



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

June 28, 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 1022-13K3S 1610'FSL, 1343'FWL (Surface)
1370'FSL, 1975'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 June 28, 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 1022-13K3S 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 1022-13K3S | |
| 3. ADDRESS OF OPERATOR: 1368 S 1200 E VERNAL UT 84078 | | PHONE NUMBER: (435) 781-7024 | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1610'FSL, 1343'FWL AT PROPOSED PRODUCING ZONE: 1370'FSL, 1975'FWL NESW | | 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) 1343' | 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: 8,190 | 20. BOND DESCRIPTION: 22013542 | |
| 21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5287'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 | 8,190 | 1310 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 *[Signature]* DATE 6/27/2007

(This space for State use only)

Approved by the
Utah Division of
Oil, Gas and Mining

RECEIVED
AUG 06 2007

API NUMBER ASSIGNED: 43-047-33481

APPROVAL:
Date: 09-11-07
By: *[Signature]*

DIV. OF OIL, GAS & MINING

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

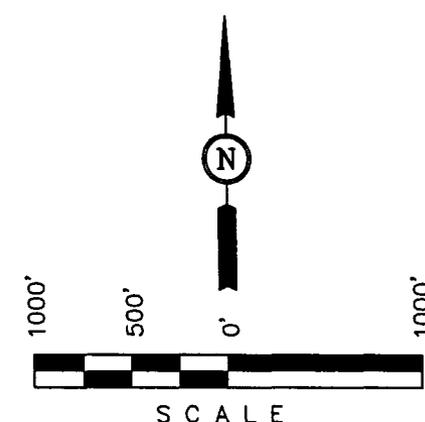
Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-13K3S, 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

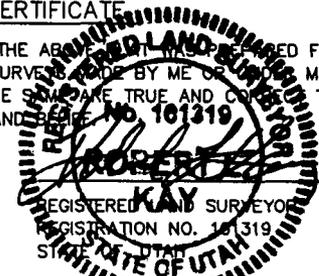
TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING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

| LINE TABLE | | |
|------------|-------------|---------|
| LINE | DIRECTION | LENGTH |
| L1 | S69°00'59"E | 669.54' |



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.



UINTAH 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 |

N89°52'46"W - 5313.33' (Meas.)

1991 Alum. Cap,
1.3' High, Pile of
Stones, Steel Post

Marked Stone,
(Not Set), Pile
of Stones

S02°04'08"E - 2672.40' (Meas.)

White River

W.C.
1991 Alum. Cap, 0.2' High,
Pile of Stones (True
Position N00°01'W 118.14'
and West 858.00' G.L.O.)

| LINE | DIRECTION | LENGTH |
|------|-------------|---------|
| L1 | S69°00'59"E | 669.54' |

13

N00°00'53"W - 2649.61' (Meas.)

1995 Alum. Cap,
Pile of Stones,
Steel Post

True Position
N82°09'38"W
866.13'

NBU #1022-13K3S
Elev. Ungraded Ground = 5284'

1343'

1975'

BOTTOM
HOLE

White River

S00°01'05"E - 2641.06' (Meas.)

1991 Alum. Cap,
0.4' High, Pile
of Stones, Steel
Post

N01°49'21"E - 2634.98' (Meas.)

1610'

1370'

True
Position
132.00'
(G.L.O.)

N89°58'46"W - 2626.88' (Meas.)

W.C.
1991 Alum. Cap,
0.4' High, Steel
Post

S89°54'34"W - 2675.19' (Meas.)

1991 Alum. Cap,
0.5' High, Pile
of
Stones

R
22
E

BASIS OF BEARINGS

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

(NAD 83)
 LATITUDE = 39°56'45.85" (39.946069)
 LONGITUDE = 109°23'34.16" (109.392822)
 (NAD 27)
 LATITUDE = 39°56'45.97" (39.946381)
 LONGITUDE = 109°23'31.71" (109.392142)

LEGEND:

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

W 1/4 Cor. Sec. 24,
1991 Alum. Cap, 0.3'
High, Pile of Stones

N00°20'00"W -
2501.73' (Meas.)

