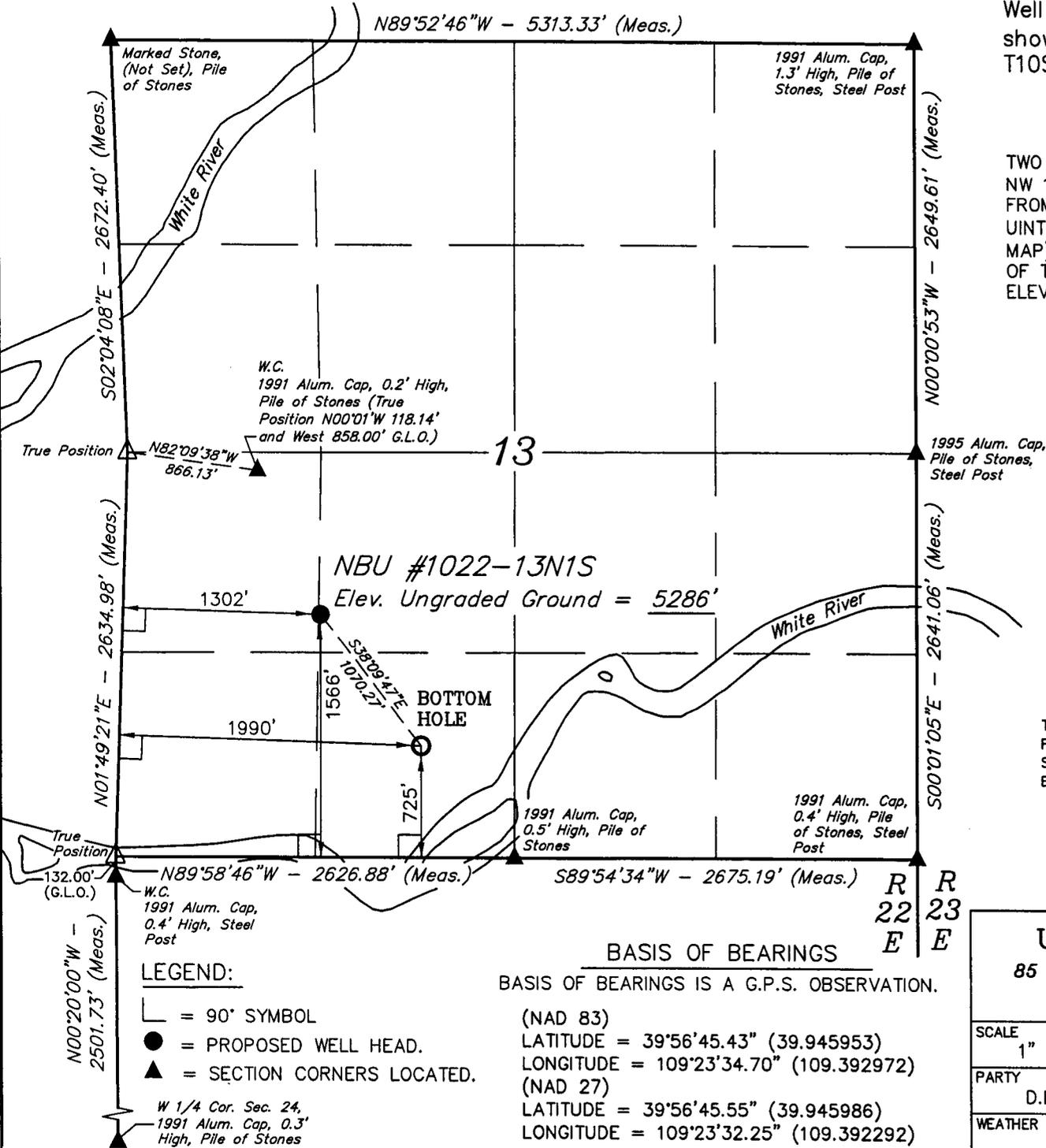
RECEIVED
AUG 06 2007

DIV. OF OIL, GAS & MINING

T10S, R22E, S.L.B.&M.

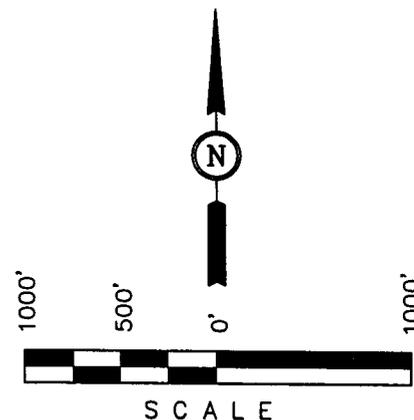
Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-13N1S, located as shown in the NE 1/4 SW 1/4 of Section 13, T10S, R22E, S.L.B.&M. Uintah County, Utah.



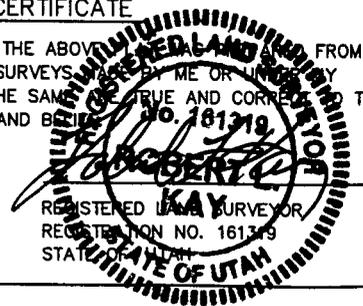
BASIS OF ELEVATION

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.



CERTIFICATE

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



BASIS OF BEARINGS

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

(NAD 83)
 LATITUDE = 39°56'45.43" (39.945953)
 LONGITUDE = 109°23'34.70" (109.392972)
 (NAD 27)
 LATITUDE = 39°56'45.55" (39.945986)
 LONGITUDE = 109°23'32.25" (109.392292)

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- W 1/4 Cor. Sec. 24, 1991 Alum. Cap, 0.3' High, Pile of Stones

UNTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 5-17-07	DATE DRAWN: 6-13-07
PARTY D.K. L.K. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 1022-13N1S
NE/SW SEC. 13, T10S, R22E
UINTAH COUNTY, UTAH
UTSTUO-08512-ST**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	918'
Top of Birds Nest Water	1244'
Mahogany	1600'
Wasatch	3968'
Mesaverde	6195'
MVU2	7030'
MVL1	7603'
TD	8160'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	918'
	Top of Birds Nest Water	1244'
	Mahogany	1600'
Gas	Wasatch	3968'
Gas	Mesaverde	6195'
Gas	MVU2	7030'
Gas	MVL1	7603'
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.

The operator will use fresh water mud with 0-8% Bio Diesel.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8160' TD, approximately equals 5059 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3264 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variances:**

Please refer to the attached Drilling Program.

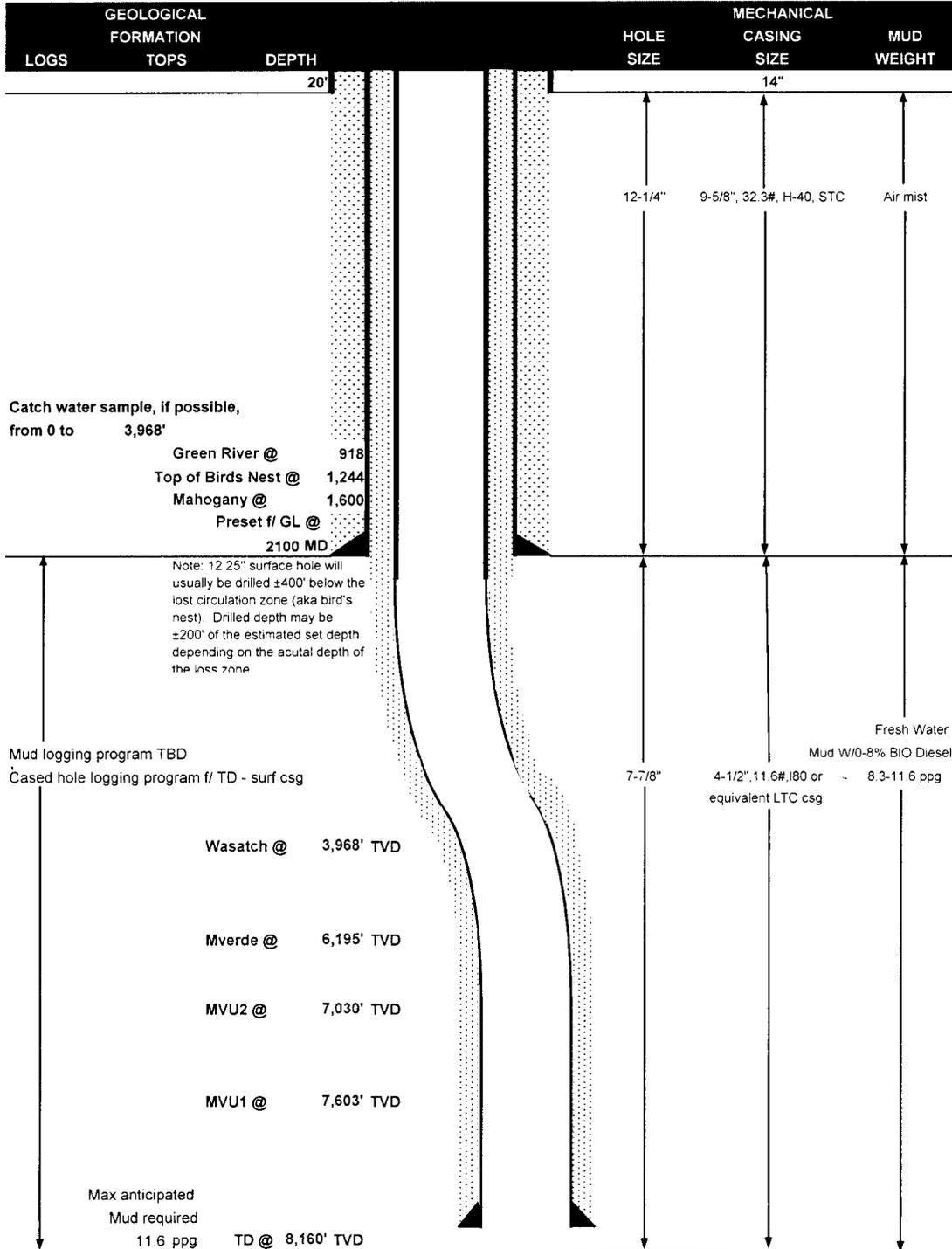
10. **Other Information:**

Please refer to the attached Drilling Program.

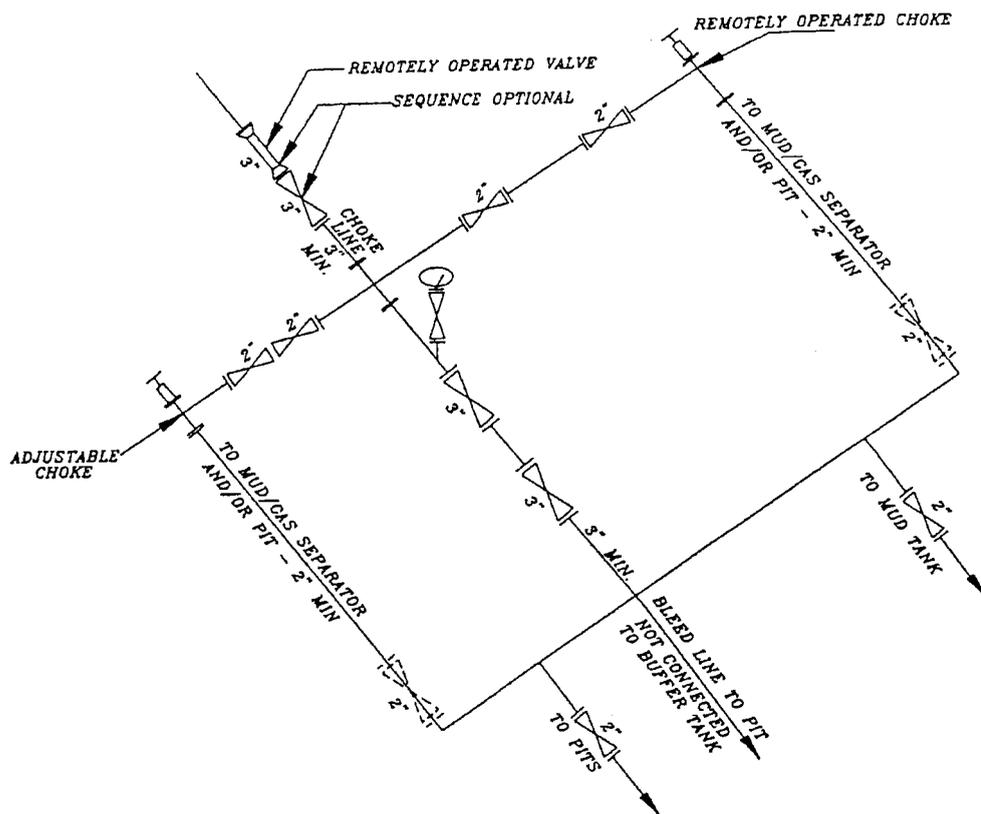
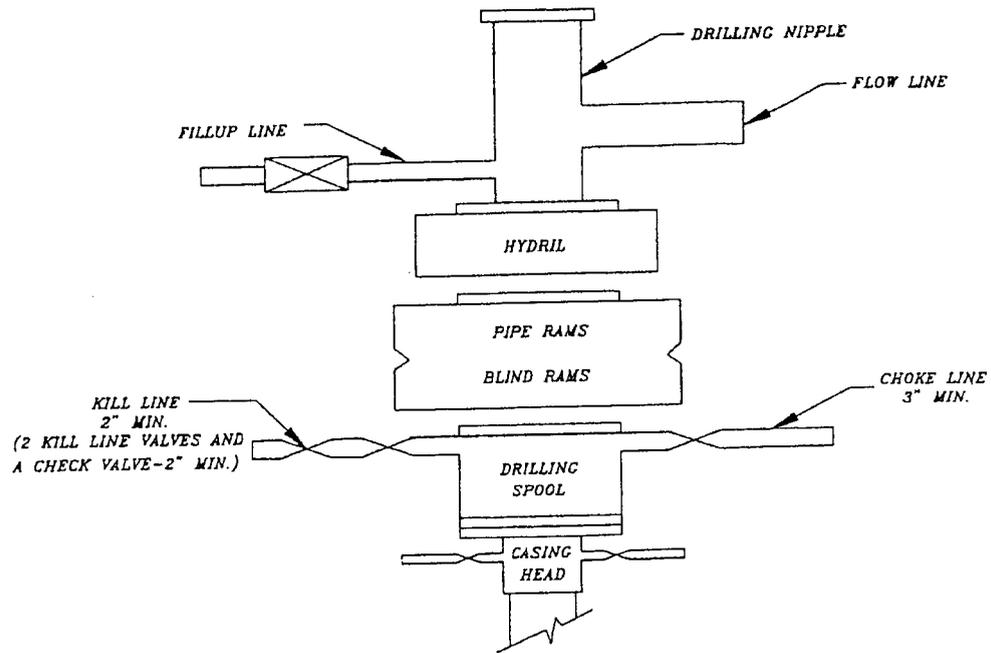


KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE July 31, 2007
 WELL NAME NBU 1022-13N1S TD 8,160' TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,287' GL KB 5,302'
 SURFACE LOCATION NE/SW SEC. 13, T10S, R22E 1566'FSL, 1302'FWL
 Latitude: 39.945953 Longitude: 109.392972
 BTM HOLE LOCATION NE/SE/SW SEC. 13, T10S, R22E 725'FSL, 1990'FWL
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: UDOGM (MINERALS AND SURFACE), BLM, Tri-County Health Dept.



5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 1022-13N1S
NE/SW SEC. 13, T10S, R22E
Uintah County, UT
UTSTUO-08512-ST**

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:

The operator will utilize an existing access road. Refer to Topo Map B for the location of the existing access road.

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.

A 30' rights of way will be required for approximately 12,184' +/- of 6" steel pipeline is proposed. The pipeline shall run from the location into Section 18, T10S, R23E (Lease #UTU-38421) and travel north into Sec. 7, T10S, R23E (Lease #UTU-49226) to tie-in to an existing pipeline. Refer to the attached Topo Map D for pipeline placement.

A 30' rights of way will be required for approximately 12,184' +/- of 10" steel pipeline is proposed. The pipeline shall run from the location into Section 18, T10S, R23E (Lease #UTU-38421) and travel north into Sec. 7, T10S, R23E (Lease #UTU-49226) to tie-in to an existing pipeline. Refer to the attached Topo Map D for pipeline placement.

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.

Due to difficult topography and proximity to the White River, the reserve pit will be constructed utilizing a double liner and felt. The liner will be approximately 60 mil in thickness versus our standard 20 mil and the reserve pit will also have a leak detection system installed between the liners.

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

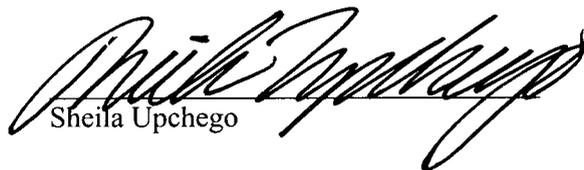
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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

7/31/2007
Date



Weatherford™

Drilling Services

Proposal



ANADARKO - KERR McGEE

NBU#1022-13N1S

UINTAH COUNTY, UTAH

WELL FILE: PLAN2

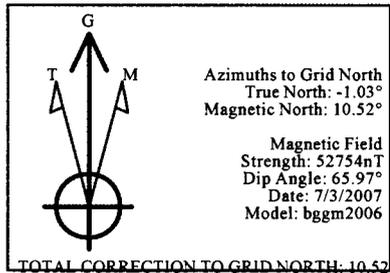
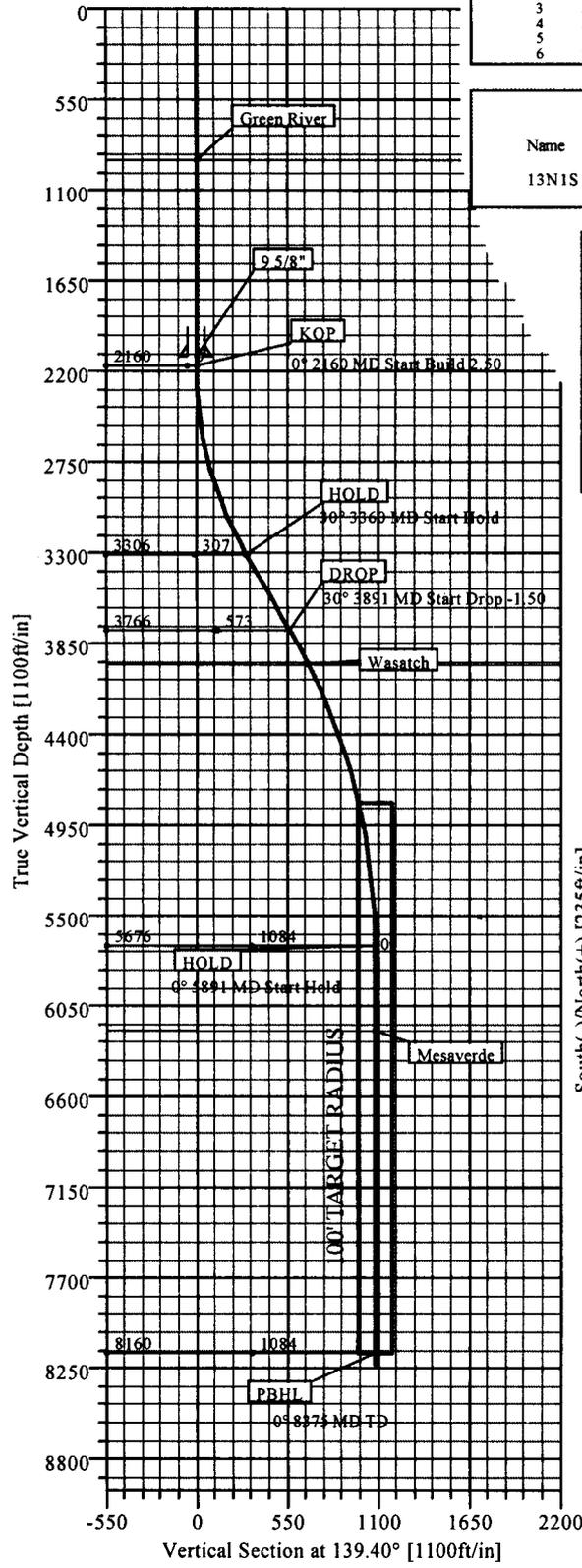
DATE: JULY 12, 2007

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Houston, Texas 77032 USA
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www.weatherford.com

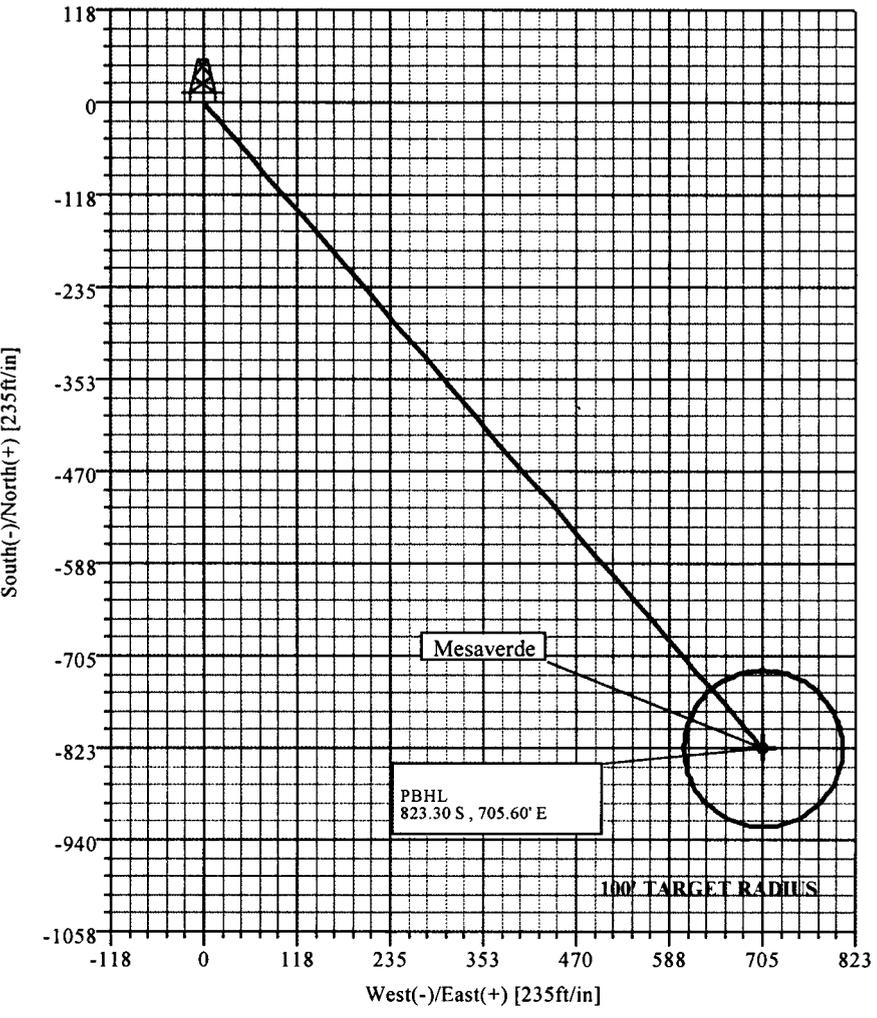
KB = 5302'
GR = 5287'