**NBU 1022-13K3S
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 | 946' |
| Top of Birds Nest Water | 1265' |
| Mahogany | 1623' |
| Wasatch | 3998' |
| Mesaverde | 6234' |
| MVU2 | 7072' |
| MVL1 | 7631' |
| TD | 8190' |

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

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> |
|------------------|-------------------------|--------------|
| Water | Green River | 946' |
| | Top of Birds Nest Water | 1265' |
| | Mahogany | 1623' |
| Gas | Wasatch | 3998' |
| | Mesaverde | 6234' |
| Gas | MVU2 | 7072' |
| Gas | MVL1 | 7631' |
| 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 8190' TD, approximately equals 5078 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3276 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.

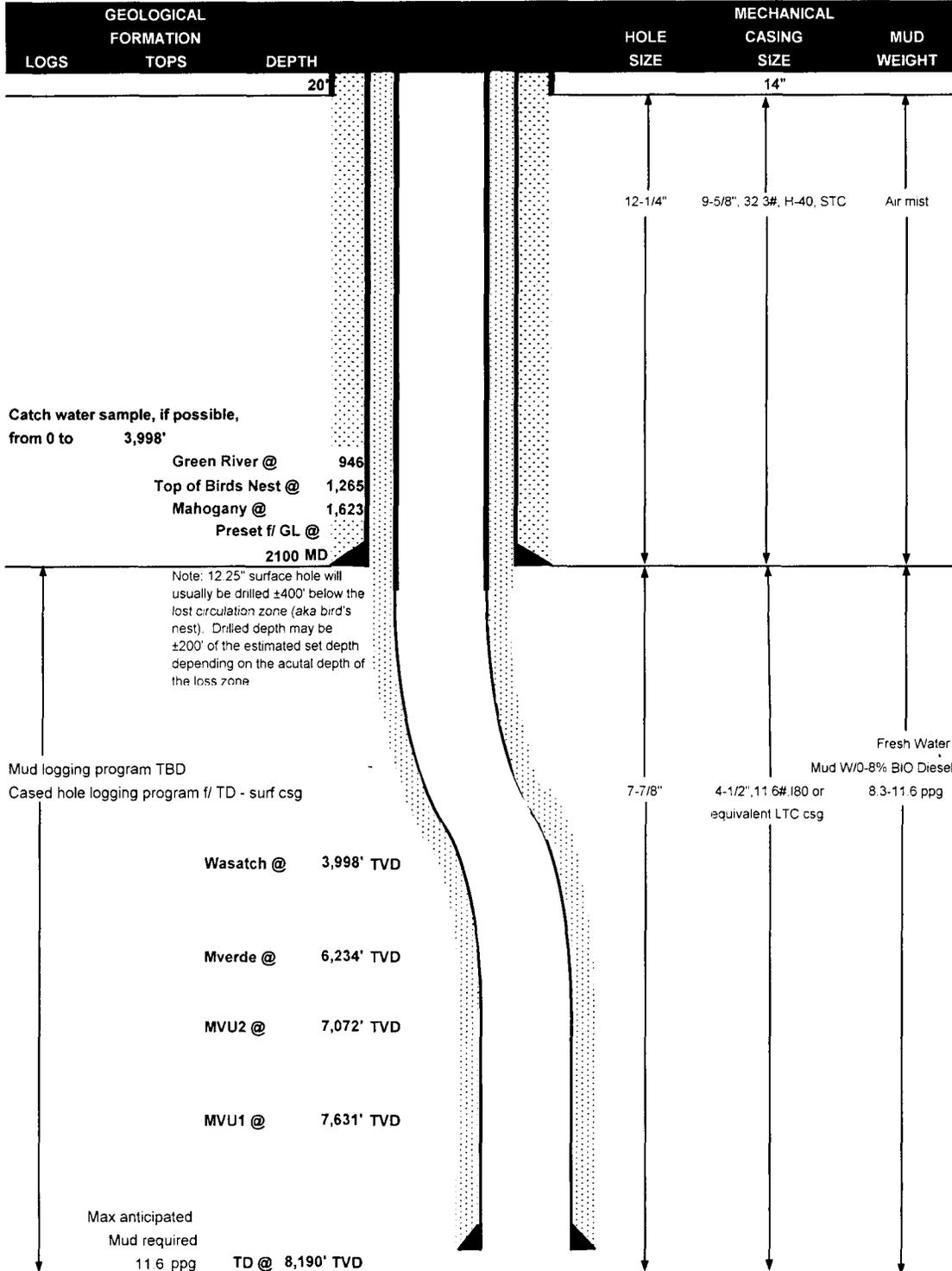
10. **Other Information:**

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 25, 2007
 WELL NAME NBU 1022-13K3S TD 8,190' TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,287' GL KB 5,302'
 SURFACE LOCATION NE/SW SEC. 13, T10S, R22E 1610'FSL, 1343'FWL
 Latitude: 39.946069 Longitude: 109.392822
 BTM HOLE LOCATION SW/NE/SW SEC. 13, T10S, R22E 1370'FSL, 1975'FWL
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: UDOGM (MINERALS AND SURFACE), BLM, Tri-County Health Dept.