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	139.40	0.00	0.00	0.00	0.00	0.00	0.00	
2	2160.00	0.00	139.40	2160.00	0.00	0.00	0.00	0.00	0.00	
3	3360.00	30.00	139.40	3305.92	-233.14	199.81	2.50	139.40	307.05	
4	3891.00	30.00	139.40	3765.78	-434.73	372.58	0.00	0.00	572.55	
5	5891.00	0.00	139.40	5675.64	-823.30	705.60	1.50	180.00	1084.29	
6	8375.37	0.00	139.40	8160.00	-823.30	705.60	0.00	0.00	1084.29	PBHL 13N1S

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
13N1S	0.00	0.00	14510408.80	2090959.10	39°56'45.295N	109°23'33.215W	N/A



FIELD DETAILS
 UTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
 Geodetic System: Universal Transverse Mercator (USfeet)
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: UTM Zone 12, North 114W to 108W
 Magnetic Model: bggm2006
 System Datum: Mean Sea Level
 Local North: Grid North



Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee	Date: 7/13/2007	Time: 07:55:24	Page: 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 1022-13N1S, Grid North	
Site: NBU 1022-13N1S	Vertical (TVD) Reference:	SITE 5302.0	
Well: 13N1S	Section (VS) Reference:	Well (0.00N,0.00E,139.40Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Plan: Plan #2	Date Composed: 7/12/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Map System: Universal Transverse Mercator (USfeet)	Map Zone: UTM Zone 12, North 114W to 108W
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2006

Site: NBU 1022-13N1S

Site Position:	Northing: 14510408.80 ft	Latitude: 39 56 45.295 N	
From: Map	Easting: 2090959.10 ft	Longitude: 109 23 33.215 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 5287.00 ft		Grid Convergence: 1.03 deg	

Well: 13N1S **Slot Name:**

Well Position: +N/-S 0.00 ft	Northing: 14510408.80 ft	Latitude: 39 56 45.295 N	
+E/-W 0.00 ft	Easting: 2090959.10 ft	Longitude: 109 23 33.215 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 7/3/2007	Above System Datum: Mean Sea Level
Field Strength: 52754 nT	Declination: 11.55 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 65.97 deg
ft	ft
0.00	0.00
0.00	0.00
0.00	139.40

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	139.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2160.00	0.00	139.40	2160.00	0.00	0.00	0.00	0.00	0.00	0.00	
3360.00	30.00	139.40	3305.92	-233.14	199.81	2.50	2.50	0.00	139.40	
3891.00	30.00	139.40	3765.78	-434.73	372.58	0.00	0.00	0.00	0.00	
5891.00	0.00	139.40	5675.64	-823.30	705.60	1.50	-1.50	0.00	180.00	
8375.37	0.00	139.40	8160.00	-823.30	705.60	0.00	0.00	0.00	0.00	PBHL 13N1S

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
2100.00	0.00	139.40	2100.00	0.00	0.00	0.00	0.00	14510408.80	2090959.10	9 5/8"
2160.00	0.00	139.40	2160.00	0.00	0.00	0.00	0.00	14510408.80	2090959.10	KOP
2200.00	1.00	139.40	2200.00	-0.27	0.23	0.35	2.50	14510408.53	2090959.33	
2300.00	3.50	139.40	2299.91	-3.25	2.78	4.27	2.50	14510405.55	2090961.88	
2400.00	6.00	139.40	2399.56	-9.53	8.17	12.55	2.50	14510399.27	2090967.27	
2500.00	8.50	139.40	2498.75	-19.11	16.38	25.17	2.50	14510389.69	2090975.48	
2600.00	11.00	139.40	2597.30	-31.97	27.40	42.11	2.50	14510376.83	2090986.50	
2700.00	13.50	139.40	2695.02	-48.08	41.21	63.32	2.50	14510360.72	2091000.31	
2800.00	16.00	139.40	2791.71	-67.41	57.77	88.78	2.50	14510341.39	2091016.87	
2900.00	18.50	139.40	2887.21	-89.93	77.07	118.43	2.50	14510318.87	2091036.17	
3000.00	21.00	139.40	2981.32	-115.58	99.06	152.22	2.50	14510293.22	2091058.16	
3100.00	23.50	139.40	3073.87	-144.33	123.70	190.08	2.50	14510264.47	2091082.80	
3200.00	26.00	139.40	3164.67	-176.12	150.94	231.95	2.50	14510232.68	2091110.04	
3300.00	28.50	139.40	3253.57	-210.88	180.73	277.73	2.50	14510197.92	2091139.83	
3360.00	30.00	139.40	3305.92	-233.14	199.81	307.05	2.50	14510175.66	2091158.91	HOLD

Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee	Date: 7/13/2007	Time: 07:55:24	Page: 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 1022-13N1S, Grid North	
Site: NBU 1022-13N1S	Vertical (TVD) Reference:	SITE 5302.0	
Well: 13N1S	Section (VS) Reference:	Well (0.00N,0.00E,139.40Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
3400.00	30.00	139.40	3340.56	-248.33	212.82	327.05	0.00	14510160.47	2091171.92	
3500.00	30.00	139.40	3427.16	-286.29	245.36	377.05	0.00	14510122.51	2091204.46	
3600.00	30.00	139.40	3513.76	-324.26	277.90	427.05	0.00	14510084.54	2091237.00	
3700.00	30.00	139.40	3600.36	-362.22	310.44	477.05	0.00	14510046.58	2091269.54	
3800.00	30.00	139.40	3686.97	-400.18	342.97	527.05	0.00	14510008.62	2091302.07	
3891.00	30.00	139.40	3765.78	-434.73	372.58	572.55	0.00	14509974.07	2091331.68	DROP
3900.00	29.87	139.40	3773.57	-438.14	375.51	577.04	1.50	14509970.66	2091334.61	
4000.00	28.37	139.40	3860.94	-475.09	407.17	625.69	1.50	14509933.71	2091366.27	
4100.00	26.87	139.40	3949.54	-510.28	437.33	672.04	1.50	14509898.52	2091396.43	
4120.66	26.56	139.40	3968.00	-517.33	443.37	681.33	1.50	14509891.47	2091402.47	Wasatch
4200.00	25.37	139.40	4039.33	-543.70	465.97	716.06	1.50	14509865.10	2091425.07	
4300.00	23.87	139.40	4130.24	-575.33	493.08	757.71	1.50	14509833.47	2091452.18	
4400.00	22.37	139.40	4222.21	-605.13	518.62	796.97	1.50	14509803.67	2091477.72	
4500.00	20.87	139.40	4315.18	-633.10	542.59	833.80	1.50	14509775.70	2091501.69	
4600.00	19.37	139.40	4409.07	-659.22	564.97	868.19	1.50	14509749.58	2091524.07	
4700.00	17.87	139.40	4503.84	-683.45	585.75	900.11	1.50	14509725.35	2091544.85	
4800.00	16.37	139.40	4599.41	-705.80	604.90	929.54	1.50	14509703.00	2091564.00	
4900.00	14.87	139.40	4695.71	-726.23	622.41	956.46	1.50	14509682.57	2091581.51	
5000.00	13.37	139.40	4792.69	-744.75	638.28	980.85	1.50	14509664.05	2091597.38	
5015.03	13.14	139.40	4807.32	-747.37	640.52	984.29	1.50	14509661.43	2091599.62	ENTER TGT CYLINDER
5100.00	11.87	139.40	4890.28	-761.33	652.49	1002.68	1.50	14509647.47	2091611.59	
5200.00	10.37	139.40	4988.40	-775.97	665.04	1021.96	1.50	14509632.83	2091624.14	
5300.00	8.87	139.40	5086.99	-788.65	675.91	1038.66	1.50	14509620.15	2091635.01	
5400.00	7.37	139.40	5185.98	-799.37	685.09	1052.78	1.50	14509609.43	2091644.19	
5500.00	5.87	139.40	5285.32	-808.12	692.59	1064.30	1.50	14509600.68	2091651.69	
5600.00	4.37	139.40	5384.92	-814.89	698.39	1073.21	1.50	14509593.91	2091657.49	
5700.00	2.87	139.40	5484.71	-819.67	702.49	1079.52	1.50	14509589.13	2091661.59	
5800.00	1.37	139.40	5584.64	-822.48	704.89	1083.21	1.50	14509586.32	2091663.99	
5891.00	0.00	139.40	5675.64	-823.30	705.60	1084.29	1.50	14509585.50	2091664.70	HOLD
5900.00	0.00	139.40	5684.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6000.00	0.00	139.40	5784.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6100.00	0.00	139.40	5884.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6200.00	0.00	139.40	5984.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6300.00	0.00	139.40	6084.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6400.00	0.00	139.40	6184.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6410.37	0.00	139.40	6195.00	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	Mesaverde
6500.00	0.00	139.40	6284.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6600.00	0.00	139.40	6384.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6700.00	0.00	139.40	6484.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6800.00	0.00	139.40	6584.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
6900.00	0.00	139.40	6684.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7000.00	0.00	139.40	6784.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7100.00	0.00	139.40	6884.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7200.00	0.00	139.40	6984.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7300.00	0.00	139.40	7084.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7400.00	0.00	139.40	7184.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7500.00	0.00	139.40	7284.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7600.00	0.00	139.40	7384.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7700.00	0.00	139.40	7484.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7800.00	0.00	139.40	7584.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
7900.00	0.00	139.40	7684.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
8000.00	0.00	139.40	7784.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
8100.00	0.00	139.40	7884.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	

Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) Site: NBU 1022-13N1S Well: 13N1S Wellpath: 1	Date: 7/13/2007 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 07:55:24 Site: NBU 1022-13N1S, Grid North SITE: 5302.0 Well (0.00N,0.00E,139.40Azi) Minimum Curvature	Page: 3 Db: Sybase
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Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8200.00	0.00	139.40	7984.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
8300.00	0.00	139.40	8084.63	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	
8375.37	0.00	139.40	8160.00	-823.30	705.60	1084.29	0.00	14509585.50	2091664.70	PBHL 13N1S

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->				
								Deg	Min	Sec	Deg	Min	Sec		
PBHL 13N1S			8160.00	-823.30	705.60	14509585.50	2091664.70	39	56	37.033	N	109	23	24.347	W
	-Circle (Radius: 100)														
	-Plan hit target														

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2100.00	2100.00	9.62	12.25	9 5/8"

Annotation

MD ft	TVD ft	
2160.00	2160.00	KOP
3360.00	3305.92	HOLD
3891.00	3765.78	DROP
5015.03	4807.32	ENTER TGT CYLINDER
5891.00	5675.63	HOLD
8375.36	8159.99	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
918.00	918.00	Green River		0.00	0.00
4120.66	3968.00	Wasatch		0.00	0.00
6410.37	6195.00	Mesaverde		0.00	0.00

Weatherford Drilling Services

Anticollision Report



Company: Anadarko-Kerr-McGee **Date:** 7/12/2007 **Time:** 15:07:25 **Page:** 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
Reference Site: NBU 1022-13N1S **Co-ordinate(NE) Reference:** Site: NBU 1022-13N1S, Grid North
Reference Well: 13N1S **Vertical (TVD) Reference:** SITE 5302.0
Reference Wellpath: 1 **Db:** Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD **Interval:** 100.00 ft **Reference:** Plan: Plan #2
Depth Range: 0.00 to 8375.37 ft **Error Model:** ISCWSA Ellipse
Maximum Radius: 10000.00 ft **Scan Method:** Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #2 **Date Composed:** 7/12/2007
Principal: Yes **Version:** 1
Tied-to: From Surface

Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
NBU 1022-13M2CS	13M2CS	1 V0 Plan: Undefined	2200.00	2200.00	19.08	10.11	2.13	
NBU 1022-13N2S	13N2S	1 V0 Plan: Plan #1 V1	2300.00	2299.97	21.45	12.05	2.28	

Site: NBU 1022-13M2CS
Well: 13M2CS
Wellpath: 1 V0 Plan: Undefined **Inter-Site Error:** 0.00 ft

Reference MD ft	Reference TVD ft	Offset MD ft	Offset TVD ft	Semi-Major Axis Ref ft	Semi-Major Axis Offset ft	Semi-Major Axis TFO-HS deg	Offset Location North ft	Offset Location East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	221.61	-14.30	-12.70	19.13			No Data
100.00	100.00	100.00	100.00	0.09	0.09	221.61	-14.30	-12.70	19.13	18.95	107.43	
200.00	200.00	200.00	200.00	0.30	0.30	221.61	-14.30	-12.70	19.13	18.53	32.04	
300.00	300.00	300.00	300.00	0.51	0.51	221.61	-14.30	-12.70	19.13	18.11	18.83	
400.00	400.00	400.00	400.00	0.72	0.72	221.61	-14.30	-12.70	19.13	17.69	13.33	
500.00	500.00	500.00	500.00	0.93	0.93	221.61	-14.30	-12.70	19.13	17.27	10.32	
600.00	600.00	600.00	600.00	1.14	1.14	221.61	-14.30	-12.70	19.13	16.85	8.42	
700.00	700.00	700.00	700.00	1.35	1.35	221.61	-14.30	-12.70	19.13	16.43	7.11	
800.00	800.00	800.00	800.00	1.56	1.56	221.61	-14.30	-12.70	19.13	16.02	6.15	
900.00	900.00	900.00	900.00	1.76	1.76	221.61	-14.30	-12.70	19.13	15.60	5.42	
1000.00	1000.00	1000.00	1000.00	1.97	1.97	221.61	-14.30	-12.70	19.13	15.18	4.84	
1100.00	1100.00	1100.00	1100.00	2.18	2.18	221.61	-14.30	-12.70	19.13	14.76	4.38	
1200.00	1200.00	1200.00	1200.00	2.39	2.39	221.61	-14.30	-12.70	19.13	14.34	4.00	
1300.00	1300.00	1300.00	1300.00	2.60	2.60	221.61	-14.30	-12.70	19.13	13.92	3.67	
1400.00	1400.00	1400.00	1400.00	2.81	2.81	221.61	-14.30	-12.70	19.13	13.50	3.40	
1500.00	1500.00	1500.00	1500.00	3.02	3.02	221.61	-14.30	-12.70	19.13	13.08	3.17	
1600.00	1600.00	1600.00	1600.00	3.23	3.23	221.61	-14.30	-12.70	19.13	12.66	2.96	
1700.00	1700.00	1700.00	1700.00	3.44	3.44	221.61	-14.30	-12.70	19.13	12.25	2.78	
1800.00	1800.00	1800.00	1800.00	3.65	3.65	221.61	-14.30	-12.70	19.13	11.83	2.62	
1900.00	1900.00	1900.00	1900.00	3.86	3.86	221.61	-14.30	-12.70	19.13	11.41	2.48	
2000.00	2000.00	2000.00	2000.00	4.07	4.07	221.61	-14.30	-12.70	19.13	10.99	2.35	
2100.00	2100.00	2100.00	2100.00	4.28	4.28	221.61	-14.30	-12.70	19.13	10.57	2.24	
2200.00	2200.00	2200.00	2200.00	4.49	4.49	83.25	-14.30	-12.70	19.08	10.11	2.13	
2300.00	2299.91	2299.14	2299.12	4.70	4.69	94.64	-15.22	-13.81	20.47	11.08	2.18	
2400.00	2399.56	2397.36	2397.13	4.91	4.90	110.13	-19.25	-18.69	28.67	18.87	2.93	
2500.00	2498.75	2494.21	2493.32	5.14	5.12	119.99	-26.37	-27.30	44.61	34.41	4.37	
2600.00	2597.30	2589.04	2586.84	5.38	5.34	124.94	-36.33	-39.36	67.72	57.09	6.37	
2700.00	2695.02	2681.25	2676.93	5.66	5.59	127.31	-48.85	-54.51	97.42	86.33	8.79	
2800.00	2791.71	2770.37	2762.99	5.98	5.87	128.39	-63.56	-72.32	133.28	121.69	11.50	
2900.00	2887.21	2855.99	2844.57	6.35	6.18	128.75	-80.09	-92.32	174.95	162.79	14.39	
3000.00	2981.32	2937.80	2921.36	6.79	6.52	128.68	-98.05	-114.05	222.08	209.27	17.34	
3100.00	3073.87	3015.58	2993.19	7.31	6.90	128.32	-117.05	-137.05	274.30	260.75	20.25	
3200.00	3164.67	3089.21	3060.02	7.91	7.31	127.73	-136.74	-160.87	331.25	316.91	23.10	
3300.00	3253.57	3158.62	3121.88	8.60	7.75	126.95	-156.79	-185.14	392.59	377.28	25.65	
3400.00	3340.56	3223.96	3179.03	9.38	8.21	126.67	-176.96	-209.54	457.80	441.42	27.95	
3500.00	3427.16	3286.48	3232.67	10.21	8.69	127.08	-197.41	-234.30	525.17	507.75	30.15	

Weatherford Drilling Services

Anticollision Report



Company: Anadarko-Kerr-McGee **Date:** 7/12/2007 **Time:** 15:07:25 **Page:** 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
Reference Site: NBU 1022-13N1S **Co-ordinate(NE) Reference:** Site: NBU 1022-13N1S, Grid North
Reference Well: 13N1S **Vertical (TVD) Reference:** SITE 5302.0
Reference Wellpath: 1 **Db:** Sybase

Site: NBU 1022-13M2CS
Well: 13M2CS
Wellpath: 1 VO Plan: Undefined

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3600.00	3513.76	3346.50	3283.15	11.06	9.19	127.21	-218.09	-259.32	594.19	575.60	31.96	
3700.00	3600.36	3404.06	3330.58	11.94	9.70	127.16	-238.86	-284.46	664.76	644.96	33.58	
3800.00	3686.97	3459.21	3375.09	12.84	10.24	126.98	-259.61	-309.57	736.78	715.83	35.18	
3900.00	3773.57	3512.02	3416.80	13.74	10.77	126.85	-280.23	-334.53	810.17	788.07	36.66	
4000.00	3860.94	3576.21	3466.75	14.27	11.46	127.69	-305.91	-365.60	883.84	860.81	38.38	
4100.00	3949.54	3644.61	3519.95	14.80	12.20	128.35	-333.29	-398.74	956.49	932.46	39.79	
4200.00	4039.33	3713.95	3573.90	15.33	12.98	128.88	-361.05	-432.33	1028.08	1003.03	41.05	
4300.00	4130.24	3784.20	3628.54	15.86	13.77	129.31	-389.17	-466.36	1098.58	1072.63	42.34	
4400.00	4222.21	3855.30	3683.85	16.37	14.59	129.65	-417.63	-500.80	1168.00	1141.05	43.35	
4500.00	4315.18	3927.20	3739.78	16.85	15.42	129.91	-446.41	-535.63	1236.33	1208.41	44.27	
4600.00	4409.07	3999.85	3796.29	17.31	16.27	130.11	-475.50	-570.83	1303.57	1274.79	45.29	
4700.00	4503.84	4073.21	3853.35	17.75	17.14	130.25	-504.86	-606.36	1369.73	1340.01	46.10	
4800.00	4599.41	4147.21	3910.92	18.15	18.02	130.34	-534.48	-642.22	1434.80	1404.21	46.90	
4900.00	4695.71	4275.09	4011.75	18.51	19.19	129.82	-584.56	-702.82	1498.03	1466.25	47.13	
5000.00	4792.69	4461.11	4166.40	18.84	20.56	129.02	-650.35	-782.43	1555.50	1522.34	46.91	
5100.00	4890.28	4671.28	4351.39	19.14	21.94	128.46	-713.76	-859.17	1605.55	1571.14	46.66	
5200.00	4988.40	4905.25	4567.94	19.39	23.17	128.19	-770.00	-927.23	1646.86	1611.42	46.47	
5300.00	5086.99	5160.23	4813.54	19.61	24.07	128.26	-813.26	-979.58	1678.10	1642.03	46.52	
5400.00	5185.98	5430.40	5080.74	19.79	24.53	128.71	-837.90	-1009.40	1698.20	1661.94	46.84	
5500.00	5285.32	5635.15	5285.32	19.93	24.58	129.31	-842.03	-1014.40	1707.33	1663.55	39.00	
5600.00	5384.92	5734.75	5384.92	20.02	24.63	129.61	-842.03	-1014.40	1713.01	1669.18	39.08	
5700.00	5484.71	5834.55	5484.71	20.08	24.68	129.82	-842.03	-1014.40	1717.04	1673.17	39.14	
5800.00	5584.64	5934.48	5584.64	20.10	24.73	129.94	-842.03	-1014.40	1719.41	1675.52	39.18	
5900.00	5684.63	6034.47	5684.63	20.08	24.79	269.38	-842.03	-1014.40	1720.10	1672.34	36.02	
6000.00	5784.63	6134.47	5784.63	20.12	24.84	269.38	-842.03	-1014.40	1720.10	1672.24	35.94	
6100.00	5884.63	6234.47	5884.63	20.16	24.90	269.38	-842.03	-1014.40	1720.10	1672.14	35.87	
6200.00	5984.63	6334.47	5984.63	20.21	24.96	269.38	-842.03	-1014.40	1720.10	1672.04	35.79	
6300.00	6084.63	6434.47	6084.63	20.26	25.02	269.38	-842.03	-1014.40	1720.10	1671.93	35.71	
6400.00	6184.63	6534.47	6184.63	20.31	25.09	269.38	-842.03	-1014.40	1720.10	1671.82	35.62	
6500.00	6284.63	6634.47	6284.63	20.36	25.15	269.38	-842.03	-1014.40	1720.10	1671.70	35.54	
6600.00	6384.63	6734.47	6384.63	20.41	25.22	269.38	-842.03	-1014.40	1720.10	1671.58	35.45	
6700.00	6484.63	6834.47	6484.63	20.47	25.29	269.38	-842.03	-1014.40	1720.10	1671.46	35.36	
6800.00	6584.63	6934.47	6584.63	20.52	25.35	269.38	-842.03	-1014.40	1720.10	1671.33	35.27	
6900.00	6684.63	7034.47	6684.63	20.58	25.43	269.38	-842.03	-1014.40	1720.10	1671.20	35.17	
7000.00	6784.63	7134.47	6784.63	20.65	25.50	269.38	-842.03	-1014.40	1720.10	1671.06	35.08	
7100.00	6884.63	7234.47	6884.63	20.71	25.57	269.38	-842.03	-1014.40	1720.10	1670.93	34.98	
7200.00	6984.63	7334.47	6984.63	20.77	25.65	269.38	-842.03	-1014.40	1720.10	1670.78	34.88	
7300.00	7084.63	7434.47	7084.63	20.84	25.73	269.38	-842.03	-1014.40	1720.10	1670.64	34.78	
7400.00	7184.63	7534.47	7184.63	20.91	25.80	269.38	-842.03	-1014.40	1720.10	1670.49	34.67	
7500.00	7284.63	7634.47	7284.63	20.98	25.88	269.38	-842.03	-1014.40	1720.10	1670.34	34.57	
7600.00	7384.63	7734.47	7384.63	21.05	25.96	269.38	-842.03	-1014.40	1720.10	1670.19	34.46	
7700.00	7484.63	7834.47	7484.63	21.13	26.05	269.38	-842.03	-1014.40	1720.10	1670.03	34.35	
7800.00	7584.63	7934.47	7584.63	21.21	26.13	269.38	-842.03	-1014.40	1720.10	1669.87	34.24	
7900.00	7684.63	8034.47	7684.63	21.28	26.22	269.38	-842.03	-1014.40	1720.10	1669.71	34.13	
8000.00	7784.63	8134.47	7784.63	21.36	26.30	269.38	-842.03	-1014.40	1720.10	1669.54	34.02	
8100.00	7884.63	8234.47	7884.63	21.45	26.39	269.38	-842.03	-1014.40	1720.10	1669.37	33.90	
8200.00	7984.63	8334.47	7984.63	21.53	26.48	269.38	-842.03	-1014.40	1720.10	1669.19	33.79	
8300.00	8084.63	8434.47	8084.63	21.61	26.57	269.38	-842.03	-1014.40	1720.10	1669.02	33.67	
8375.37	8160.00	8509.83	8160.00	21.68	26.64	269.38	-842.03	-1014.40	1720.10	1668.88	33.58	

Weatherford Drilling Services

Anticollision Report



Company:	Anadarko-Kerr-McGee	Date:	7/12/2007	Time:	15:07:25	Page:	3	
Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 1022-13N1S, Grid North					
Reference Site:	NBU 1022-13N1S	Vertical (TVD) Reference:	SITE 5302.0					
Reference Well:	13N1S						Db:	Sybase
Reference Wellpath:	1							

Site: NBU 1022-13N2S
Well: 13N2S
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
0.00	0.00	0.00	0.00	0.00	0.00	41.66	15.40	13.70	20.61			No Data
100.00	100.00	100.00	100.00	0.09	0.09	41.66	15.40	13.70	20.61	20.43	115.78	
200.00	200.00	200.00	200.00	0.30	0.30	41.66	15.40	13.70	20.61	20.01	34.53	
300.00	300.00	300.00	300.00	0.51	0.51	41.66	15.40	13.70	20.61	19.60	20.29	
400.00	400.00	400.00	400.00	0.72	0.72	41.66	15.40	13.70	20.61	19.18	14.37	
500.00	500.00	500.00	500.00	0.93	0.93	41.66	15.40	13.70	20.61	18.76	11.12	
600.00	600.00	600.00	600.00	1.14	1.14	41.66	15.40	13.70	20.61	18.34	9.07	
700.00	700.00	700.00	700.00	1.35	1.35	41.66	15.40	13.70	20.61	17.92	7.66	
800.00	800.00	800.00	800.00	1.56	1.56	41.66	15.40	13.70	20.61	17.50	6.63	
900.00	900.00	900.00	900.00	1.76	1.76	41.66	15.40	13.70	20.61	17.08	5.84	
1000.00	1000.00	1000.00	1000.00	1.97	1.97	41.66	15.40	13.70	20.61	16.66	5.22	
1100.00	1100.00	1100.00	1100.00	2.18	2.18	41.66	15.40	13.70	20.61	16.25	4.72	
1200.00	1200.00	1200.00	1200.00	2.39	2.39	41.66	15.40	13.70	20.61	15.83	4.31	
1300.00	1300.00	1300.00	1300.00	2.60	2.60	41.66	15.40	13.70	20.61	15.41	3.96	
1400.00	1400.00	1400.00	1400.00	2.81	2.81	41.66	15.40	13.70	20.61	14.99	3.67	
1500.00	1500.00	1500.00	1500.00	3.02	3.02	41.66	15.40	13.70	20.61	14.57	3.41	
1600.00	1600.00	1600.00	1600.00	3.23	3.23	41.66	15.40	13.70	20.61	14.15	3.19	
1700.00	1700.00	1700.00	1700.00	3.44	3.44	41.66	15.40	13.70	20.61	13.73	3.00	
1800.00	1800.00	1800.00	1800.00	3.65	3.65	41.66	15.40	13.70	20.61	13.31	2.82	
1900.00	1900.00	1900.00	1900.00	3.86	3.86	41.66	15.40	13.70	20.61	12.89	2.67	
2000.00	2000.00	2000.00	2000.00	4.07	4.07	41.66	15.40	13.70	20.61	12.48	2.53	
2100.00	2100.00	2100.00	2100.00	4.28	4.28	41.66	15.40	13.70	20.61	12.06	2.41	
2200.00	2200.00	2200.00	2200.00	4.49	4.49	261.30	15.40	13.70	20.66	11.69	2.30	
2300.00	2299.91	2299.97	2299.94	4.70	4.70	256.76	14.07	15.43	21.45	12.05	2.28	
2400.00	2399.56	2400.00	2399.74	4.91	4.91	253.03	10.09	20.62	23.24	13.42	2.37	
2500.00	2498.75	2500.07	2499.22	5.14	5.13	250.37	3.46	29.26	25.99	15.73	2.53	
2600.00	2597.30	2600.19	2598.16	5.38	5.36	248.73	-5.82	41.35	29.65	18.91	2.76	
2700.00	2695.02	2700.33	2696.36	5.66	5.63	247.92	-17.72	56.86	34.19	22.91	3.03	
2800.00	2791.71	2800.48	2793.64	5.98	5.93	247.73	-32.22	75.75	39.57	27.68	3.33	
2900.00	2887.21	2900.64	2889.77	6.35	6.28	247.94	-49.29	98.00	45.78	33.19	3.64	
3000.00	2981.32	3000.78	2984.59	6.79	6.69	248.42	-68.91	123.56	52.82	39.40	3.94	
3100.00	3073.87	3100.86	3077.85	7.31	7.18	249.03	-90.99	152.34	60.68	46.27	4.21	
3200.00	3164.67	3200.41	3170.01	7.91	7.72	247.56	-113.90	182.19	69.83	54.38	4.52	
3300.00	3253.57	3299.64	3261.88	8.60	8.29	243.69	-136.74	211.96	80.88	64.47	4.93	
3400.00	3340.56	3398.42	3353.33	9.38	8.89	238.61	-159.47	241.58	94.26	76.87	5.42	
3500.00	3427.16	3497.09	3444.68	10.21	9.51	234.34	-182.18	271.17	108.69	90.31	5.91	
3600.00	3513.76	3595.76	3536.03	11.06	10.15	231.08	-204.89	300.77	123.56	104.19	6.38	
3700.00	3600.36	3694.43	3627.38	11.94	10.80	228.53	-227.60	330.36	138.75	118.37	6.81	
3800.00	3686.97	3793.11	3718.73	12.84	11.47	226.48	-250.30	359.95	154.15	132.76	7.21	
3900.00	3773.57	3891.78	3810.08	13.74	12.14	224.79	-273.01	389.55	169.70	147.30	7.58	
4000.00	3860.94	3990.66	3901.61	14.27	12.83	223.58	-295.77	419.20	184.27	161.13	7.97	
4100.00	3949.54	4089.83	3993.43	14.80	13.52	223.06	-318.59	448.95	196.99	173.02	8.22	
4200.00	4039.33	4187.18	4083.75	15.33	14.08	222.97	-340.69	477.74	208.15	183.39	8.41	
4300.00	4130.24	4283.44	4173.90	15.86	14.41	222.86	-361.24	504.52	218.79	193.49	8.65	
4400.00	4222.21	4379.59	4264.77	16.37	14.71	222.69	-380.38	529.46	229.01	203.21	8.88	
4500.00	4315.18	4475.64	4356.30	16.85	14.99	222.47	-398.09	552.55	238.79	212.53	9.09	
4600.00	4409.07	4571.57	4448.42	17.31	15.25	222.21	-414.39	573.78	248.13	221.45	9.30	
4700.00	4503.84	4667.40	4541.08	17.75	15.49	221.91	-429.25	593.15	257.02	229.98	9.51	
4800.00	4599.41	4763.11	4634.21	18.15	15.71	221.58	-442.68	610.65	265.47	238.13	9.71	
4900.00	4695.71	4858.72	4727.76	18.51	15.90	221.22	-454.68	626.28	273.47	245.88	9.91	
5000.00	4792.69	4954.21	4821.67	18.84	16.07	220.83	-465.23	640.03	281.03	253.25	10.12	

Weatherford Drilling Services

Anticollision Report



Company: Anadarko-Kerr-McGee **Date:** 7/12/2007 **Time:** 15:07:25 **Page:** 4
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
Reference Site: NBU 1022-13N1S **Co-ordinate(NE) Reference:** Site: NBU 1022-13N1S, Grid North
Reference Well: 13N1S **Vertical (TVD) Reference:** SITE 5302.0
Reference Wellpath: 1 **Db:** Sybase

Site: NBU 1022-13N2S
Well: 13N2S
Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East				
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
5100.00	4890.28	5049.59	4915.87	19.14	16.20	220.40	-474.34	651.90	288.13	260.24	10.33	
5200.00	4988.40	5144.86	5010.30	19.39	16.30	219.95	-482.01	661.90	294.80	266.85	10.55	
5300.00	5086.99	5240.02	5104.90	19.61	16.38	219.47	-488.23	670.01	301.01	273.09	10.78	
5400.00	5185.98	5335.06	5199.62	19.79	16.42	218.97	-493.01	676.24	306.79	278.95	11.02	
5500.00	5285.32	5429.99	5294.38	19.93	16.43	218.44	-496.36	680.60	312.12	284.43	11.27	
5600.00	5384.92	5524.81	5389.15	20.02	16.40	217.88	-498.26	683.08	317.02	289.56	11.54	
5700.00	5484.71	5620.38	5484.71	20.08	16.36	217.29	-498.76	683.73	321.46	299.82	14.85	
5800.00	5584.64	5720.31	5584.64	20.10	16.38	216.86	-498.76	683.73	324.41	302.86	15.05	
5900.00	5684.63	5820.30	5684.63	20.08	16.45	356.14	-498.76	683.73	325.28	309.24	20.28	
6000.00	5784.63	5920.30	5784.63	20.12	16.52	356.14	-498.76	683.73	325.28	308.99	19.97	
6100.00	5884.63	6020.30	5884.63	20.16	16.60	356.14	-498.76	683.73	325.28	308.73	19.66	
6200.00	5984.63	6120.30	5984.63	20.21	16.68	356.14	-498.76	683.73	325.28	308.47	19.35	
6300.00	6084.63	6220.30	6084.63	20.26	16.76	356.14	-498.76	683.73	325.28	308.20	19.05	
6400.00	6184.63	6320.30	6184.63	20.31	16.85	356.14	-498.76	683.73	325.28	307.92	18.74	
6500.00	6284.63	6420.30	6284.63	20.36	16.94	356.14	-498.76	683.73	325.28	307.64	18.44	
6600.00	6384.63	6520.30	6384.63	20.41	17.02	356.14	-498.76	683.73	325.28	307.35	18.15	
6700.00	6484.63	6620.30	6484.63	20.47	17.11	356.14	-498.76	683.73	325.28	307.06	17.86	
6800.00	6584.63	6720.30	6584.63	20.52	17.21	356.14	-498.76	683.73	325.28	306.77	17.57	
6900.00	6684.63	6820.30	6684.63	20.58	17.30	356.14	-498.76	683.73	325.28	306.46	17.29	
7000.00	6784.63	6920.30	6784.63	20.65	17.40	356.14	-498.76	683.73	325.28	306.16	17.02	
7100.00	6884.63	7020.30	6884.63	20.71	17.50	356.14	-498.76	683.73	325.28	305.85	16.74	
7200.00	6984.63	7120.30	6984.63	20.77	17.60	356.14	-498.76	683.73	325.28	305.54	16.48	
7300.00	7084.63	7220.30	7084.63	20.84	17.70	356.14	-498.76	683.73	325.28	305.22	16.22	
7400.00	7184.63	7320.30	7184.63	20.91	17.81	356.14	-498.76	683.73	325.28	304.90	15.96	
7500.00	7284.63	7420.30	7284.63	20.98	17.91	356.14	-498.76	683.73	325.28	304.57	15.71	
7600.00	7384.63	7520.30	7384.63	21.05	18.02	356.14	-498.76	683.73	325.28	304.24	15.47	
7700.00	7484.63	7620.30	7484.63	21.13	18.13	356.14	-498.76	683.73	325.28	303.91	15.23	
7800.00	7584.63	7720.30	7584.63	21.21	18.24	356.14	-498.76	683.73	325.28	303.58	14.99	
7900.00	7684.63	7820.30	7684.63	21.28	18.36	356.14	-498.76	683.73	325.28	303.24	14.76	
8000.00	7784.63	7920.30	7784.63	21.36	18.47	356.14	-498.76	683.73	325.28	302.90	14.54	
8100.00	7884.63	8020.30	7884.63	21.45	18.59	356.14	-498.76	683.73	325.28	302.56	14.32	
8200.00	7984.63	8120.30	7984.63	21.53	18.71	356.14	-498.76	683.73	325.28	302.22	14.11	
8300.00	8084.63	8220.30	8084.63	21.61	18.83	356.14	-498.76	683.73	325.28	301.87	13.90	
8375.37	8160.00	8295.67	8160.00	21.68	18.92	356.14	-498.76	683.73	325.28	301.60	13.74	

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
#1022-13D4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S, #1022-
13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S, #1022-13M2AS,
#1022-13N2S, #1022-13N1S, #1022-13M2CS & #1022-13M1S
SECTION 13, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 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 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.7 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S

LOCATED IN UINTAH COUNTY, UTAH
 SECTION 13, T10S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF EXISTING ACCESS

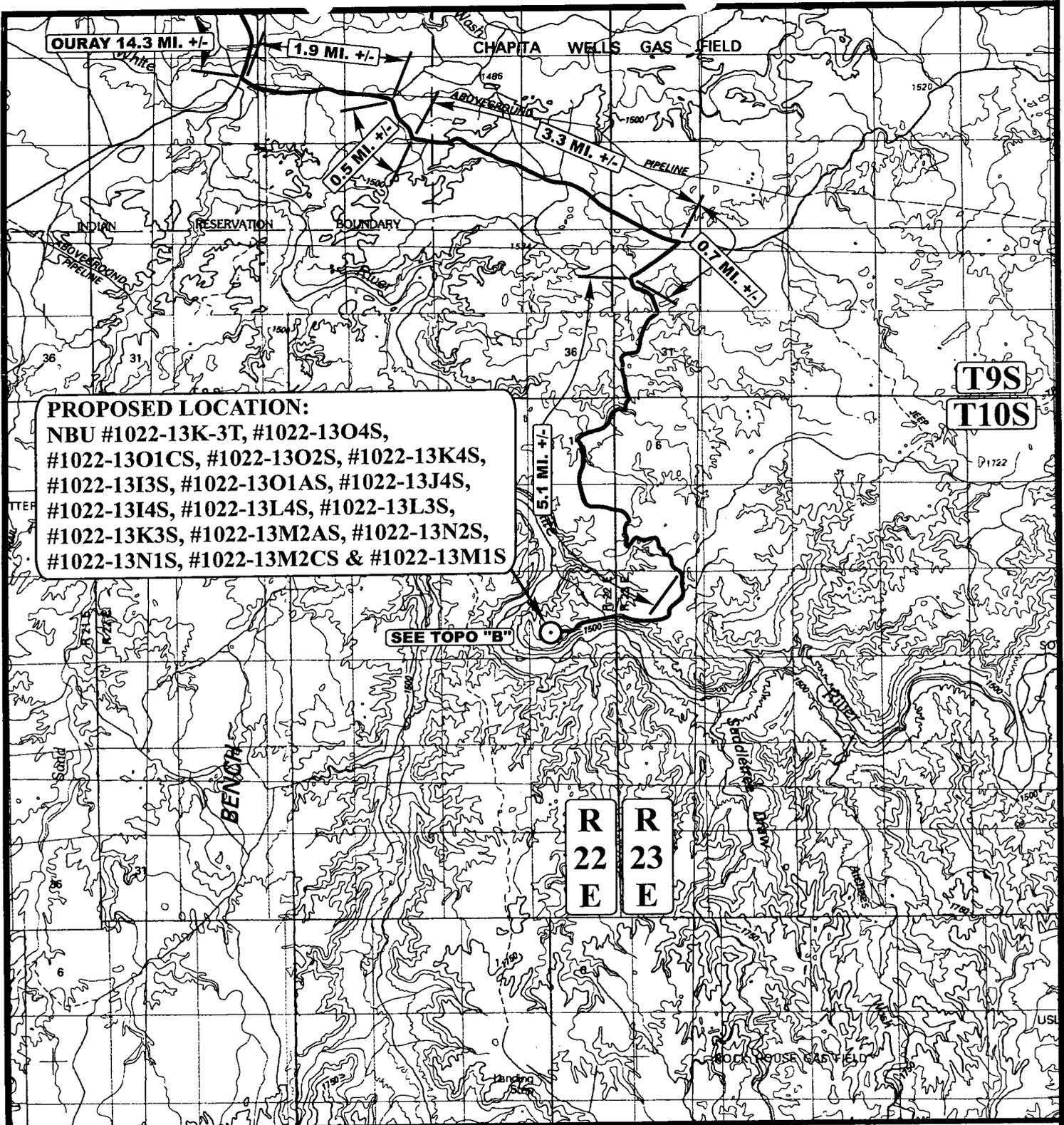
CAMERA ANGLE: WESTERLY



- Since 1964 -

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

LOCATION PHOTOS			05	17	07	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00				



PROPOSED LOCATION:
 NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S

LEGEND:
 ○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

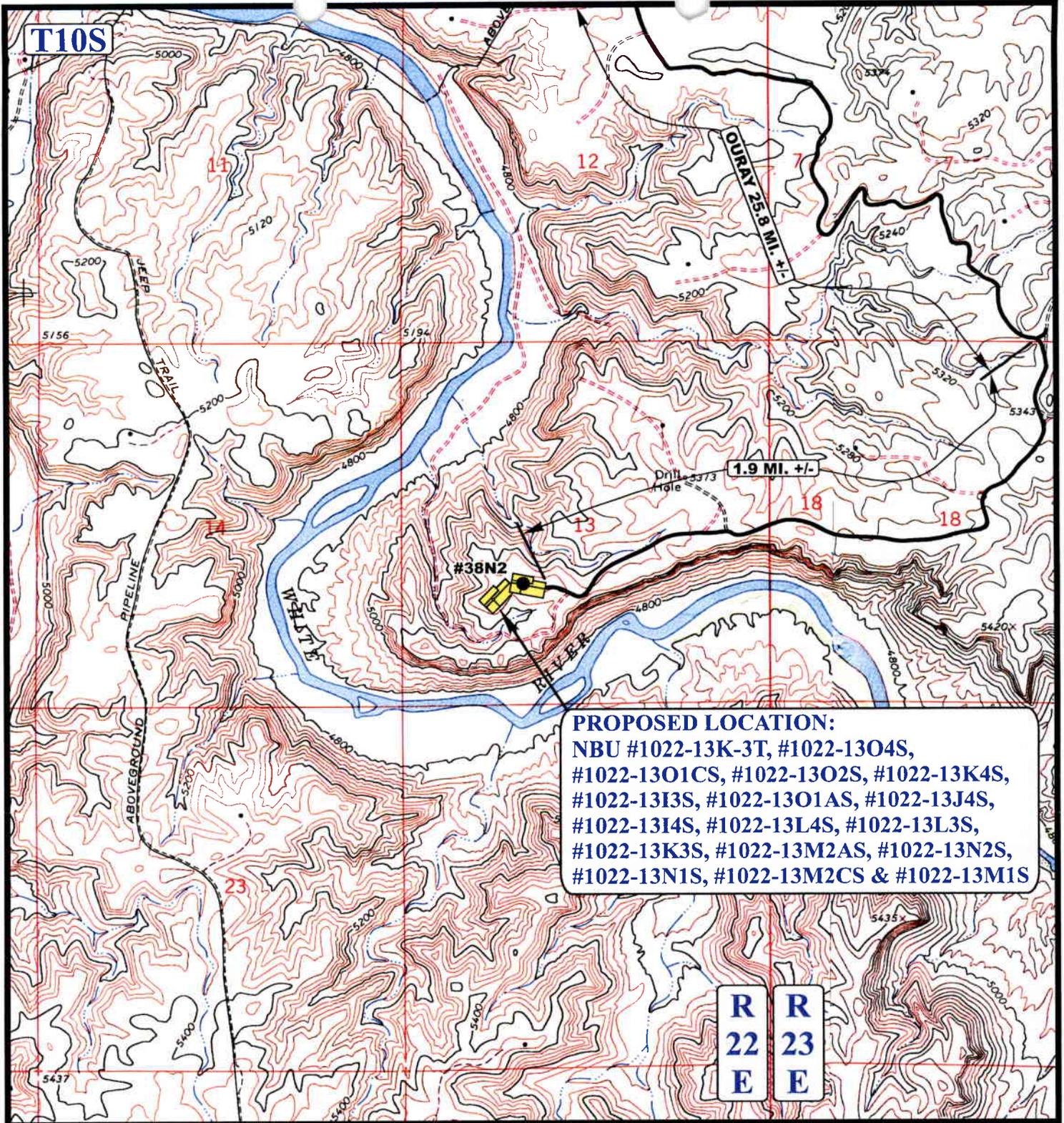
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 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S
 SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4