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 | 0.72***** | 1.39 | 4.28 |
| PRODUCTION | 4-1/2" | 0 to 8190 | 11.60 | I-80 | LTC | 7780 | 6350 | 201000 |
| | | | | | | 2.48 | 1.29 | 2.42 |

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac gradient x TVD of next csg point))
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 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 3138 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 | 215 | 60% | 15.60 | 1.18 |
| | Option 1 | | + .25 pps flocele | | | | |
| | TOP OUT CMT (1) | 200 | 20 gals sodium silicate + Premium cmt | 50 | | 15.60 | 1.18 |
| | | | + 2% CaCl + .25 pps flocele | | | | |
| | TOP OUT CMT (2) | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| SURFACE | Option 2 | | NOTE: If well will circulate water to surface, option 2 will be utilized | | | | |
| | LEAD | 1500 | 65/35 Poz + 6% Gel + 10 pps gilsonite | 360 | 35% | 12.60 | 1.81 |
| | | | + .25 pps Flocele + 3% salt BWOW | | | | |
| | TAIL | 500 | Premium cmt + 2% CaCl | 180 | 35% | 15.60 | 1.18 |
| | | | + .25 pps flocele | | | | |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| PRODUCTION | LEAD | 5,730' | Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 620 | 60% | 11.00 | 3.38 |
| | TAIL | 2,460' | 50/50 Poz/G + 10% salt + 2% gel + .1% R-3 | 690 | 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.