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

TOPOGRAPHIC MAP
 05 17 07
 MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





PROPOSED LOCATION:
 NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S

R
22
E

R
23
E

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

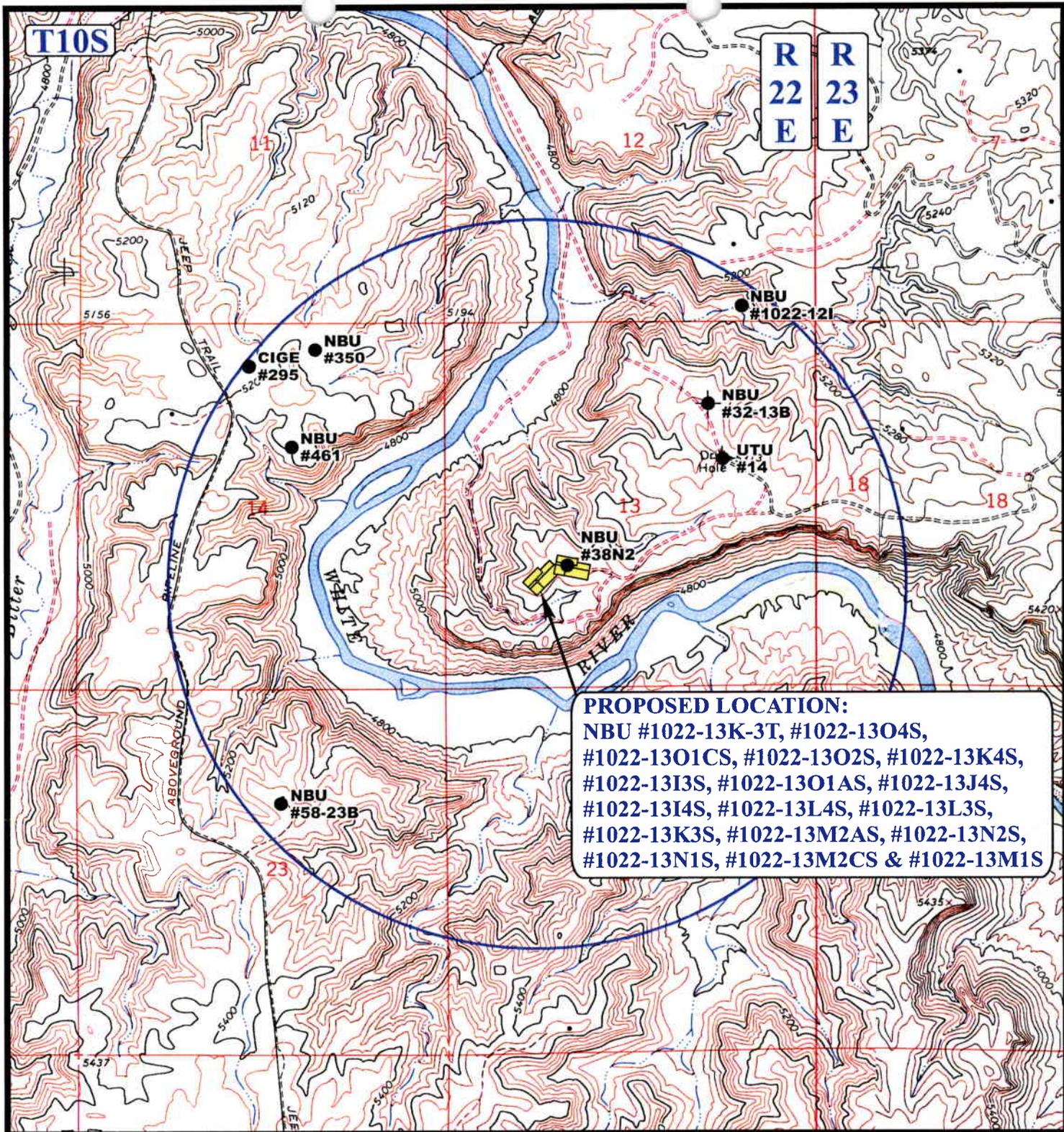
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 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S

SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4

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

TOPOGRAPHIC MAP 05 17 07
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
 TOPO



PROPOSED LOCATION:
 NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S

Kerr-McGee Oil & Gas Onshore LP

NBU#1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S

SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4

LEGEND:

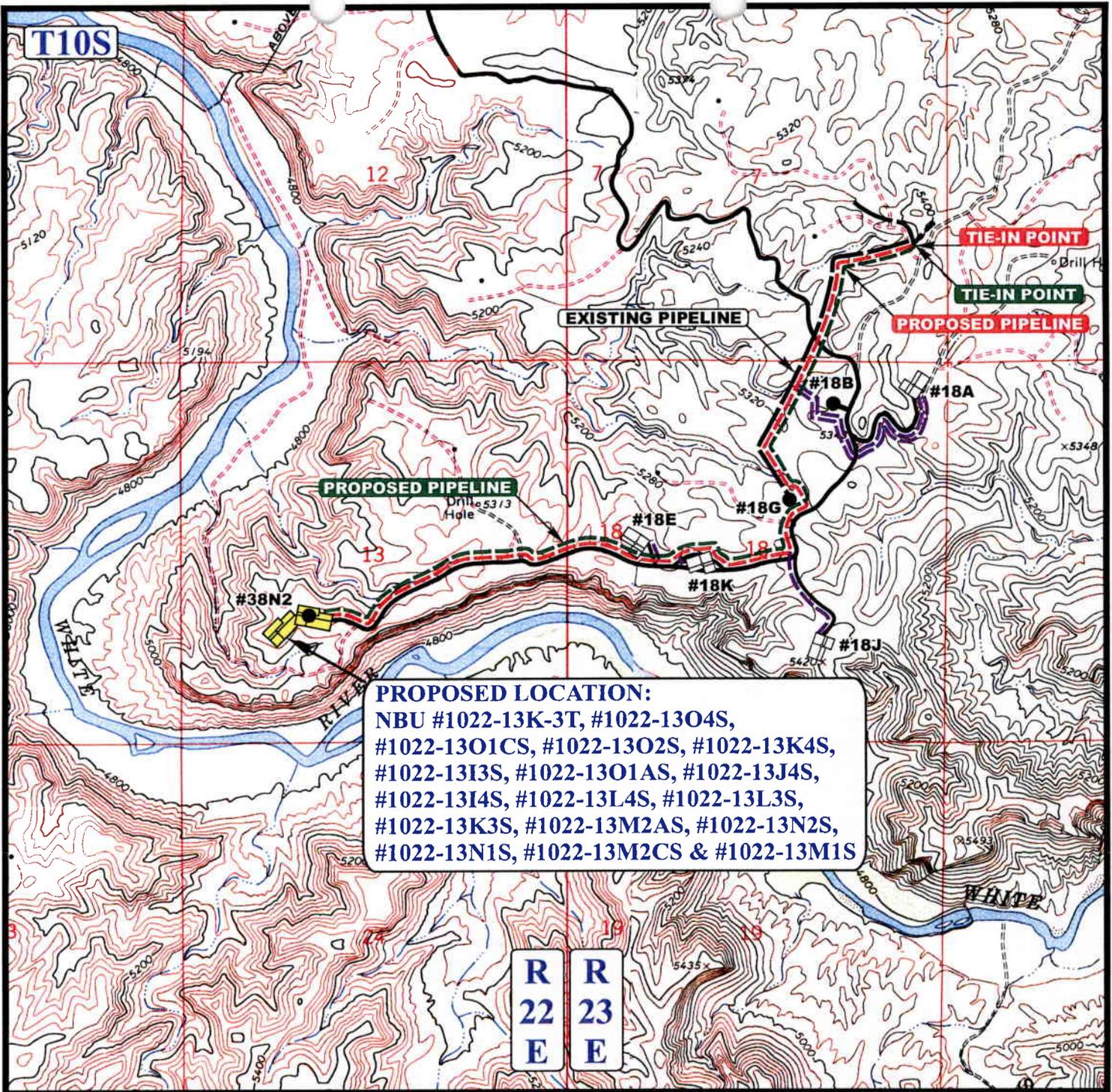
- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- ⊖ SHUT IN WELLS
- ⊘ WATER WELLS
- ⊖ ABANDONED WELLS
- ⊖ TEMPORARILY ABANDONED



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TOPOGRAPHIC MAP 05 17 07
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





PROPOSED LOCATION:
 NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S

APPROXIMATE TOTAL 10" PIPELINE DISTANCE = 12,184' +/-

APPROXIMATE TOTAL 6" PIPELINE DISTANCE = 12,184' +/-

Kerr-McGee Oil & Gas Onshore LP

NBU#1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S

SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4

LEGEND:

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



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

TOPOGRAPHIC
MAP

05 17 07
 MONTH DAY YEAR



SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 07-19-07

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-13K-3T, #1022-13O4S, #1022-13O1CS, #1022-13O2S,
#1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
#1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
#1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
& #1022-13M1S

PIPELINE ALIGNMENT
LOCATED IN UINTAH COUNTY, UTAH
SECTION 13, T10S, R22E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: WESTERLY



U
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- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

05 17 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00

INTERFERENCE DETAIL FOR

NBU #1022-13K-3T, #1022-1304S,
#1022-1301CS, #1022-1302S, #1022-13K4S,
#1022-13I3S, #1022-1301AS, #1022-13J4S,
#1022-13I4S, #1022-13L4S, #1022-13L3S,
#1022-13K3S, #1022-13M2AS, #1022-13N2S,
#1022-13N1S, #1022-13M2CS & #1022-13M1S
SECTION 13, T10S, R22E, S.L.B.&M.
SW 1/4

SCALE: 1" = 50'
DATE: 6-13-07
Drawn By: K.G.

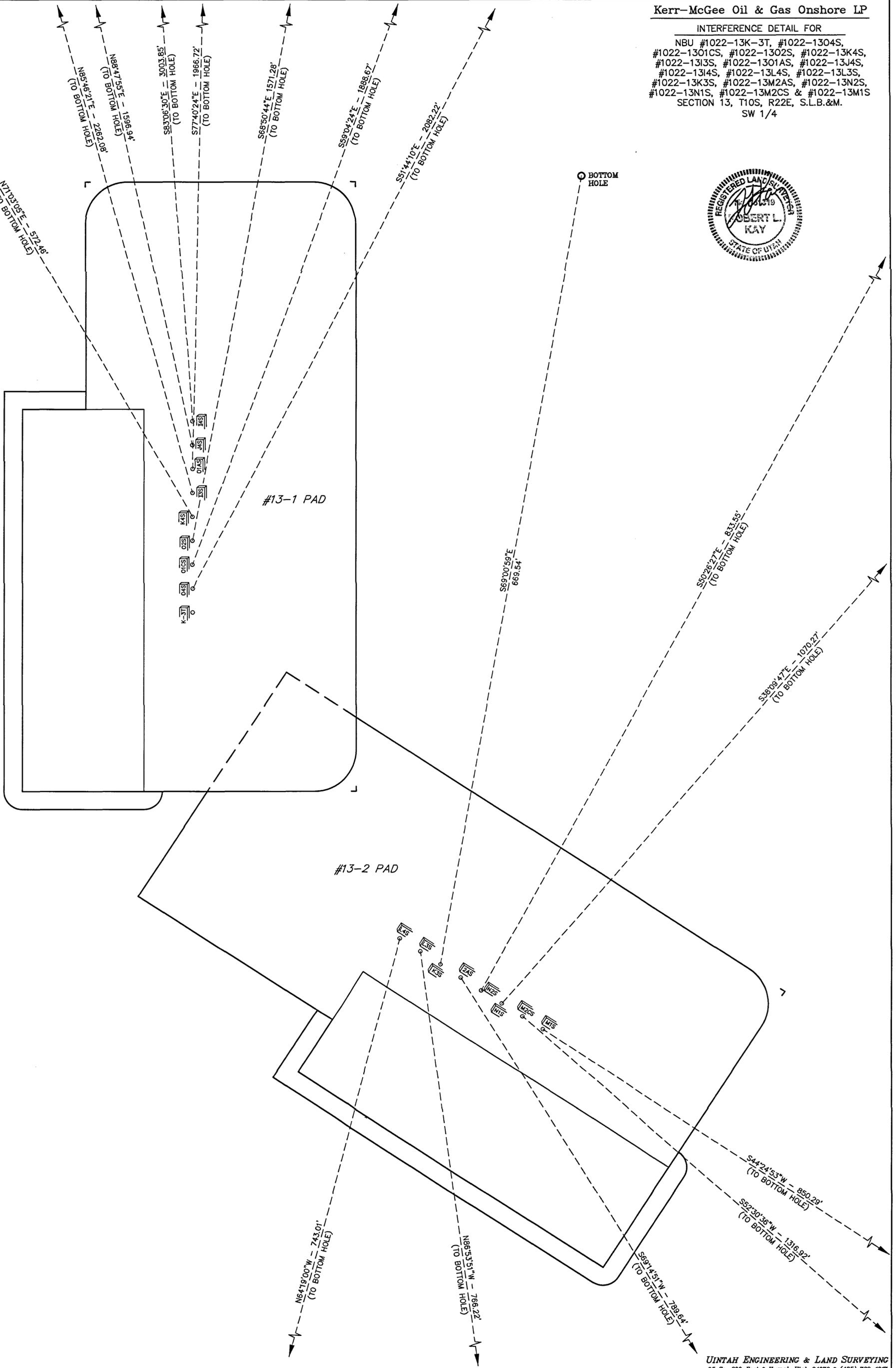


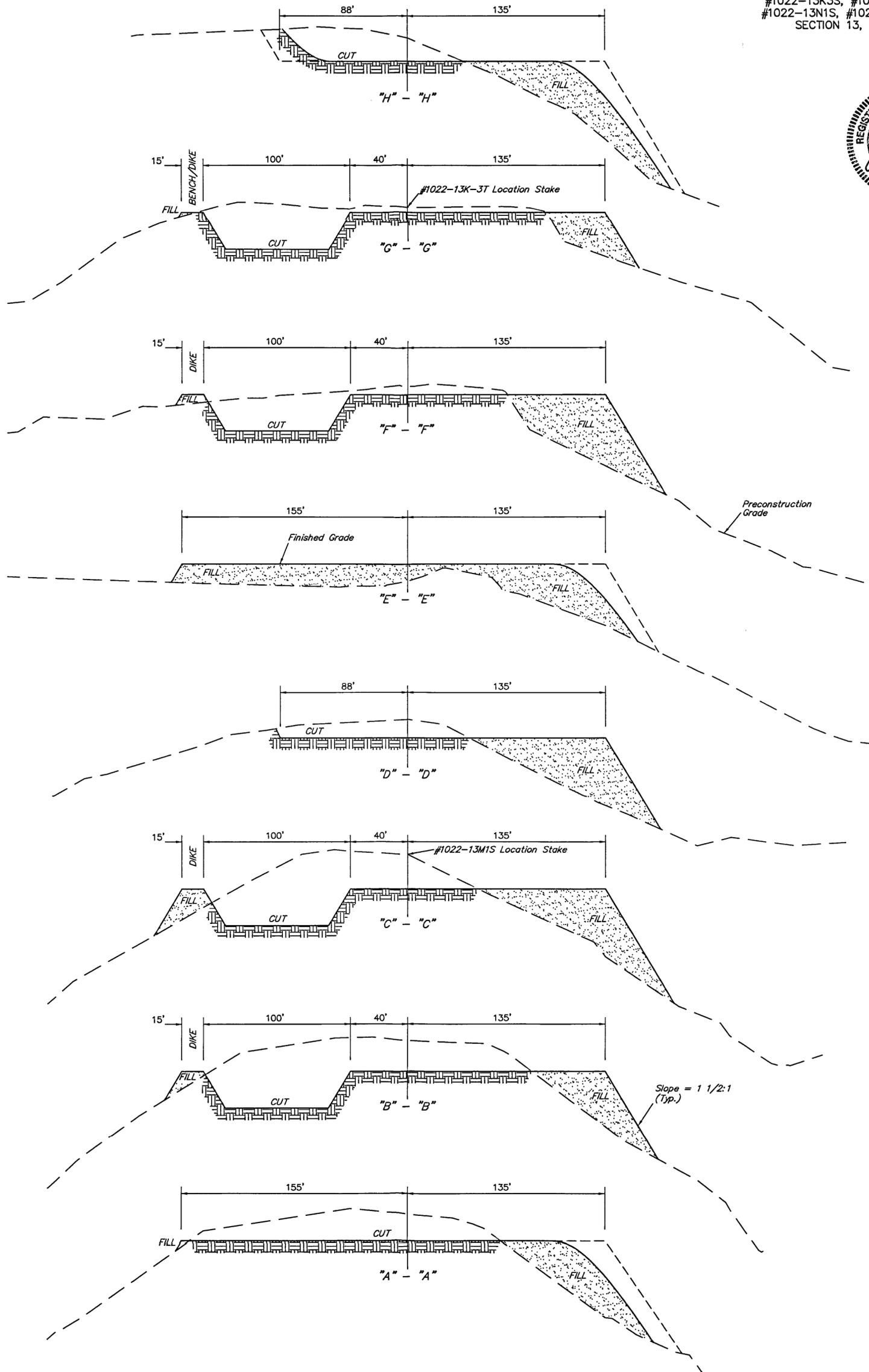
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1022-13K-3T, #1022-13O4S,
 #1022-13O1CS, #1022-13O2S, #1022-13K4S,
 #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S
 SECTION 13, T10S, R22E, S.L.B.&M.
 SW 1/4



1" = 20'
 X-Section
 Scale
 1" = 50'
 DATE: 6-13-07
 Drawn By: K.G.