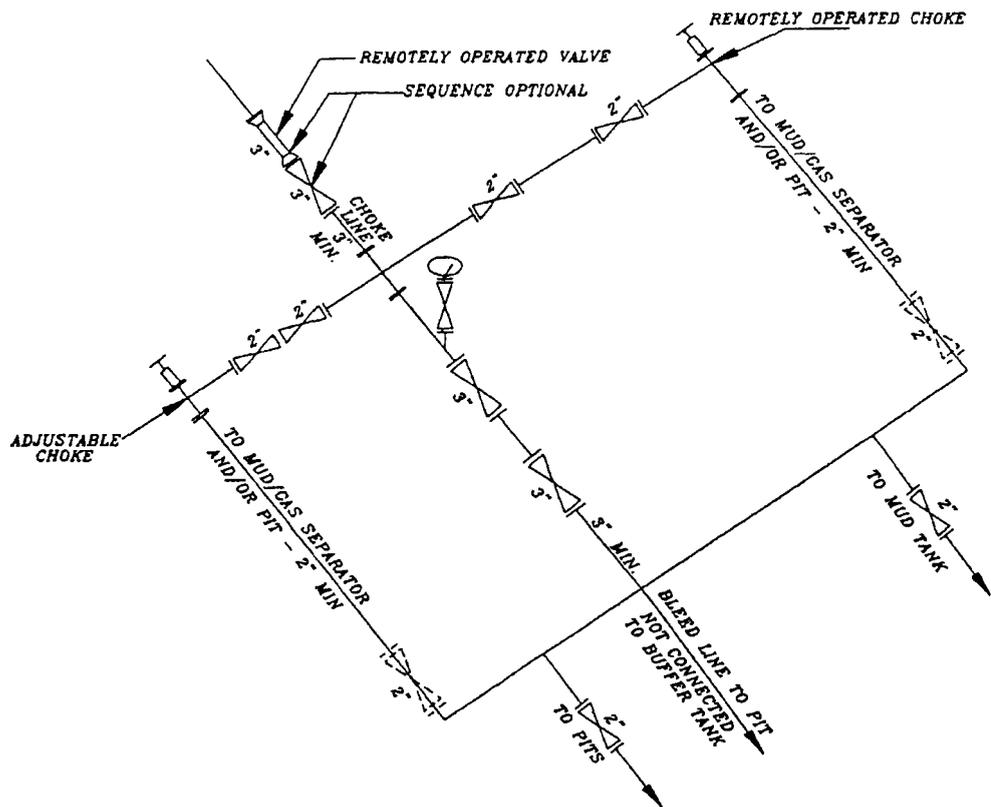
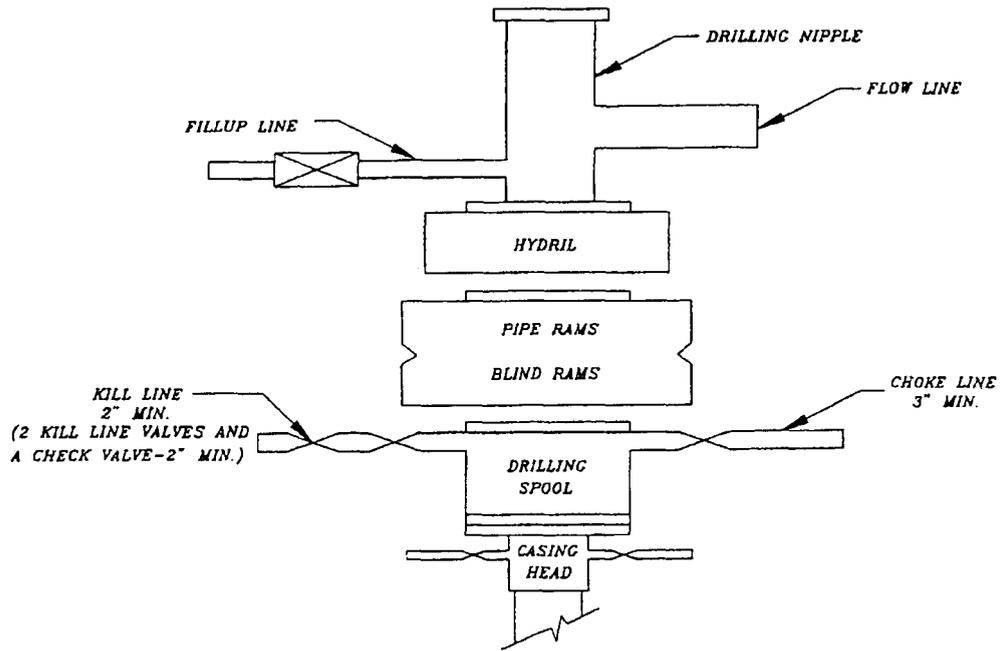
DRILLING ENGINEER: _____
Brad Laney

DATE: _____

DRILLING SUPERINTENDENT: _____
Randy Bayne NBU1022-13K3S DHD

DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 1022-13K3S
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 double felt. The liner will be approximately 60 mil in thickness versus our standard 20 mil and the reserve pits will also have a leak detection 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