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

APPROXIMATE YARDAGES FOR #13-1 PAD

CUT	
(6") Topsoil Stripping	= 3,160 Cu. Yds.
Remaining Location	= 18,230 Cu. Yds.
TOTAL CUT	= 21,390 CU.YDS.
FILL	= 13,580 CU.YDS.
EXCESS MATERIAL	= 7,810 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 7,810 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

APPROXIMATE YARDAGES FOR #13-2 PAD

CUT	
(6") Topsoil Stripping	= 2,860 Cu. Yds.
Remaining Location	= 24,050 Cu. Yds.
TOTAL CUT	= 26,910 CU.YDS.
FILL	= 19,710 CU.YDS.
EXCESS MATERIAL	= 7,200 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 7,200 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

* NOTE:
 FILL QUANTITY INCLUDES
 5% FOR COMPACTION

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/06/2007

API NO. ASSIGNED: 43-047-39484

WELL NAME: NBU 1022-13N1S
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	9/7/07
Geology		
Surface		

SESW

NESW 13 100S 220E
 SURFACE: 1566 FSL 1302 FWL
 BOTTOM: 0725 FSL 1990 FWL
 COUNTY: UINTAH
 LATITUDE: 39.94597 LONGITUDE: -109.3924
 UTM SURF EASTINGS: 637340 NORTHINGS: 4422787
 FIELD NAME: NATURAL BUTTES (630)

LEASE TYPE: 3 - State
 LEASE NUMBER: STUO-08512-ST
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

- ____ R649-2-3.
- Unit: NATURAL BUTTES
- ____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ____ R649-3-3. Exception
- Drilling Unit
Board Cause No: 173-14
Eff Date: 12-26-99
Siting: 400' fr u bdr of uncrmm-TRACT
- R649-3-11. Directional Drill

COMMENTS: Need Pres 06-27-07

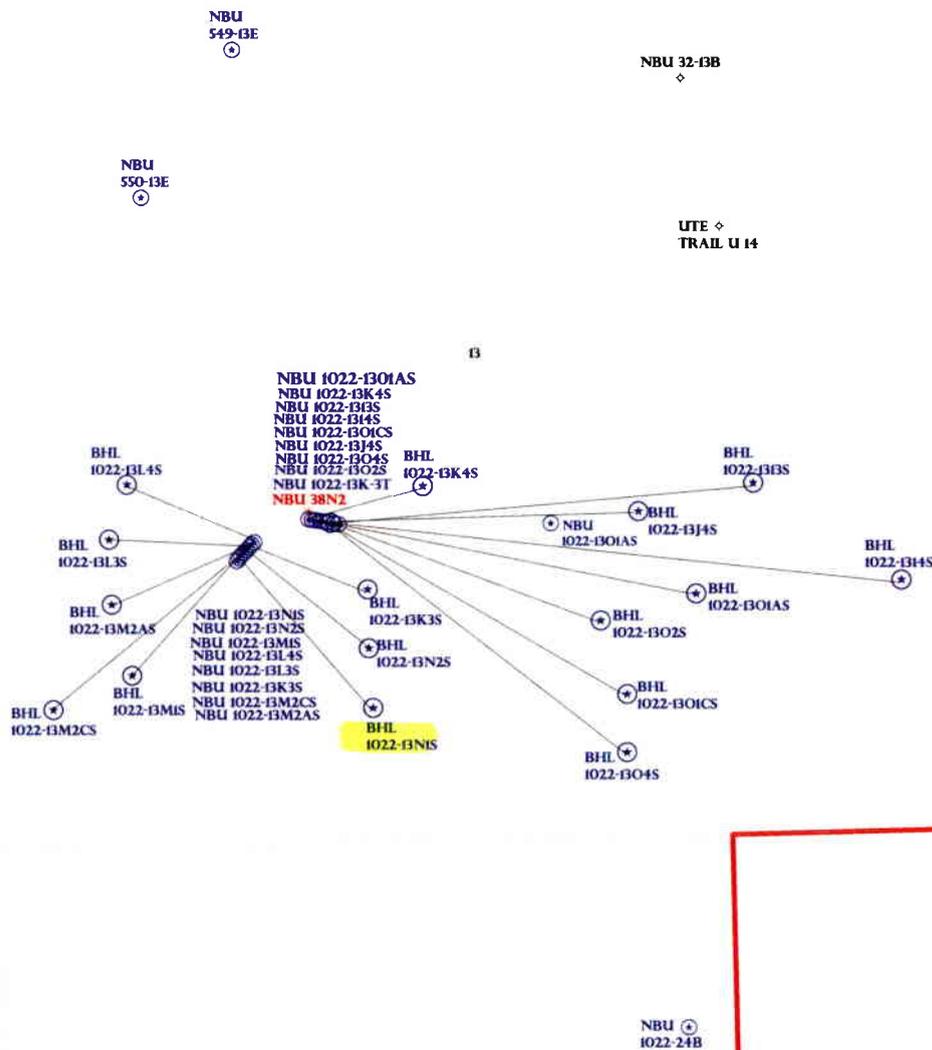
STIPULATIONS: 1- STATEMENT OF BASIS
2- OIL SHALE
3- Surface Csg Cont stip

T10S R22E

T10S R23E

NATURAL BUTTES FIELD NATURAL BUTTES UNIT

CAUSE: 173-14 / 12-2-1999



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 13 T.10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Wells Status

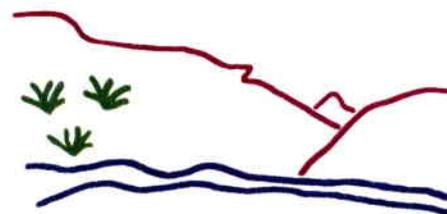
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

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



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 8-AUGUST-2007

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

8/21/2007

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
491	43-047-39484-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, LP		Surface Owner-APD		
Well Name	NBU 1022-13N1S		Unit		
Field	UNDESIGNATED		Type of Work		
Location	NESW 13 10S 22E S 1566 FSL 1302 FWL GPS Coord (UTM) 637340E 4422787N				

Geologic Statement of Basis

Kerr McGee proposes to set 2,100' 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 4,300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 13. 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

8/21/2007
Date / Time

Surface Statement of Basis

The general area is in the southeast end of the Natural Buttes Unit, which contains the White River and short rugged drainages that drain into the White River. Topography is varied and frequently dissected by short draws or washes, which become overly steep as they approach the White River breaks or rim. Distance to the White River varies from ¼ mile to 2 miles. The side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 43 air miles to the northwest. Access from Ouray, Utah is approximately 27.7 road miles following Utah State, Uintah County and oilfield development roads to the location.

Seventeen new gas wells are proposed on two connected pads. The pads form a dogleg with the upper pad (#13-1) extending in an east-west direction and the lower pad (#13-2) in a northeast to southwest direction. Corners of the pads overlap with fill from the upper pad, corner 2, extending onto the lower pad at corner 9. Finished elevation of the upper pad is 15 feet higher than the lower pad. A road is proposed on the inside of the dog-leg ramping down to the lower pad. The pads are located on top of a medium width to narrow ridge-top elevated about 500 vertical feet above the White River. The White River forms a bend in the area and somewhat surrounds the locations except on the east-northeast sides. Closest horizontal distance to any well is approximately 1550 feet. Slopes from the ridge steepen and become near vertical sandstone ledges short distances from the pads. Soils are shallow with a rocky subsurface. Except for reserve pit construction blasting is not expected to be required. Pad construction will primarily consist of excavating the top of the ridge filling on the sides of the ridge. All fills will catch on existing natural side slopes. No drainage concerns exist. Elongated reserve pits are planned. Pits will be in cut except along corner 'C' on the lower #13-2 pad and corner 'F' on the upper #13-1 pad. Both areas will be reinforced with embankments which include a 15' wide bench and spoils storage. Reserve pits will be lined with double 20 mil. liners and a appropriate thickness of sub-felt to cushion all rocks. A pad for a producing gas well (NBU #38-N2) exist on a portion of the upper pad. Area encompassed for the pads not including spoils storage is approximately 6.7 acres.

Both the surface and minerals for this location are owned by SITLA. Jim Davis of SITLA attended the pre-site visit and expressed no concerns regarding the proposed location except for those discussed above.

The location appears to be the only site for constructing pads and drilling and operating multiple wells in the

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

8/21/2007

Page 2

area.

It was mutually agreed that the most significant environmental concern with drilling and operating wells in this area was to avoid any leaks or spills from the operations reaching the White River. To reduce chances of this happening, Carroll Estes of Kerr McGee committed to line the pit with a double 20 mil liner with an appropriate thickness of felt sub-liner dependent upon the roughness of the surface of the constructed pit. He also stated they would formulate and follow a plan to monitor the level of fluids in the reserve pit as well as observing the surrounding terrain for any possible leaks. Corrugated metal containments will be constructed around all tanks used for production.

Floyd Bartlett
Onsite Evaluator

6/27/2007
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A double synthetic liner each with a minimum thickness of 20 mils and an appropriate thickness of felt sub-liner to cushion the liners shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP
Well Name NBU 1022-13N1S
API Number 43-047-39484-0 **APD No** 491 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NESW **Sec** 13 **Tw** 10S **Rng** 22E 1566 FSL 1302 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Floyd Bartlett (DOGM), Jim Davis (SITLA), Carroll Estes, Tony Kznick, and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering and Land Surveying), and Daniel Emmett (UDWR)

Regional/Local Setting & Topography

The general area is in the southeast end of the Natural Buttes Unit, which contains the White River and short rugged drainages that drain into the White River. Topography is varied and frequently dissected by short draws or washes, which become overly steep as they approach the White River breaks or rim. Distance to the White River varies from ¼ mile to 2 miles. The side drainages are dry except for ephemeral flows. No seeps or springs exist in the area. An occasional pond has been constructed to supply water for livestock and antelope. Vernal, Utah is approximately 43 air miles to the northwest. Access from Ouray, Utah is approximately 27.7 road miles following Utah State, Uintah County and oilfield development roads to the location.

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Both the surface and minerals for this location are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const	Material	Surface Formation
0.1	Width 290	Length 490	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Moderately vegetated with black sagebrush, halogeton, shadscale, rabbit brush, broom snakeweed, cheatgrass, six-week fescue and spring annuals.

Antelope, coyote, small mammals and birds. Winter domestic sheep grazing

Soil Type and Characteristics

Shallow gravely sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	<300	20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 35 1 **Sensitivity Level**

Characteristics / Requirements

The reserve pit is proposed on the southwest corner of the lower pad. Portions of the outer edge will be within partial fill. A 15' wide bench/dike is planned along the outer edge as well as reserve pit spoils storage along the west end. Finished pit dimensions are 100' x 300' x 10' deep. Carroll Estes of Kerr McGee committed to line the pit with a double 20 mil liner with an appropriate thickness of felt sub-liner dependent upon the roughness of the surface of the constructed pit.

Mr. Estes also stated they would formulate and follow a plan to monitor the level of fluids in the reserve pit as well as observing the surrounding terrain for any possible leaks.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 40 **Pit Underlayment Required?** Y

Other Observations / Comments

Daniel Emmet represented the Utah Division of Wildlife Resources. Mr. Emmet stated the area is classified as critical yearlong habitat for antelope. He however recommended no stipulations for this species as the loss of forage from this location is not significant and water not forage is the factor limiting the herd population in the area. No other wildlife is expected to be affected. He gave Carrol Estes, representing Kerr McGee, and Jim Davis copies of his evaluation and a DWR recommended seed mix to use when re-vegetating the area.

Floyd Bartlett
Evaluator

6/27/2007
Date / Time

2007-09 Kerr McGee NBU 1022-13N1S

Casing Schematic

BHP $0.052(8160)11.6 = 4922 \text{ psi}$
anticipate 5059 psi

Gas $.12(8160) = 979$
 $4922 - 979 = 3943 \text{ psi, MASTR}$

BOPE 5M ✓

9-5/8"
MW 8.3
Frac 19.3

Burst 2270
70% 1589 psi

Max P @ surf. shoe

$.22(6060) = 1333$
 $4922 - 1333 = 3589 \text{ psi}$

Test to 1589 psi ✓

Stip surf. cont. ✓

✓ Adequate OAD 9/7/07

4-1/2"
MW 11.6

Surface

128
187

TOC @ 0.

Uinta

to surf. w/5% w/o ✓
TOC @ 738' Green River ~~stip~~ surf stip-
1244' Birds Nest Water propose to surf,
1600' Mahogany

Surface
2100. MD
2100. TVD

3968' Wasatch
4300 ± BMSW

6195' Mesaverde

7030' MV U2

7603' MV L1

Production
8375. MD
8160. TVD

Well name:	2007-09 Kerr McGee NBU 1022-13N1S	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Surface	Project ID: 43-047-39484
Location:	Uintah County, Utah	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 104 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 738 ft

Burst

Max anticipated surface pressure: 1,848 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,100 psi

No backup mud specified.

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: 1,844 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,160 ft
Next mud weight: 11.600 ppg
Next setting BHP: 4,917 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,100 ft
Injection pressure: 2,100 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	2100	9.625	32.30	H-40	ST&C	2100	2100	8.876	927.9

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	905	1370	1.513	2100	2270	1.08	60	254	4.26 J

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

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

Date: September 5, 2007
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2100 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.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	2007-09 Kerr McGee NBU 1022-13N1S		
Operator:	Kerr McGee Oil & Gas Onshore L.P.		
String type:	Production	Project ID:	43-047-39484
Location:	Uintah County, Utah		

Design parameters:

Collapse

Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 189 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,122 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,917 psi

No backup mud specified.

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)

Directional well information:

Kick-off point 2160 ft
Departure at shoe: 1084 ft
Maximum dogleg: 2.5 °/100ft
Inclination at shoe: 0 °

Tension is based on buoyed weight.
Neutral point: 6,960 ft

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	8375	4.5	11.60	I-80	LT&C	8160	8375	3.875	730.9

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	4917	6360	1.293	4917	7780	1.58	78	212	2.71 J

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

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

Date: September 5, 2007
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8160 ft, a mud weight of 11.6 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.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

August 9, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39473	NBU 1022-13K4S	Sec 13 T10S R22E 1739 FSL 1745 FWL
	BHL	Sec 13 T10S R22E 1925 FSL 2280 FWL
43-047-39474	NBU 1022-1313S	Sec 13 T10S R22E 1735 FSL 1764 FWL
	BHL	Sec 13 T10S R22E 1900 FSL 1225 FEL
43-047-39475	NBU 1022-1314S	Sec 13 T10S R22E 1724 FSL 1824 FWL
	BHL	Sec 13 T10S R22E 1360 FSL 0440 FEL
43-047-39476	NBU 1022-1301CS	Sec 13 T10S R22E 1747 FSL 1705 FWL
	BHL	Sec 13 T10S R22E 0775 FSL 1920 FEL
43-047-39477	NBU 1022-13J4S	Sec 13 T10S R22E 1728 FSL 1804 FWL
	BHL	Sec 13 T10S R22E 1760 FSL 1845 FEL
43-047-39478	NBU 1022-1301AS	Sec 13 T10S R22E 1731 FSL 1784 FWL
	BHL	Sec 13 T10S R22E 1310 FSL 1540 FEL
43-047-39479	NBU 1022-1302S	Sec 13 T10S R22E 1743 FSL 1725 FWL
	BHL	Sec 13 T10S R22E 1175 FSL 2055 FEL

43-047-39480	NBU 1022-1304S	Sec 13 T10S R22E 1750 FSL 1686 FWL
	BHL	Sec 13 T10S R22E 0460 FSL 1925 FEL
43-047-39481	NBU 1022-13K3S	Sec 13 T10S R22E 1610 FSL 1343 FWL
	BHL	Sec 13 T10S R22E 1370 FSL 1975 FWL
43-047-39482	NBU 1022-13M1S	Sec 13 T10S R22E 1538 FSL 1275 FWL
	BHL	Sec 13 T10S R22E 0930 FSL 0700 FWL
43-047-39483	NBU 1022-13M2AS	Sec 13 T10S R22E 1595 FSL 1329 FWL
	BHL	Sec 13 T10S R22E 1315 FSL 0600 FWL
43-047-39484	NBU 1022-13N1S	Sec 13 T10S R22E 1566 FSL 1302 FWL
	BHL	Sec 13 T10S R22E 0725 FSL 1990 FWL
43-047-39485	NBU 1022-13L3S	Sec 13 T10S R22E 1624 FSL 1356 FWL
	BHL	Sec 13 T10S R22E 1665 FSL 0590 FWL
43-047-39486	NBU 1022-13L4S	Sec 13 T10S R22E 1638 FSL 1370 FWL
	BHL	Sec 13 T10S R22E 1960 FSL 0690 FWL
43-047-39487	NBU 1022-13N2S	Sec 13 T10S R22E 1581 FSL 1316 FWL
	BHL	Sec 13 T10S R22E 1050 FSL 1975 FWL
43-047-39488	NBU 1022-13M2CS	Sec 13 T10S R22E 1552 FSL 1289 FWL
	BHL	Sec 13 T10S R22E 0750 FSL 0270 FWL
43-047-39489	NBU 1022-13K-3T	Sec 13 T10S R22E 1754 FSL 1666 FWL

Our records indicate the bottom hole location of the NBU 1022-1314S is closer than 460 feet from the Natural Buttes Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
 Division of Oil Gas and Mining
 Central Files
 Agr. Sec. Chron
 Fluid Chron

MCoulthard:mc:8-9-07

From: Ed Bonner
To: Mason, Diana
Date: 8/20/2007 3:07 PM
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:

Cabot Oil & Gas Corporation
McKenna 21-32 (API 43 037 31863)

Kerr McGee Oil & Gas Onshore LP
NBU 1022-13K4S (API 43 047 39473)
NBU 1022-13I3S (API 43 047 39474)
NBU 1022-13I4S (API 43 047 39475)
NBU 1022-13O1CS (API 43 047 39476)
NBU 1022-13J4S (API 43 047 39477)
NBU 1022-13O1AS (API 43 047 39478)
NBU 1022-13O2S (API 43 047 39479)
NBU 1022-13O4S (API 43 047 39480)
NBU 1022-13K3S (API 43 047 39481)
NBU 1023-13M1S (API 43 047 39482)
NBU 1022-13M2AS (API 43 047 39483)
NBU 1022-13N1S (API 43 047 39484)
NBU 1022-13L3S (API 43 047 39485)
NBU 1022-13L4S (API 43 047 39486)
NBU 1022-13N2S (API 43 047 39487)
NBU 1022-13M2SC (API 43 047 39488)
NBU 1022-13K-3T (API 43 047 39489)

Petro-Canada Resources (USA), Inc
State 16-41 (API 43 015 30721)
State 32-44 (API 43 015 30722)

Royale Energy, Inc
Vernal Equinox 2-2 (API 43 019 31552)

XTO Energy, Inc
State of Utah 16-8-31-13 (API 43 015 30719)
State of Utah 16-8-31-33D (API 43 015 30718)

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

September 11, 2007

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

Re: NBU 1022-13N1S Well, 1566' FSL, 1302' FWL, NE SW, Sec. 13, T. 10 South,
R. 22 East, Bottom Location 725' FSL, 1990' FWL, SE SW, Sec. 13, T. 10 South,
R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39484.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Kerr McGee Oil & Gas Onshore LP
Well Name & Number NBU 1022-13N1S
API Number: 43-047-39484
Lease: STUO-08512-ST

Location: NE SW **Sec.** 13 **T.** 10 South **R.** 22 East
Bottom Location: SE SW **Sec.** 13 **T.** 10 South **R.** 22 East

Conditions of Approval

1. General

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

2. Notification Requirements

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 Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
7. 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.
8. Surface casing shall be cemented to the surface.



**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 2100	32.30	H-40	STC	0.73*****	1.39	4.28
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8160	11.60	I-80	LTC	2.49	1.29	2.43

- 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 = 0.0 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 3127 psi

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

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1							
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
	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	5,690'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	620	60%	11.00	3.38
	TAIL	2,470'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	700	60%	14.30	1.31

*Substitute caliper hole volume plus 15% excess 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 System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____
 Brad Laney

DATE: _____

DRILLING SUPERINTENDENT: _____
 Randy Bayne

DATE: _____

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
4304739483	NBU 1022-13M2AS		NESW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>B</i>	99999	<i>2900</i>	10/29/2007			<i>10/31/07</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 10/29/2007 AT 0800 HRS. <i>BHL = NESW</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739484	NBU 1022-13N1S		NESW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>B</i>	99999	<i>2900</i>	10/29/2007			<i>10/31/07</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 10/29/2007 AT 1330 HRS. <i>BHL = SESW</i>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739488	NBU 1022-13M2CS		NWSW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>B</i>	99999	<i>2900</i>	10/29/2007			<i>10/31/07</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 10/29/2007 AT 1900 HRS <i>BHL = SWSW</i>							

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

10/30/2007

Date

RECEIVED

OCT 30 2007

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
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: UNIT #891008900A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		8. WELL NAME and NUMBER: NBU 1022-13N1S
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304739484
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1566'FSL, 1302'FSL		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		COUNTY: UINTAH
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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>WELL SPUD</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 10/29/2007 AT 1330 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE	DATE 10/30/2007

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
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: UNIT #891008900A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		8. WELL NAME and NUMBER: NBU 1022-13N1S
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304739484
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1566'FSL, 1302'FSL		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		COUNTY: UINTAH
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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>SET SURFACE CSG.</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 BILL MARTIN AIR RIG ON 11/12/2007. DRILLED 12 1/4" SURFACE HOLE TO 2160'. RAN 9 5/8" 40 JTS OF 32.3# H-40 AND 12 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/300 SX PREM CLASS G @15.8 PPG 1.15 YIELD. TAILED CMT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT. TOP OUT W/400 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>SENIOR LAND ADMIN SPECIALIST</u>
SIGNATURE	DATE <u>11/26/2007</u>

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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: STUO-08512-ST
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1566'FSL, 1302'FSL		8. WELL NAME and NUMBER: NBU 1022-13N1S
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		9. API NUMBER: 4304739484
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

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

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	<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>FINAL DRILLING OPERATIONS</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.

FINISHED DRILLING FROM 2160' TO 8405' ON 01/01/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/340 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1200 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROPPED PLUG & DISPLACE W/130 BBLs FRESH WATER @2300 PSI BUMPED PLUG @2800 PSI FLOATS HELD W/2 BBL RETURN GOOD RETURNS DURING CMT JOB W/20 BBLs CNT TO RESERVE PIT. N/DN BOP & SET SLIPS ON 4 1/2" PROD CSG W/90K STRING WEIGHT ROUGH CUT CSG & L/OUT SAME.

RELEASED PIONEER RIG 54 ON 01/03/2008 AT 1300 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE	DATE 1/7/2008

(This space for State use only)

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JAN 15 2008

**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.

- Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - A copy of electric and radioactivity logs, if run
 - A copy of drillstem test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: Kerr-McGee Oil & Gas Onshore, LP Today's Date: 04/21/2008

Well: 43 0A7 39484 API Number: _____ Drilling Commenced: _____
NBU 1022-13N1S
10S 22E 13

List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

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

If you have questions or concerns regarding this matter, please contact Rachel Medina
at (801) 538-5260.

cc: Well File
Compliance File

**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

ATTACHMENT

Operator: Kerr-McGee Oil & Gas Onshore, LP

Today's Date: 04/21/2008

Well:	API Number:	Drilling Commenced:
NBU 1022-13L3S	4304739485	10/26/2007
NBU 1022-13L4S	4304739486	10/26/2007
NBU 1022-13K3S	4304739481	10/27/2007
NBU 1022-13N2S	4304739487	10/27/2007
NBU 1022-13M2AS	4304739483	10/29/2007
NBU 1022-13N1S	4304739484	10/29/2007
NBU 1022-13M2CS	4304739488	10/29/2007
NBU 1022-13M1S	4304739482	10/30/2007
NBU 1021-1G	4304739001	11/01/2007
NBU 102213O4S	4304739480	11/12/2007
NBU 1022-13K-3T	4304739489	11/12/2007
NBU 1022-13O1CS	4304739476	11/13/2007
NBU 1022-13I4S	4304739475	11/15/2007
NBU 1022-13J4S	4304739477	11/15/2007

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER. STUO-08512-ST
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1566'FSL, 1302'FSL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		8. WELL NAME and NUMBER: NBU 1022-13N1S
		9. API NUMBER: 4304739484
		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		STATE: UTAH

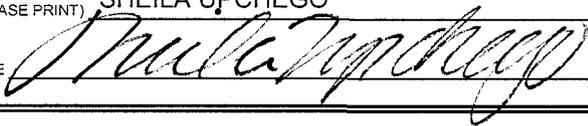
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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	<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
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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: <u>PRODUCTION START-UP</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.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 05/21/2008 AT 12:00 PM.
PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
JUN 09 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>SENIOR LAND ADMIN SPECIALIST</u>
SIGNATURE 	DATE <u>5/28/2008</u>

(This space for State use only)

Wins No.: 95380

NBU 1022-13N1S

Well Operations Summary Long

Operator KERR-MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 10/29/2007	GL 5,287	KB 5306	ROUTE
API 4304739484	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 39.94595 / -109.39297	Q-Q/Sec/Town/Range: / 13 / 10S / 22E	Footages: 1,566.00' FSL 1,302.00' FWL			

Wellbore: NBU 1022-13N1S

MTD 8,405	TVD 8,378	PBMD	PBTVD
EVENT INFORMATION:	EVENT ACTIVITY: DRILLING	START DATE: 10/29/2007	
	OBJECTIVE: DEVELOPMENT	END DATE: 1/3/2008	
	OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.:	
	REASON:	Event End Status: COMPLETE	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
BILL JRS RATHOLE DRILLIN	11/04/2007	11/04/2007	11/04/2007	11/04/2007	11/08/2007	11/08/2007	11/08/2007

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
10/29/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 13:30	13.50	DRLCON	12	F	P	WAIT ON PETE MARTIN BUCKET RIG
	13:30 - 18:00	4.50	DRLCON	02	A	P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 1330 HR 10/29/07 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 54 BLM AND STATE NOTIFIED OF SPUD
	18:00 - 0:00	6.00	DRLCON	12	F	P	WOAR
11/4/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 23:00	23.00	DRLSUR	12	F	P	WAIT ON BILL JR AIR RIG
	23:00 - 0:00	1.00	DRLSUR	02	A	P	MOVE OVER AND RIG UP AIR RIG SPUD WELL @ 2300 HR 11/4/07 DA AT REPORT TIME
11/5/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 17:00	17.00	DRLSUR	02	A	P	RIG T/D PIOLET HOLE @ 1020' CONDITION HOLE 1 HR
	17:00 - 19:00	2.00	DRLSUR	05	D	P	TRIP DP OUT OF HOLE
	19:00 - 0:00	5.00	DRLSUR	12	F	P	WAIT ON BILL JR AIR RIG TO FINISH DRILLING SURF.
11/6/2007							
SUPERVISOR: LEW WELDON							
	6:00 - 9:30	3.50	DRLSUR	12	F	P	WAIT ON BILL JR AIR RIG

Wins No.: 95380

NBU 1022-13N1S

API No.: 4304739484

6:00 - 9:30	3.50	DRLSUR	12	F	P	WAIT ON BILL JR AIR RIG
9:30 - 18:00	8.50	DRLSUR	02	A	P	MOVE IN AND RIG UP AIR RIG RIH TO 1020' AND SPUD WELL @ 0930 HR 11/12/07 DA AT REPORT TIME
18:00 - 0:00	6.00	DRLSUR	02	A	P	RIG DRILLING AHEAD HIT TRONA WATER @ 1400' CIRCULATING WITH SKID PUMP

11/7/2007

SUPERVISOR: LEW WELDON

0:00 - 18:00	18.00		02	A		RIG T/D @ 2160' CONDITION HOLE 1 HR
18:00 - 21:00	3.00		05	D		TRIP DP OUT OF HOLE
21:00 - 0:00	3.00		11	B		RUN 2117' OF 9 5/8 CSG AND RIG DOWN AIR RIG

11/8/2007

SUPERVISOR: LEW WELDON

0:00 - 1:00	1.00	DRLSUR	15	A	P	CEMENT 1ST STAGE WITH 300 SKS NO RETURNS TO PIT
1:00 - 1:30	0.50	DRLSUR	15	A	P	1ST TOP JOB 150 SKS DOWN BS WOC
1:30 - 3:30	2.00	DRLSUR	15	A	P	2ND TOP JOB 150 SKS DOWN BS WOC
3:30 - 6:00	2.50	DRLSUR	15	A	P	3RD TOP JOB 300 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
6:00 - 6:00	0.00	DRLSUR	12	F	P	NO VISIBLE LEAKS WORT

12/23/2007

SUPERVISOR: KENT MOORE

0:00 - 9:00	9.00	RDMO	01	E	P	RDRT
9:00 - 11:00	2.00	RDMO	01	F	P	SKID RIG 20' TO NBU 1022-13N1S
11:00 - 0:00	13.00	MIRU	01	B	P	MOVE UP BACK YARD - RURT

12/24/2007

SUPERVISOR: KENT MOORE

0:00 - 4:00	4.00	MIRU	01	B	P	RURT
4:00 - 6:00	2.00	DRLPRO	13	A	P	N/UP BOPE, FLOWLINE & GAS BUSTER

4:00 - 6:00	2.00	DRLPRO	13	A	P	N/UP BOPE, FLOWLINE & GAS BUSTER
6:00 - 12:00	6.00	DRLPRO	13	C	P	TEST BOP - RAMS, CHOKE, CHOKE LINE, KELLY & VALVES 250 LOW 5000 HIGH - ANNULAR 250 LOW 2500 HIGH - CASING 1500 - SET WEARBUSHING
12:00 - 13:30	1.50	DRLPRO	05	A	P	P/UP DIRECTIONAL TOOLS & BIT #1
13:30 - 15:30	2.00	DRLPRO	05	A	P	RIH TRIP CHECK HWDP
15:30 - 17:00	1.50	DRLPRO	05	A	P	P/UP 31 JTS DP - TAG @ 1970'
17:00 - 19:00	2.00	DRLPRO	13	B	P	INSTALL ROTATING HEAD RUBBER - CENTER BOP - CHECK FLOWSEPERATOR LINES FOR LEAKS
19:00 - 22:00	3.00	DRLPRO	03	E	P	DRILL CEMENT, FE & RATHOLE TO 2179'
22:00 - 0:00	2.00	DRLPRO	02	D	P	DRILL/SLIDE F/2179' TO 2260' (81' @ 40.5fph) 8.5ppg

12/25/2007

SUPERVISOR: KENT MOORE

0:00 - 13:30	13.50	DRLPRO	02	D	P	DRILL/SLIDE F/2260' TO 2951' (691' @ 51.2fph) 8.5ppg
13:30 - 14:00	0.50	DRLPRO	06	A	P	RIG SER
14:00 - 0:00	10.00	DRLPRO	02	D	P	DRILL/SLIDE F/2951' TO 3350' (399' @ 39.9fph) 8.6ppg

12/26/2007

SUPERVISOR: KENT MOORE

0:00 - 14:00	14.00	DRLPRO	02	D	P	DRILL/SLIDE F/3350' TO 3964' (614' @ 43.9fph) 8.7ppg
14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SER
14:30 - 23:00	8.50	DRLPRO	02	D	P	DRILL/SLIDE F/3964' TO 4337' (373' @ 43.8 fph) 9.1ppg
23:00 - 0:00	1.00	DRLPRO	07	A	S	REPAIR FUEL LINE TO FLOOR MOTORS

12/27/2007

SUPERVISOR: KENT MOORE

0:00 - 15:30	15.50	DRLPRO	02	D	P	DRILL/SLIDE F/4337' TO 5008' (671' @ 43.3fph) 9.2ppg
15:30 - 16:00	0.50	DRLPRO	06	A	P	RIG SER

16:00 - 0:00 8.00 DRLPRO 02 D P DRILL/SLIDE F/5008' TO 5389' (381' @ 47.6fph) 9.4ppg

12/28/2007

SUPERVISOR: KENT MOORE

0:00 - 14:00 14.00 DRLPRO 02 D P DRILL/SLIDE F/5389' TO 5830' (441' @ 31.5fph) 9.6ppg

14:00 - 14:30 0.50 DRLPRO 06 A P RIG SER

14:30 - 21:30 7.00 DRLPRO 02 D P DRILL/SLIDE F/5830' TO 6013' (183' @ 26fph) 9.6ppg

21:30 - 23:30 2.00 DRLPRO 07 B S C/OUT VALVES & SEATS - WASHED SUCTION MODULE - MECHANIC TROUBLESHOOTING #1 PUMP MOTOR

23:30 - 0:00 0.50 DRLPRO 02 D P DRILL/SLIDE F/6013' TO 6044' (31' @ 62fph) 9.6ppg

12/29/2007

SUPERVISOR: KENT MOORE

0:00 - 13:00 13.00 DRLPRO 02 D P DRILL/SLIDE F/6044' TO 6463' (419' @ 32.2fph) 10.0ppg

13:00 - 13:30 0.50 DRLPRO 06 A P RIG SER

13:30 - 0:00 10.50 DRLPRO 02 D P DRILL/SLIDE F/6463' TO 6820' (357' @ 34fph) 10.3ppg

12/30/2007

SUPERVISOR: KENT MOORE

0:00 - 8:00 8.00 DRLPRO 02 D P DRILL/SLIDE FR/6820' TO 7127' (307' @ 38.4fph) 10.4ppg

8:00 - 12:00 4.00 DRLPRO 05 A P TFNB - 50/95K OVER PULL TO 4300' - 25 TO 30K OVERPULL 4300' TO 2137' (CSG SHOE)

12:00 - 13:00 1.00 DRLPRO 05 A P L/DN DIRECTIONAL BHA - SET MM TO 0deg - P/UP BIT #2

13:00 - 18:00 5.00 DRLPRO 05 A P RIH TO 2100' BREAK CIRC - CONT RIH TO 7081' - WASH 46' TO BTM - 6' FILL

18:00 - 0:00 6.00 DRLPRO 02 B P DRLG F/7127' TO 7340' (213' @ 35.5fph) 10.5ppg

12/31/2007

SUPERVISOR: KENT MOORE

0:00 - 16:00 16.00 DRLPRO 02 B P DRILL F/7340' TO 7854' (514' @ 32.1fph) 10.8ppg

16:00 - 16:30 0.50 DRLPRO 06 A P RIG SER

16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SER
16:30 - 0:00	7.50	DRLPRO	02	B	P	DRLG - F/7854' TO 8068' (214' @ 28.5fph) 11.2ppg

1/1/2008

SUPERVISOR: KENT MOORE

0:00 - 11:30	11.50	DRLPRO	02	B	P	DRLG - F/8068' TO 8405' (337' @ 29.3fph) 11.2ppg
11:30 - 13:00	1.50	DRLPRO	04	A	P	CIRC & COND
13:00 - 18:30	5.50	DRLPRO	05	E	P	W/TRIP TO 2100'
18:30 - 19:30	1.00	DRLPRO	04	A	P	CIRC
19:30 - 23:30	4.00	DRLPRO	05	A	P	POOH F/OPEN HOLE LOGS
23:30 - 0:00	0.50	DRLPRO	10		P	R/UP BAKER ATLAS

1/2/2008

SUPERVISOR: KENT MOORE

0:00 - 5:30	5.50	EVALPR	08	F	P	RUN TRIPLE COMB TO LOGGERS DEPTH @ 8406'
5:30 - 11:00	5.50	DRLPRO	05	F	P	RIH CLEAN OUT RUN - WASH 25' TO BTM - 5' FILL
11:00 - 13:00	2.00	DRLPRO	04	C	P	CIRC - HPJSM - R/UP LDN MACHINE
13:00 - 19:30	6.50	DRLPRO	05		P	LDDP- RACK 10 STDS HWDP IN DERRICK
19:30 - 20:00	0.50	DRLPRO	13	B	P	RETRIEVE WEARBUSHING
20:00 - 0:00	4.00	CSG	11	B	P	HPJSM - R/UP CASING CREW - RUN 4 1/2 PROD CASING - BREAK & CIRC CASING @ 2100' & 3900'

1/3/2008

SUPERVISOR: KENT MOORE

0:00 - 3:00	3.00	CSG	11	B	P	RUN 199 JTS 4 1/2 PROD CASING TO 8405' - WASH DN CASING F/8390' TO 8405'
3:00 - 5:30	2.50	CSG	04	E	P	CIRC CASING

Wins No.: 95380 NBU 1022-13N1S API No.: 4304739484

5:30 - 9:00	3.50	CSG	15	A	P	HPJSM - R/UP BJ & CMT 4 1/2 PROD CASING @ 8405' - TEST LINES @ 4000 PSI - PIMPED 20 BBLS MUD CLEAN - 20 SKS SCAVENGER 9.5 PPG 8.45 YIELD - 340 SKS LEAD 11.0 PPG 3.38 YIELD - 1200 SKS TAIL 14.3 PPG 1.31 YIELD - DROPPED PLUG & DISPLACED W/130 BBLS FRESH WATER @ 2300 PSI - BUMPED PLUG @ 2800 PSI - FLOATS HELD W/2 BBL RETURN - GOOD RETURNS DURING CMT JOB W/20 BBLS CEMENT TO RESERVE PIT
9:00 - 13:00	4.00	CSG	13	A	P	N/DN BOP & SET SLIPS ON 4 1/2 PROD CASING W/90K STR WT - ROUGH CUT CSG & L/OUT SAME - TRANSFER 600 BBLS MUD TO UPRIGHT TANKS - RELEASE RIG @ 13:00 HRS - PIT LINER OK NO VISUAL LEAKS - RESERVE PIT 1/2 FULL

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 1/5/2008
 OBJECTIVE: CONSTRUCTION END DATE:
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:
 REASON: SURF FACILITIES Event End Status:

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
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12/31/2007
 SUPERVISOR: KENT MOORE

Wins No.: 95380

NBU 1022-13N1S

API No.: 4304739484

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 4/21/2008
 OBJECTIVE: DEVELOPMENT END DATE:
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:
 REASON: MV - WHR PAD#2 Event End Status:

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
4/21/2008							
SUPERVISOR: DOUG CHIVERS							
	7:00 - 7:30	0.50	COMP	48		P	HSM. FRACING & PERFORATING
	7:30 - 18:00	10.50	COMP	36	B	P	PRIME UP PUMPS & LINES. PRESSURE TEST SURFACE EQUIPMENT TO 8,500 PSI. STG 1) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. PERF 8,282' - 90' 3 SPF, 8,202' - 06' 4 SPF, 40 HOLES. DFIT TEST) BRK 5,913 PSI @ 4.8 BPM. PUMP 24 BBLS @ 4.7 BPM, @ 3,309 PSI, ISIP 2,591, FG .73, 5 MIN 2,452 PSI. RECORD PSI OVER WEEK END. WHP 440 PSI, BRK 4,574 PSI @ 3.3 BPM, ISIP 2,399 PSI, FG .73. PMP 100 BBLS @ 50 BPM @ 4,300 PSI = 32 OF 40 HOLES OPEN. MP 6,816 PSI, MR 50.0 BPM, AP 4,343 PSI, AR 49.6 BPM. ISIP 2,623 PSI, FG .76, NPI 224 PSI. PUMP 1,522 BBLS OF SW & 44,833 LBS OF 30/50 SAND & 5,329 LBS OF 20/40 RESIN SAND. TOTAL PROP 50,162 LBS. STG 2) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 8,076' & PERF 8,039' - 41' 4 SPF, 7,997' - 8,003' 4 SPF, 7,962' - 65 3 SPF 41 HOLES. WHP 2,260 PSI, BRK 6,969 PSI @ 3.1 BPM, ISIP 2,481 PSI, FG .75. PMP 100 BBLS @ 49.7 BPM @ 4,800 PSI = 28 OF 41 HOLES OPEN. MP 6,969 PSI, MR 50.0 BPM, AP 4,490 PSI, AR 49.6 BPM. ISIP 2,678 PSI, FG .77, NPI 197 PSI. PUMP 986 BBLS OF SW & 28,229 LBS OF 30/50 SAND & 5,176 LBS OF 20/40 RESIN SAND. TOTAL PROP 33,405 LBS. SWI SDFN
4/22/2008							
SUPERVISOR: DOUG CHIVERS							
	7:00 - 7:30	0.50	COMP	48		P	HSM. FRACING & PERFORATING

Wins No.: 95380

NBU 1022-13N1S

API No.: 4304739484

7:30 - 15:30

8.00

COMP

36

B

P

STG 3) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING.
 SET 8K BAKER CBP @ 7,820' & PERF 7,781' - 85' 4 SPF, 7,687' - 95' 3 SPF, 40 HOLES.
 WHP 2,035 PSI, BRK 3,876 PSI @ 3.0 BPM, ISIP 2,618 PSI, FG .78.
 PMP 100 BBLS @ 49.7 BPM @ 4,700 PSI = 31 OF 41 HOLES OPEN 78%
 MP 5,548 PSI, MR 50.3 BPM, AP 4,389 PSI, AR 49.9 BPM. ISIP 2,908 PSI, FG .82, NPI 197 PSI.
 PUMP 2,125 BBLS OF SW & 73,717 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 78,717 LBS.

STG 4) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING.
 SET 8K BAKER CBP @ 7,600' & PERF 7,560' - 70' 4 SPF, 40 HOLES.
 WHP 2,470 PSI, BRK 4,537 PSI @ 3.3 BPM, ISIP 2,928 PSI, FG .83.
 PMP 100 BBLS @ 50 BPM @ 4,800 PSI = 39 OF 40 HOLES OPEN 98%
 MP 5,768 PSI, MR 50.1 BPM, AP 4,562 PSI, AR 49.8 BPM. ISIP 2,664 PSI, FG .79, NPI -284 PSI.
 PUMP 705 BBLS OF SW & 17,255 LBS OF 30/50 SAND & 5,103 LBS OF 20/40 RESIN SAND. TOTAL PROP 22,358 LBS.

STG 5) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING.
 SET 8K BAKER CBP @ 7,410' & PERF 7,376' - 80' 4 SPF, 7,318' - 22' 4 SPF, 7,245' - 48' 4 SPF, 44 HOLES.
 WHP 2,252 PSI, BRK 4,324 PSI @ 2.9 BPM, ISIP 2,286 PSI, FG .75.
 PMP 100 BBLS @ 54.3 BPM @ 4,300 PSI = 33 OF 44 HOLES OPEN 78%
 MP 5,234 PSI, MR 55 BPM, AP 4,340 PSI, AR 54.2 BPM. ISIP 2,674 PSI, FG .81, NPI 197 PSI.
 PUMP 3,062 BBLS OF SW & 111,082 LBS OF 30/50 SAND & 4,670 LBS OF 20/40 RESIN SAND. TOTAL PROP 115,752 LBS.

SWI SDFN

4/23/2008

SUPERVISOR: DOUG CHIVERS

7:00 - 7:30

0.50

COMP

48

P

HSM. FRACING & PERFORATING

Wins No.: 95380

NBU 1022-13N1S

API No.: 4304739484

7:30 - 19:00 11.50 COMP 36 B P

STG 6) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING.
 SET 8K BAKER CBP @ 7,160' & PERF 7,125' - 30' 4 SPF, 7,054' - 58' 4 SPF, 7,015' - 18' 3 SPF, 45 HOLES.
 WHP 2,220 PSI, BRK 3,600 PSI @ 3.6 BPM, ISIP 1,962 PSI, FG .75.
 PMP 100 BBLS @ 53.9 BPM @ 4,370 PSI = 36 OF 45 HOLES OPEN 80%
 MP 6,212 PSI, MR 54.2 BPM, AP 4,343 PSI, AR 51.2 BPM. ISIP 1,962 PSI, FG .82, NPI 722 PSI.
 PUMP 1,002 BBLS OF SW & 28,773 LBS OF 30/50 SAND & 5,275 LBS OF 20/40 RESIN SAND. TOTAL PROP 34,048 LBS.

STG 7) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING.
 SET 8K BAKER CBP @ 6,922' & PERF 6,886' - 92' 4 SPF, 6,844' - 48' 4 SPF, 40 HOLES.
 WHP 2,140 PSI, BRK 3,139 PSI @ 2.6 BPM, ISIP 2,236 PSI, FG .78.
 PMP 100 BBLS @ 51.3 BPM @ 3,900 PSI = 40 OF 40 HOLES OPEN 100%
 MP 4,587 PSI, MR 51.3 BPM, AP 4,017 PSI, AR 51.2 BPM. ISIP 2,415 PSI, FG .79, NPI 179 PSI.
 PUMP 677 BBLS OF SW & 15,778 LBS OF 30/50 SAND & 5,423 LBS OF 20/40 RESIN SAND. TOTAL PROP 21,201 LBS.

STG 8) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING.
 SET 8K BAKER CBP @ 6,698' & PERF 6,663' - 68' 4 SPF, 6,592' - 97' 4 SPF, 40 HOLES.
 WHP 1,835 PSI, BRK 3,231 PSI @ 3.1 BPM, ISIP 1,852 PSI, FG .72.
 PMP 100 BBLS @ 51.8 BPM @ 4,150 PSI = 36 OF 40 HOLES OPEN 90%
 MP 4,543 PSI, MR 52.8 BPM, AP 3,667 PSI, AR 51.7 BPM. ISIP 2,207 PSI, FG .77, NPI 355 PSI.
 PUMP 2,621 BBLS OF SW & 94,677 LBS OF 30/50 SAND & 4,413 LBS OF 20/40 RESIN SAND. TOTAL PROP 99,090 LBS.

STG 9) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING.
 SET 8K BAKER CBP @ 6,504' & PERF 6,464' - 74' 4 SPF, 40 HOLES.
 WHP 1,600 PSI, BRK 6,492 PSI @ 2.6 BPM, ISIP 1,628 PSI, FG .72.
 PMP 100 BBLS @ 50.5 BPM @ 3,700 PSI = 32 OF 40 HOLES OPEN 80%
 MP 6,492 PSI, MR 50.9 BPM, AP 3,555 PSI, AR 50.5 BPM. ISIP 2,107 PSI, FG .77, NPI 479 PSI.
 PUMP 2,310 BBLS OF SW & 81,429 LBS OF 30/50 SAND & 4,634 LBS OF 20/40 RESIN SAND. TOTAL PROP 86,063 LBS.

KILL PLG) RIH W/ 4 1/2" WEATHERFORD CONVERTABLE CBP & SET @ 6,200'. PRESSURE UP TO 4,500 PSI CBP CONVERTED. READY FOR FLOW BACK. SWI.

4/30/2008

SUPERVISOR: DOUG CHIVERS

7:00 - 33 A

7 AM REPORT: CP 600#, TP 0#, 20/64" CK, 25 BWPB, TRACE SAND, LIGHT GAS
 TTL BBLS RECOVERED: 470
 BBLS LEFT TO RECOVER: 14,544

5/1/2008

SUPERVISOR: MARK BONNIE

7:00 - 33 A

7 AM REPORT: CP 350#, TP 0#, OPEN CK, 40 BWPB, TRACE SAND, LIGHT GAS
 TTL BBLS RECOVERED: 1672
 BBLS LEFT TO RECOVER: 13,342

5/2/2008

SUPERVISOR: MARK BONNIE

Wins No.: 95380		NBU 1022-13N1S		API No.: 4304739484	
7:00 -		33	A	7 AM REPORT: CP 175#, TP 0#, OPEN CK, 30 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 2490 BBLs LEFT TO RECOVER: 12,542	
5/3/2008 SUPERVISOR: MARK BONNIE					
7:00 -		33	A	7 AM REPORT: CP 200#, TP 0#, OPEN CK, 30 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 3146 BBLs LEFT TO RECOVER: 11,868	
5/4/2008 SUPERVISOR: MARK BONNIE					
7:00 -		33	A	7 AM REPORT: CP 50#, TP 0#, OPEN CK, 7 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 3387 BBLs LEFT TO RECOVER: 11,627	
5/5/2008 SUPERVISOR: MARK BONNIE					
7:00 -		33	A	7 AM REPORT: CP 35#, TP 0#, OPEN CK, 3 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 3486 BBLs LEFT TO RECOVER: 11,528	
5/6/2008 SUPERVISOR: MARK BONNIE					
7:00 -		33	A	7 AM REPORT: CP 35#, TP 0#, OPEN CK, 3 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 3486 BBLs LEFT TO RECOVER: 11,528	
5/11/2008 SUPERVISOR: MARK BONNIE					
7:00 -		33	A	BACK ON FLOWBACK SEPARATOR DUE TO SAND PROBLEMS - 7 AM FB REPORT: CP 60#, TP N/A, OPEN CK, 1 BPH	
5/12/2008 SUPERVISOR: MARK BONNIE					
7:00 -		33	A	BACK ON FLOWBACK SEPARATOR DUE TO SAND PROBLEMS - 7 AM FB REPORT: CP 20#, TP N/A, OPEN CK, 0 BWPH	
5/16/2008 SUPERVISOR: JD FOREMAN					
7:00 - 7:30	0.50	COMP	48	P	SAFETY MEETING
7:30 - 17:00	9.50	COMP	31	P	RIG DOWN MOVE IN RIG UP KILL WELL W/ 40 BBL 2% KCL WATER NIPPLE DOWN TREE NIPPLE UP BOP MIRU CUTTERS RIH SET 8K CBP @ 6178' TALL & PICK UP 2,3/8 J-55 TBG RIH W/ POBS & BIT TAG @ 6178' RIG UP DRILG EQUIP DRILL OUT CBP NO KICK CAN CIRC RIH TAG @ 6200' DRILL OUT FCBP NO KICK LOST CIRC RIH TAG @ 6468' DRILL OUT FCBP TAG SAND 6870' DRILL 30' SAND NO CIRC TRY TO STUCK TBG PULL & LAY DOWN 4JTS SDFN CALL FOR FOAM UNIT SEFWE
5/20/2008 SUPERVISOR: MARK BONNIE					
7:00 -					STARTED FLOWING @ 8 PM, 5/19/08. 7 AM REPORT: CP 2450#, TP 1380#, CK 20/64", 60 BWPH, TRACE SAND
5/21/2008 SUPERVISOR: MARK BONNIE					
7:00 -		33	A	7 AM FLBK REPORT: CP 2350#, TP 1360#, 20/64" CK, 55 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 2055 BBLs LEFT TO RECOVER: -2055	
12:00 -				PROD	WELL TURNED TO SALES @ 1200 HR ON 05/21/2008 - FTP 1325#, CP 2275#, CK 18/64", 1100 MCFD, 600 BWPD

Wins No.: 95380

NBU 1022-13N1S

API No.: 4304739484

5/22/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM FLBK REPORT: CP 2250#, TP 1325#, 20/64" CK, 35 BWPH,
TRACE SAND, 1100 MCFD

5/23/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM FLBK REPORT: CP 2150#, TP 1375#, 20/64" CK, 25 BWPH,
TRACE SAND, 1200 MCFD

5/24/2008

SUPERVISOR: MARK BONNIE

7:00 -

7 AM FLBK REPORT: CP 2100#, TP 1350#, 20/64" CK, 25 BWPH,
TRACE SAND, 1300 MCFD

5/25/2008

SUPERVISOR: MARK BONNIE

7:00 -

7 AM FLBK REPORT: CP 2050#, TP 1300#, 20/64" CK, 20 BWPH,
TRACE SAND, 1300 MCFD

5/26/2008

SUPERVISOR: MARK BONNIE

7:00 -

7 AM FLBK REPORT: CP 2000#, TP 1280#, 20/64" CK, 17 BWPH,
TRACE SAND, 1200 MCFD

5/27/2008

SUPERVISOR: MARK BONNIE

7:00 -

7 AM FLBK REPORT: CP 2000#, TP 1300#, 20/64" CK, 17 BWPH,
TRACE SAND, 1400 MCFD

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:
STUO-08512-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 1022-13N1S

9. API NUMBER:
4304739484

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NESW 13 10S 22E

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPUDDED: **10/29/2007**

15. DATE T.D. REACHED: **1/1/2008**

16. DATE COMPLETED: **5/21/2008**

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5787'GL

18. TOTAL DEPTH: MD **8,405** TVD **8,210**

19. PLUG BACK T.D.: MD **8,360** TVD **8,165**

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, comp 2, CD, CN, Cal, HDI, BPL,

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

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

3. ADDRESS OF OPERATOR:
1368 S 1200 E CITY **VERNAL** STATE **UT** ZIP **84078**

PHONE NUMBER:
(435) 781-7024

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **1566'FSL, 1302'FSL**

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH: ~~725'FSL, 1990'FWL (SE/SW)~~ **713 fsl 2025 fwl**

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#		2,160		850			
7 7/8"	4 1/2 I-80	11.6#		8,405		1540			

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"	6,170							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	6,464	8,290			6,464 8,290	0.36	370	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WSMYD								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
6464'-8290'	PMP 15,014 BBLs SLICK H2O & 540,796# 30/50 SD

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: **RECEIVED**

30. WELL STATUS:
PROD

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/21/2008		TEST DATE: 6/7/2008		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 1,589	WATER – BBL: 312	PROD. METHOD: FLOWING
CHOKE SIZE: 22/64	TBG. PRESS. 960	CSG. PRESS. 1,625	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 1,589	WATER – BBL: 312	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	4,113 6,422				

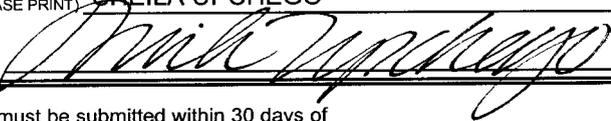
35. ADDITIONAL REMARKS (Include plugging procedure)

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 6/16/2008

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

NBU 1022-13N1S

Measured	Incl	Drift	TRUE	N-S	E-W	Vertical	CLOSURE	CLOSURE	Dogleg
Depth	Angle	Direction	Vertical	FT	FT	Section	Distance	Direction	Severity
FT	Deg	Deg	Depth			FT	FT	Deg	Deg/100
0	0	0	0	0	0	0	0	0	0 Surf Gyro
100	0.25	308.96	100	0.14	-0.17	0.14	0.22	308.96	0.25 Surf Gyro
200	0.5	291.78	200	0.44	-0.74	0.44	0.86	300.37	0.27 Surf Gyro
300	0.25	341.6	300	0.81	-1.22	0.81	1.46	303.46	0.39 Surf Gyro
400	0.25	11.42	399.99	1.23	-1.24	1.23	1.75	314.58	0.13 Surf Gyro
500	0.24	299.24	499.99	1.54	-1.38	1.54	2.07	318.1	0.29 Surf Gyro
600	0.25	38.06	599.99	1.82	-1.43	1.82	2.31	321.75	0.37 Surf Gyro
700	0	0	699.99	1.99	-1.3	1.99	2.37	326.87	0.25 Surf Gyro
800	0.25	37.69	799.99	2.16	-1.16	2.16	2.45	331.69	0.25 Surf Gyro
900	0.5	69.51	899.99	2.49	-0.62	2.49	2.56	345.95	0.32 Surf Gyro
1000	0.75	69.34	999.98	2.87	0.4	2.87	2.9	7.92	0.25 Surf Gyro
1100	1	70.16	1099.97	3.4	1.83	3.4	3.86	28.34	0.25 Surf Gyro
1200	1	64.98	1199.96	4.06	3.44	4.06	5.33	40.29	0.09 Surf Gyro
1300	0.5	336.79	1299.95	4.83	4.06	4.83	6.31	40.06	1.1 Surf Gyro
1400	0.25	274.61	1399.95	5.25	3.67	5.25	6.41	34.98	0.44 Surf Gyro
1500	0.75	116.43	1499.95	4.98	4.04	4.98	6.41	39.08	0.99 Surf Gyro
1600	1	133.35	1599.94	4.09	5.26	4.09	6.66	52.17	0.36 Surf Gyro
1700	1.25	152.16	1699.92	2.52	6.41	2.52	6.89	68.5	0.44 Surf Gyro
1800	1.5	160.98	1799.89	0.32	7.34	0.32	7.35	87.5	0.33 Surf Gyro
1900	1.75	164.79	1899.85	-2.39	8.17	-2.39	8.51	106.3	0.27 Surf Gyro
MD	Incl	Azi	TVD	N/S	E/W	Vs	Dleg	Build	Turn
2,169	1.63	165.68	2,168.88	-10.061	10.194	14.273	0.046	-0.045	0.331 MWD
2,232	2.75	144.3	2,231.84	-12.156	11.297	16.582	2.171	1.778	-33.937 MWD
2,296	4.88	139.3	2,295.69	-15.467	13.969	20.834	3.365	3.328	-7.812 MWD
2,359	6	137.3	2,358.41	-19.919	17.949	26.805	1.803	1.778	-3.175 MWD
2,422	7.31	136.43	2,420.98	-25.243	22.945	34.098	2.085	2.079	-1.381 MWD
2,486	8.88	138.43	2,484.34	-31.889	29.029	43.104	2.492	2.453	3.125 MWD
2,549	10.81	139.3	2,546.41	-40.006	36.109	53.874	3.072	3.063	1.381 MWD
2,612	12.44	141.18	2,608.12	-49.773	44.216	66.566	2.656	2.587	2.984 MWD
2,676	14.06	140.18	2,670.41	-61.115	53.516	81.23	2.556	2.531	-1.563 MWD
2,739	15.69	139.68	2,731.30	-73.489	63.929	97.401	2.595	2.587	-0.794 MWD
2,802	17.25	138.18	2,791.71	-86.946	75.671	115.26	2.566	2.476	-2.381 MWD
2,866	17.94	136.18	2,852.72	-101.13	88.823	134.589	1.433	1.078	-3.125 MWD
2,929	19.56	136.43	2,912.37	-115.772	102.811	154.809	2.575	2.571	0.397 MWD
2,992	20.81	136.3	2,971.50	-131.505	117.812	176.517	1.985	1.984	-0.206 MWD
3,055	22.08	137.7	3,030.14	-148.354	133.513	199.528	2.173	2.016	2.222 MWD
3,119	22.38	137.93	3,089.38	-166.295	149.773	223.731	0.488	0.469	0.359 MWD
3,182	22.81	138.68	3,147.55	-184.37	165.872	247.932	0.822	0.683	1.19 MWD
3,245	23.42	138.71	3,205.49	-202.949	182.197	272.662	0.968	0.968	0.048 MWD
3,308	21.94	138.18	3,263.62	-221.129	198.307	296.95	2.371	-2.349	-0.841 MWD
3,372	24.5	138.8	3,322.43	-240.027	215.023	322.177	4.018	4	0.969 MWD
3,435	26.31	137.68	3,379.33	-260.181	233.029	349.197	2.972	2.873	-1.778 MWD
3,498	26.94	137.05	3,435.65	-280.95	252.153	377.412	1.096	1	-1 MWD
3,561	28.94	136.8	3,491.31	-302.51	272.314	406.902	3.18	3.175	-0.397 MWD
3,625	29.13	138.68	3,547.26	-325.497	293.199	437.947	1.456	0.297	2.937 MWD
3,688	27.56	137.3	3,602.71	-347.726	313.209	467.847	2.7	-2.492	-2.19 MWD
3,751	28.63	136.8	3,658.28	-369.44	333.425	497.49	1.739	1.698	-0.794 MWD
3,815	27.94	136.68	3,714.64	-391.526	354.208	527.784	1.082	-1.078	-0.188 MWD
3,878	27.13	136.55	3,770.51	-412.692	374.213	556.873	1.289	-1.286	-0.206 MWD
3,941	25.06	135.55	3,827.08	-432.647	393.437	584.535	3.359	-3.286	-1.587 MWD
4,005	23.13	136.05	3,885.50	-451.374	411.655	610.61	3.032	-3.016	0.781 MWD
4,068	23.38	135.68	3,943.38	-469.226	428.976	635.437	0.46	0.397	-0.587 MWD
4,131	24.06	139.69	4,001.07	-487.964	446.019	660.754	2.778	1.079	6.365 MWD
4,194	24.25	140.43	4,058.55	-507.73	462.569	686.532	0.567	0.302	1.175 MWD
4,258	23.06	140.43	4,117.17	-527.524	478.926	712.206	1.859	-1.859	0 MWD
4,321	22.81	140.3	4,175.19	-546.43	494.586	736.753	0.405	-0.397	-0.206 MWD
4,385	22.06	141.93	4,234.35	-565.437	509.922	761.164	1.522	-1.172	2.547 MWD
4,448	21.31	141.93	4,292.89	-583.764	524.276	784.42	1.19	-1.19	0 MWD
4,511	20.56	141.18	4,351.73	-601.395	538.27	806.914	1.264	-1.19	-1.19 MWD
4,574	19.94	140.93	4,410.83	-618.354	551.976	828.71	0.994	-0.984	-0.397 MWD
4,637	19.56	140.43	4,470.13	-634.824	565.464	849.993	0.66	-0.603	-0.794 MWD
4,701	17.94	142.3	4,530.73	-650.883	578.318	870.551	2.7	-2.531	2.922 MWD
4,764	17	142.43	4,590.82	-665.86	589.867	889.438	1.493	-1.492	0.206 MWD
4,827	16.38	142.05	4,651.17	-680.164	600.945	907.509	0.999	-0.984	-0.603 MWD
4,922	14.5	143.55	4,742.74	-700.296	616.25	932.754	2.023	-1.979	1.579 MWD
5,017	12.94	143.93	4,835.02	-718.461	629.58	955.221	1.645	-1.642	0.4 MWD
5,113	12.06	142.68	4,928.75	-735.125	641.989	975.949	0.959	-0.917	-1.302 MWD

N-S E-W

5,257	11.19	142.05	5,069.79	-758.107	659.702	1,004.93	0.611	-0.604	-0.438	MWD
5,302	10.44	141.33	5,113.99	-764.733	664.935	1,013.36	1.693	-1.667	-1.6	MWD
5,397	10.13	140.18	5,207.47	-777.87	675.663	1,030.32	0.391	-0.326	-1.211	MWD
5,492	10.06	139.18	5,301.00	-790.566	686.437	1,046.97	0.199	-0.074	-1.053	MWD
5,555	8.75	136.18	5,363.15	-798.188	693.352	1,057.26	2.22	-2.079	-4.762	MWD
5,618	8.19	136.8	5,425.46	-804.916	699.742	1,066.52	0.901	-0.889	0.984	MWD
5,681	7.13	137.8	5,487.90	-811.084	705.44	1,074.92	1.696	-1.683	1.587	MWD
5,744	5.81	146.05	5,550.50	-816.626	709.847	1,081.99	2.558	-2.095	13.095	MWD
5,808	4.88	154.8	5,614.22	-821.777	712.816	1,087.83	1.928	-1.453	13.672	MWD
5,871	4.06	158.3	5,677.03	-826.274	714.781	1,092.53	1.371	-1.302	5.556	MWD
5,934	3.75	151.3	5,739.88	-830.153	716.595	1,096.65	0.902	-0.492	-11.111	MWD
5,997	2.69	152.93	5,802.78	-833.276	718.257	1,100.11	1.689	-1.683	2.587	MWD
6,061	1.38	153.8	5,866.74	-835.305	719.281	1,102.31	2.047	-2.047	1.359	MWD
6,124	1.38	158.3	5,929.72	-836.691	719.897	1,103.77	0.172	0	7.143	MWD
6,187	0.94	174.55	5,992.71	-837.91	720.226	1,104.91	0.865	-0.698	25.794	MWD
6,251	0.81	172.18	6,056.70	-838.881	720.338	1,105.72	0.211	-0.203	-3.703	MWD
6,314	1.25	168.43	6,119.69	-839.995	720.536	1,106.69	0.706	0.698	-5.952	MWD
6,377	1.13	154.93	6,182.68	-841.231	720.937	1,107.89	0.483	-0.19	-21.429	MWD
6,472	1.56	154.55	6,277.65	-843.247	721.89	1,110.04	0.453	0.453	-0.4	MWD
6,566	0.44	202.3	6,371.63	-844.737	722.303	1,111.44	1.389	-1.191	50.798	MWD
6,661	0.75	187.3	6,466.63	-845.691	722.085	1,112.02	0.362	0.326	-15.789	MWD
6,757	0.75	160.3	6,562.62	-846.906	722.217	1,113.03	0.365	0	-28.125	MWD
6,851	1	169.8	6,656.61	-848.292	722.57	1,114.31	0.307	0.266	10.106	MWD
6,946	1.13	169.3	6,751.59	-850.028	722.89	1,115.84	0.137	0.137	-0.526	MWD
7,041	1.31	175.3	6,846.57	-852.031	723.153	1,117.53	0.232	0.189	6.316	MWD
7,073	1.31	173.3	6,878.56	-852.759	723.226	1,118.13	0.143	0	-6.25	MWD
8,405	1.97		8,210.01							

Totco dropped when tripped bit at TD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-13N1S
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047394840000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1566 FSL 1302 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/4/2009	<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 11/04/2009.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 05, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/5/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST	
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 Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: NBU 1022-13N1S
PHONE NUMBER: 720 929-6511	9. API NUMBER: 43047394840000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1566 FSL 1302 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/23/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests authorization to recomplete the subject well. The operator requests approval to recomplete the Wasatch formation. The operator will commingle the Wasatch and the Mesaverde formations. Please see the attached procedure. Thank you.

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

Date: March 29, 2012

By: *D. K. Duff*

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/23/2012	

Greater Natural Buttes Unit



NBU 1022-13N1S
RE-COMPLETIONS PROCEDURE

DATE:3/12/2012
AFE#:
API#:4304739484
USER ID:WIU473 (Frac Invoices Only)

COMPLETIONS ENGINEER: RACHAELHILL, Denver, CO
(720)-929-5699 (Office)
(303)-907-9167 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: NBU 1022-13N1S
Location: NE SE SW SEC 13 T10S R22E
LAT: 39.945953 **LONG: -109.392972** **COORDINATE: NAD83 (Surface)**
Uintah County, UT
Date: 3/12/2012

ELEVATIONS: 5287' GL 5306' KB *Frac Registry TVD: 8210*

TOTAL DEPTH: 8405' **PBTD:** 8360'
SURFACE CASING: 9 5/8", 36# J-55 LT&C @ 2137'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8405'
 Marker Joint **3906-3925'**

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:

1035' Green River Top
 1281' Bird's Nest Top
 1675' Mahogany Top
 4113' Wasatch Top
 6337' Mesaverde Top

BOTTOMS:

6337' Wasatch Bottom
 8405' Mesaverde Bottom (TD)

T.O.C. @ 200' & HYDRAULIC ISOLATION @ 640' from Cutters CBL 3/14/08

GENERAL:

- A minimum of **5** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 1/2/2008
- **2** fracturing stages required for coverage.
- Procedure calls for **3** 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.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Tubing Currently Landed @~6151
- Originally completed on 4/21/2008

Existing Perforations:

<u>PERFORATIONS</u>						
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>
MESA VERDE		6464	6474	4	40	04/21/2008
MESA VERDE		6592	6597	4	20	04/21/2008
MESA VERDE		6663	6668	4	20	04/21/2008
MESA VERDE		6844	6848	4	16	04/21/2008
MESA VERDE		6886	6892	4	24	04/21/2008
MESA VERDE		7015	7018	3	9	04/21/2008
MESA VERDE		7054	7058	4	16	04/21/2008
MESA VERDE		7125	7130	4	20	04/21/2008
MESA VERDE		7245	7248	4	12	04/21/2008
MESA VERDE		7318	7322	4	16	04/21/2008
MESA VERDE		7376	7380	4	16	04/21/2008
MESA VERDE		7560	7570	4	40	04/21/2008
MESA VERDE		7687	7695	3	24	04/21/2008
MESA VERDE		7781	7785	4	16	04/21/2008
MESA VERDE		7962	7965	3	9	04/21/2008
MESA VERDE		7997	8003	4	24	04/21/2008
MESA VERDE		8039	8041	4	8	04/21/2008
MESA VERDE		8202	8206	4	16	04/21/2008
MESA VERDE		8282	8290	3	24	04/21/2008

Relevant History:

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
4/12/2011	<u>SUPERVISOR:</u> 7:00 -	JAY AGUINIGA	PROD	35	G	P	<p><u>DWC:</u> \$650.00 <u>CWC:</u> \$650.00 <u>MD:</u></p> <p>Travel to location rig up went in with jdc stacked out at 6147 beat down latch on plunger came out had viper plunger went back in latch on spring hit oil jars 3 broke loose came out had a standard spring put on bailer run T.D stacked out at 7553 beat down came out bailer had some sand scratch and brouch tubing had some scale and sand came out 1.90 brouch was clean plunger was good standard spring had some scale clean spring drop standard spring and a new viper plunger chase to bottom came out rig down travel to next location. FLUID LEVEL5800SEAT NIPPLE DEPTH6147 SN TYPEXTD (Max Depth)7553</p> <p>JOB DETAILS SPRING AND/OR PRODUCTION TOOL DETAIL Spring OutUsed-StandardSpring InUsed-Standard Stuck SpringYes, stuck but able to latch onCorrosion on SpringNo Bailed AcidNo Broken SpringNoScale on SpringYes Production ToolsNoneDepth of Tool Other HardwareNone PLUNGER DETAIL Stuck PlungerYes, stuck but able to latch onCorrosion on PlungerNo Broken PlungerNoScale on PlungerNo SOLIDS DETAIL Tight SpotsNoneSeverity of TrashLight Solid sample to turn inYesSolid Sample SourceTubing Speculated Type of SolidIron SulfideSpeculated Depth of Solid LOST SLICKLINE TOOLS Slickline Tools LostNoDepth of Tool</p>

H2S History:

NBU 1022-13N1S			
		Max(Separ ator H2S (ppm))	Max(Tank H2S (ppm))
2009	Feb	0	0
2009	Mar	20	0
2009	Apr	100	0
2009	May	76	61
2009	Jun	3	0
2009	Jul	119	0
2009	Aug	7	0
2009	Sep	40	0
2009	Nov	38	0
2009	Dec	70	0
2010	Jan	0	0
2010	Feb	80	0
2010	Mar	73	0
2010	Apr	70	0
2010	May	90	0
2010	Jun	120	0
2010	Jul	80	0
2010	Aug	70	0
2010	Sep	70	0
2010	Oct	66	0
2010	Dec	103	0
2011	Jan	65	0
2011	Mar	11	0
2011	Apr	164	0
2011	May	16	0
2011	Jun	15	0
2011	Jul	13	0
2011	Aug	9	0
2011	Sep	12	0
2011	Oct	61	0
2011	Nov	203	0
2011	Dec	72	0
2012	Jan	68	0
2012	Feb	56	0

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~6151'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 5976 (50' below proposed CBP). Otherwise P/U a mill and C/O to 5976 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 5926'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5652	5654	3	6
WASATCH	5704	5706	3	6
WASATCH	5766	5768	3	6
WASATCH	5785	5786	3	3
WASATCH	5875	5876	3	3
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~5652' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~5520'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5337	5338	4	4
WASATCH	5402	5404	4	8
WASATCH	5411	5412	4	4
WASATCH	5488	5490	4	8
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5337' and flush only with recycled water.
9. Set 8000 psi CBP at~5287'.
10. ND Frac Valves, NU and Test BOPs.
11. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
12. Mill 2 plugs and clean out to a depth of 5906'.
13. Land tubing at 5307', drop ball and pump open sub. Flow back completion load. RDMO
14. MIRU, POOH tbg and mill. TIH with POBS and mill.

15. Mill last plug @ 5926' clean out to PBSD at 8360'. Land tubing at ±6151' pump off bit and bit sub. **This well WILL be commingled at this time.**
16. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
17. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

For design questions, please call

Rachael Hill, Denver, CO

(720)-929-6599 (Office)

(303)-907-9167 (Cell)

For field implementation questions, please call

Jeff Samuels, Vernal, UT

435-781 7046 (Office)

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

Total Stages	2	stages
Last Stage Flush	3484	gals

Service Company Supplied Chemicals - Job Totals

Friction Reducer	33	gals @	0.5	GPT
Surfactant	67	gals @	1.0	GPT
Clay Stabilizer	67	gals @	1.0	GPT
15% Hcl	500	gals @	250	gal/stg
Iron Control for acid	3	gals @	5.0	GPT of acid
Surfactant for acid	1	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	1	gals @	2.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	195	gals pumped per schedule above
Biocide	33	gals @ 0.5 GPT

Name NBU 1022-13N1S
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	5652	5654	3	6	5641	to	5657
	WASATCH	5704	5706	3	6	5694	to	5709
	WASATCH	5766	5768	3	6	5760	to	5772
	WASATCH	5785	5786	3	3	5783	to	5790
	WASATCH	5875	5876	3	3	5872	to	5884
	WASATCH							
	WASATCH							
	# of Perfs/stage				24	CBP DEPTH	5,520	
2	WASATCH	5337	5338	4	4	5333	to	5342
	WASATCH	5402	5404	4	8	5398	to	5407
	WASATCH	5411	5412	4	4	5410	to	5415
	WASATCH	5488	5490	4	8	5484.5	to	5493.5
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	# of Perfs/stage				24	CBP DEPTH	5,287	
	Totals				48			

Acid Pickling and H2S Procedures (If Required)

**PROCEDURE FOR PUMPING ACID DOWN TBG

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.

2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Completion Engineer

Rachael Hill: 303-907-9167, 720-929-6599

Production Engineer

Ben Smiley: 936-524-4231, 435-781-7010

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

NBU 1022-13N1S						
MD	TVD	INC		MD	TVD	INC
0	0	0		3815	3714.64	27.94
100	100	0.25		3878	3770.51	27.13
200	200	0.5		3941	3827.08	25.06
300	300	0.25		4005	3885.5	23.13
400	399.99	0.25		4068	3943.38	23.38
500	499.99	0.24		4131	4001.07	24.06
600	599.99	0.25		4194	4058.55	24.25
700	699.99	0		4258	4117.17	23.06
800	799.99	0.25		4321	4175.19	22.81
900	899.99	0.5		4385	4234.35	22.06
1000	999.98	0.75		4448	4292.89	21.31
1100	1099.97	1		4511	4351.73	20.56
1200	1199.96	1		4574	4410.83	19.94
1300	1299.95	0.5		4637	4470.13	19.56
1400	1399.95	0.25		4701	4530.73	17.94
1500	1499.95	0.75		4764	4590.82	17
1600	1599.94	1		4827	4651.17	16.38
1700	1699.92	1.25		4922	4742.74	14.5
1800	1799.89	1.5		5017	4835.02	12.94
1900	1899.85	1.75		5113	4928.75	12.06
2169	2168.88	1.63		5257	5069.79	11.19
2232	2231.84	2.75		5302	5113.99	10.44
2296	2295.69	4.88		5397	5207.47	10.13
2359	2358.41	6		5492	5301	10.06
2422	2420.98	7.31		5555	5363.15	8.75
2486	2484.34	8.88		5618	5425.46	8.19
2549	2546.41	10.81		5681	5487.9	7.13
2612	2608.12	12.44		5744	5550.5	5.81
2676	2670.41	14.06		5808	5614.22	4.88
2739	2731.3	15.69		5871	5677.03	4.06
2802	2791.71	17.25		5934	5739.88	3.75
2866	2852.72	17.94		5997	5802.78	2.69
2929	2912.37	19.56		6061	5866.74	1.38
2992	2971.5	20.81		6124	5929.72	1.38
3055	3030.14	22.08		6187	5992.71	0.94
3119	3089.38	22.38		6251	6056.7	0.81
3182	3147.55	22.81		6314	6119.69	1.25
3245	3205.49	23.42		6377	6182.68	1.13
3308	3263.62	21.94		6472	6277.65	1.56
3372	3322.43	24.5		6566	6371.63	0.44
3435	3379.33	26.31		6661	6466.63	0.75
3498	3435.65	26.94		6757	6562.62	0.75
3561	3491.31	28.94		6851	6656.61	1
3625	3547.26	29.13		6946	6751.59	1.13
3688	3602.71	27.56		7041	6846.57	1.31
3751	3658.28	28.63		7073	6878.56	1.31

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:
STUO-08512-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
UTU63047A

8. WELL NAME and NUMBER:
NBU 1022-13N1S

9. API NUMBER:
4304739484

10. FIELD AND POOL, OR WLD/CAT
NATURAL BUTTES

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NESW 13 10S 22E

12. COUNTY
UINTAH

13. STATE
UTAH

14. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

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

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE, L.P.

3. ADDRESS OF OPERATOR: P.O. BOX 173779 CITY **DENVER** STATE **CO** ZIP **80217** PHONE NUMBER: **(720) 929-6304**

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **NESW 1566 FSL 1302 FWL S13,T10S,R22E**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **SESW 801 FSL 1967 FWL S13,T10S,R22E**
AT TOTAL DEPTH: **SESW 713 FSL 2025 FWL S13,T10S,R22E**

15. DATE T.D. REACHED: **1/1/2008**

16. DATE COMPLETED: **5/14/2012** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **5787 GL**

18. TOTAL DEPTH: MD **8,405** TVD **8,210**

19. PLUG BACK T.D.: MD **8,360** TVD **8,165**

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)

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#	0	40		28			
12 1/4"	9 5/8" J-55	32.3#36#	0	2,160		850			
7 7/8"	4 1/2" I-80	11.6#	0	8,405		1,540			

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"	6,142							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	5,337	5,876			5,337 5,876	0.36	48	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
5337-5876	PUMP 1952 BBLs SLICK H2O & 53,800 LBS 30/50 OTTAWA SAND 2 STAGES

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:

RECEIVED PROD

AUG 07 2012

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 5/14/2012		TEST DATE: 7/2/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 0	GAS - MCF: 978	WATER - BBL: 0	PROD. METHOD: FLOWING
CHOKE SIZE: 26/64	TBG. PRESS. 261	CSG. PRESS. 751	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 978	WATER - BBL: 0	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.)

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)
				GREEN RIVER	1,035
				BIRD'S NEST	1,281
				MAHOGANY	1,675
				WASATCH	4,113
				MESAVERDE	6,337

35. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are: Wasatch 5337-5876'; existing perforations: Mesaverde 6464-8290'. The Iso plug separating new perforations from old perforations was drilled out on 6/25/12. Test information is production from all Wasatch/ Mesaverde perforations.

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

NAME (PLEASE PRINT) CARA MAHLER

TITLE REGULATORY ANALYST

SIGNATURE 

DATE 8/2/2012

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

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-13N1S YELLOW Spud Date: 10/29/2007
 Project: UTAH-UINTAH Site: WHITE RIVER PAD Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3, ROCKY MOUNTAIN WELL SERVICE 3/3
 Event: RECOMPL/RESEREVEADD Start Date: 4/25/2012 End Date: 6/26/2012
 Active Datum: RKB @5,306.00usft (above Mean Sea Level) UWI: NBU 1022-13N1S

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/1/2012	7:00 - 7:15 7:15 - 16:30	0.25 9.25	ABANDZ ABANDZ	48 31	I	P P		HSM - JSA RDMO NBU 1022-13N2S, MIRU, NDWH, NUBOP, UNLAND TBG, R/U SCAN TECH, POOH SCAN L/D ON FLOAT 196 JTS 2 3/8" J-55 TBG, ALL 196 JTS YELLOW BAND, R/D SCAN TECH, MIRU J-W WIRELINE, RIH W/ GAUGE RING & TRASH BASKET, NO TIGHT SPOTS CAME BACK CLEAN, RIH W/ HAL 10K CBP SET @ 5,930', R/D J-W, R/D FLOOR & TBG EQUIP, NDBOP, NUFV, RDMO, MIRU ON NBU 1022-13M2CS, SDFN
5/3/2012	8:20 - 9:40	1.33	ABANDZ	33	C	P		MIRU B & C QUICKTEST, PRESS TEST FRAC VALVES & CSG TO 1,000 PSI FOR 15 MIN LOST 7 PSI, 3,500 PSI FOR 15 MIN LOST 28 PSI, 6,200 PSI FOR 30 MIN LOST 34 PSI, RDMO B & C
5/4/2012	9:00 - 12:00	3.00		37		P		PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER PERF DESIGN. POOH. SWIFW
5/7/2012	7:00 - 18:00	11.00	FRAC	36	B	P		FRAC STG 1)WHP 20 PSI, BRK 3297 PSI @ 10.1 BPM. ISIP 1553 PSI, FG .70. CALC PERFS OPEN @ 49.8 BPM @ 3214 PSI = 100% HOLES OPEN. (24/24 HOLES OPEN) ISIP 1654 PSI, FG .72, NPI 100 PSI. MP 4479 PSI, MR 55.9 BPM, AP 3655 PSI, AR 53.1 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. PERF STG 2)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5520' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW. FRAC STG 2)WHP 264 PSI, BRK 3855 PSI @ 4.8 BPM. ISIP 1387 PSI, FG .69. CALC PERFS OPEN @ 49.6 BPM @ 4815 PSI = 67% HOLES OPEN. (16/24 HOLES OPEN) ISIP 1498 PSI, FG .71, NPI 111 PSI. MP 5641 PSI, MR 50.2 BPM, AP 4014 PSI, AR 47.7 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. PU 4 1/2 8K HAL CBP. RIH SET CBP @ 5287'. POOH. DONE FRACING THIS WELL. TOTAL SAND = 53,800 LBS TOTAL CLFL = 1952 BBL
5/14/2012	7:00 - 7:15	0.25	DRLOUT	48		P		HSM - JSA

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-13N1S YELLOW			Spud Date: 10/29/2007		
Project: UTAH-UINTAH		Site: WHITE RIVER PAD		Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3, ROCKY MOUNTAIN WELL SERVICE 3/3	
Event: RECOMPL/RESEREVEADD		Start Date: 4/25/2012		End Date: 6/26/2012	
Active Datum: RKB @5,306.00usft (above Mean Sea Level)			UWI: NBU 1022-13N1S		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 18:00	8.75	DRLOUT	44	C	P		<p>MIRU, NDWH, NUBOP, P/U 3 7/8" BIT, XN SN, PUMP OPEN BIT SUB, RIH W/ 2 3/8" J-55 TBG OFF FLOAT, RIH TAG FILL @ 5,273', R/U PWR SWIVEL, BRK CIRC W/ RIG PUMP, PRESS TEST BOP TO 3,000 PSI LOST 0 PSI IN 15 MIN.</p> <p>C/O 25' SAND TAG PLUG #1 @ 5,298', DRL HAL 8K CBP IN 3 MIN, 0 PSI INC, FCP 0 PSI, RIH TAG FILL @ 5,475'.</p> <p>C/O 45' SAND TAG PLUG #2 @ 5,520', DRL HAL 8K CBP IN 6 MIN, 100 PSI INC, FCP 250 PSI, RIH TAG FILL @ 5,846'.</p> <p>C/O 75' SAND TO 5,921', 5' ABOVE ISO PLUG, CIRC WELL CLEAN, R/D PWR SWIVEL.</p> <p>POOH L/D 20 JTS ON FLOAT, LAND TBG W/ 168 JTS J-55 EOT @ 5,293.32', R/D FLOOR & TBG EQUIP, NDBOP, NUWH, DROP BALL PUMP OPEN BIT @ 2,000 PSI, R/D FOAM UNIT, TURN OVER TO FBC, SICP 1,000 PSI, SITP 780 PSI.</p> <p>RDMO, MIRU ON NBU 1022-13N2S, SDFN</p> <p>KB-19' HANGER-.83' 168 JTS 2 3/8" J-55- 5,271.29' POBS-2.20' EOT @ 5,293.32'</p> <p>28 JTS (878.92') 2 3/8" J-55 YELLOW BAND SENT TO SAMUELS YARD</p> <p>TWTR=2,082 BBLS TWR=320 BBLS TWLTR=1,762 BBLS</p>
	15:30 - 16:00	0.50	DRLOUT	50				WELL TURNED TO SALES @ 15:30 HR ON 5/14/2012- 52500 MCFD, 960 BWPD, FCP 1145#, FTP 151#, 20/64".
6/22/2012	10:00 - 11:00	1.00	DRLOUT	30	A	P		MIRU
	11:00 - 13:00	2.00	DRLOUT	31	I	P		FCP & FTP = 150#, CNTRL TBG W/ 20 BBLS, N/D WH, N/U BOPS, UNLAND TBG POOH W/ 168 JTS 2 3/8" J-55 TBG, L/D POPBS
	13:00 - 15:00	2.00	DRLOUT	31	I	P		P/U 3 7/8" SBB, POBS, 1.875" XN NIPPLE, RIH W/ 168JTS 2 3/8" J-55 TBG EOT @ 5275', CSG TO SALES, SHUT TBG IN, SDFWE
6/25/2012	7:00 - 7:15	0.25	DRLOUT	48		P		HSM-JSA

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-13N1S YELLOW		Spud Date: 10/29/2007	
Project: UTAH-UINTAH		Site: WHITE RIVER PAD	Rig Name No: ROCKY MOUNTAIN WELL SERVICE 3/3, ROCKY MOUNTAIN WELL SERVICE 3/3
Event: RECOMPL/RESEREVEADD		Start Date: 4/25/2012	End Date: 6/26/2012
Active Datum: RKB @5,306.00usft (above Mean Sea Level)		UWI: NBU 1022-13N1S	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 17:30	10.25	DRLOUT	44	C	P		P/U 2 3/8" TBG OFF FLOAT RIH W/ 18 JTS TAG FILL @ 5,855', R/U PWR SWMVEL, R/U WEATHERFORD FOAM UNIT BREAK CIRC, C/O 71' SAND TAG ISO PLUG @ 5,926', D/O HAL 8K CBP CIRC CLEAN CONT RIH TAG @ 7,116' C/O TO 7,151' CONT RIH TAG @ 7,586' C/O TO 7,600' CONT RIH TAG @ 8,280' C/O TO 8,311' (21' BELOW BTM PERF) TAG OLD POBS, CIRC CLEAN, R/D POWER SWMVEL & FOAM UNIT, POOH L/D 24 JTS TBG ON FLOAT, REMOVE STRING FLOAT, SWFVN.
6/26/2012	7:00 - 7:15	0.25	DRLOUT	48		P		HSM-JSA
	7:15 - 12:00	4.75	DRLOUT	31	I	P		ITP 500 PSI, FCP 250 PSI, CONTROL WELL W/ 30 BBLS TMAC, POOH L/D 45 JTS TBG ON FLOAT, STD BACK 195 JTS, L/D POBS, P/U XN NOTCH COLLAR RIH W/ 100JTS 2 3/8" J-55 TBG R/U SWAB TOOLS BROACH TO SN, RIH W/ 95 JTS BROACH TO 3,000' R/D SWAB TOOLS, LAND TBG @ 6,142.30', R/D FLOOR & TBG EQUIP, NDBOP, NUWH, RDMO
								KB-19' HANGER-.83' 195 JTS 2 3/8" J-55-6,121.42' EOT @ 6,142.30'
								TWTR=410 BBLS TWR=427 BBLS TWLTR=0 BBLS

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 1022-13N1S YELLOW	Wellbore No.	OH
Well Name	NBU 1022-13N1S	Wellbore Name	NBU 1022-13N1S
Report No.	1	Report Date	4/25/2012
Project	UTAH-UINTAH	Site	WHITE RIVER PAD
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	4/25/2012	End Date	6/26/2012
Spud Date	10/29/2007	Active Datum	RKB @5,306.00usft (above Mean Sea Level)
UWI	NBU 1022-13N1S		

1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

1.4 Initial Conditions

Fluid Type		Fluid Density	
Surface Press		Estimate Res Press	
TVD Fluid Top		Fluid Head	
Hydrostatic Press		Press Difference	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	5,337.0 (usft)-5,876.0 (usft)	Start Date/Time	4/25/2012 12:00AM
No. of Intervals	9	End Date/Time	4/25/2012 12:00AM
Total Shots	48	Net Perforation Interval	14.00 (usft)
Avg Shot Density	3.43 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

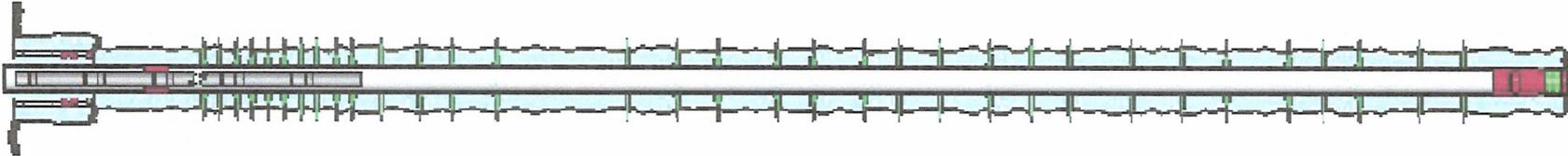
Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/25/2012 12:00AM	WASATCH/			5,337.0	5,338.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	N

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/25/2012 12:00AM	WASATCH/			5,402.0	5,404.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,411.0	5,412.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,488.0	5,490.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,652.0	5,654.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,704.0	5,706.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,766.0	5,768.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,785.0	5,786.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
4/25/2012 12:00AM	WASATCH/			5,875.0	5,876.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 1022-13N1S	
9. API NUMBER: 43047394840000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: UINTAH	
STATE: UTAH	

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 Gas Well	11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6456
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1566 FSL 1302 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S	

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: 7/7/2016	<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: <input style="width: 100px;" type="text"/>

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

The NBU 1022-13N1S well was returned to production on 7/7/2016.
 Thank you.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 July 13, 2016**

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 7/11/2016	