6/15/2007
Date



Weatherford

Drilling Services

Proposal



ANADARKO - KERR McGEE

NBU#1022-13K3S

UINTAH COUNTY, UTAH

WELL FILE: PLAN1

DATE: JULY 05, 2007

Weatherford International, Ltd.
15710 John F. Kennedy Blvd
Houston, Texas 77032 USA
+1.281.260.1300 Main
+1.281.260.4730 Fax
www.weatherford.com

KB = 5302'
GR = 5287'

SECTION DETAILS

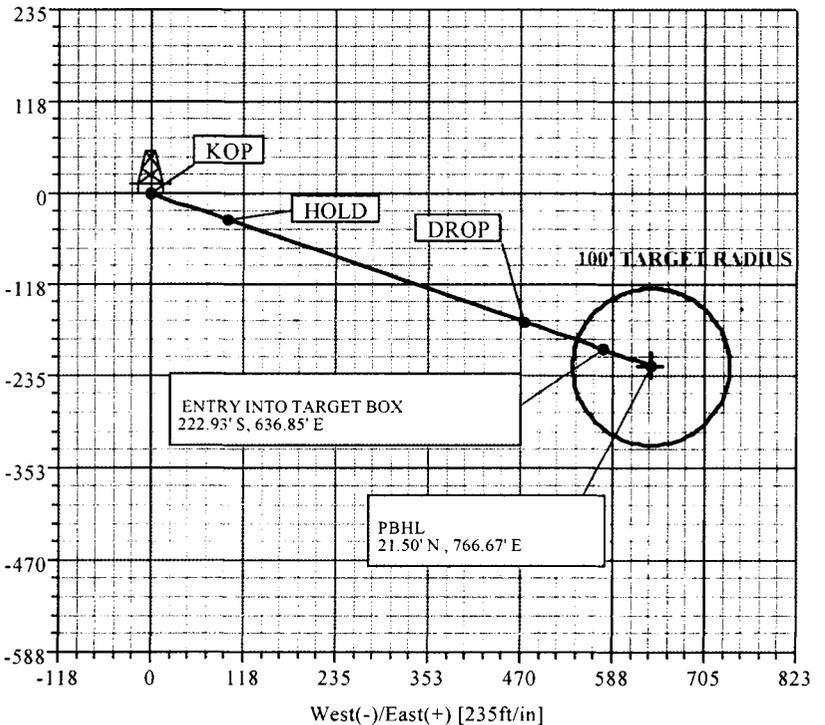
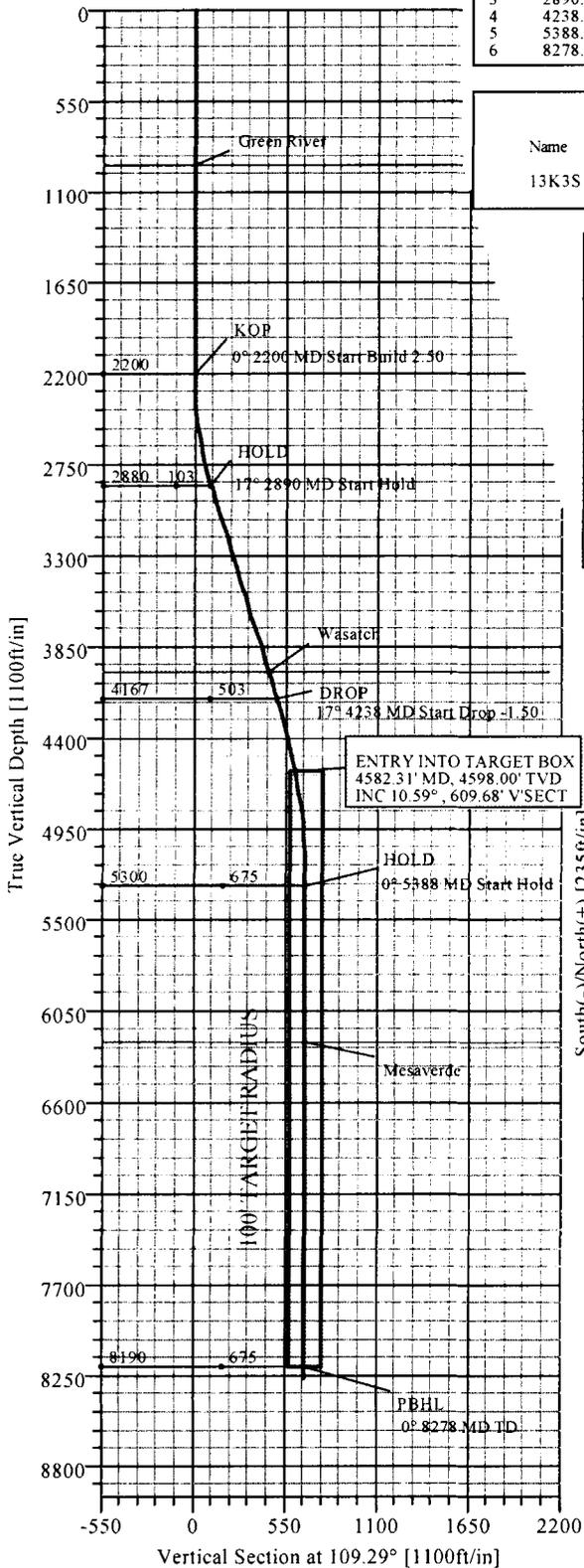
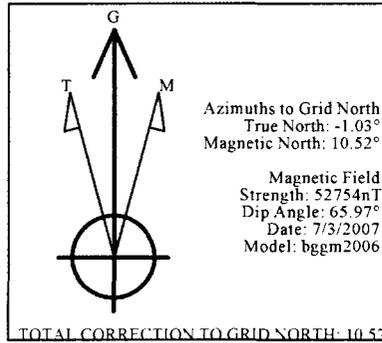
| Sec | MD | Inc | Azi | TVD | +N/-S | -E/-W | DLeg | TFace | VSec | Target |
|-----|---------|-------|--------|---------|---------|--------|------|--------|--------|--------|
| 1 | 0.00 | 0.00 | 109.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 2200.00 | 0.00 | 109.29 | 2200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | KOP |
| 3 | 2890.02 | 17.25 | 109.29 | 2879.64 | -34.06 | 97.30 | 2.50 | 109.29 | 103.09 | HOLD |
| 4 | 4238.29 | 17.25 | 109.29 | 4167.27 | -166.16 | 474.68 | 0.00 | 0.00 | 502.92 | DROP |
| 5 | 5388.32 | 0.00 | 109.29 | 5300.00 | -222.93 | 636.85 | 1.50 | 180.00 | 674.74 | HOLD |
| 6 | 8278.32 | 0.00 | 109.29 | 8190.00 | -222.93 | 636.85 | 0.00 | 109.29 | 674.74 | PBHL |

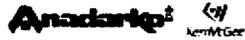
WELL DETAILS

| Name | +N/-S | -E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|-------|-------------|------------|---------------|----------------|------|
| 13K3S | 0.00 | 0.00 | 14510452.90 | 2090999.20 | 39°56'45.723N | 109°23'32.690W | N/A |

FIELD DETAILS

UINTAH 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 International, Ltd.

DIRECTIONAL PLAN REPORT



Weatherford

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Company: Anadarko-Kerr-McGee Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) Site: NBU 1022-13K3S Well: 13K3S Wellpath: 1 | Date: 7/5/2007 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method: | Time: 15:02:07 Site: NBU 1022-13K3S, Grid North SITE: 5302.0 Well (0.00N,0.00E,109.29Azi) Minimum Curvature | Page: 1 Db: Sybase |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|

| | |
|-----------------|--------------------|
| Survey: | Start Date: |
| Company: | Engineer: |
| Tool: | Tied-to: |

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 1022-13K3S

| | | | |
|--------------------------------------|---------------------------------|-----------------------------------|--|
| Site Position: | Northing: 14510452.90 ft | Latitude: 39 56 45.723 N | |
| From: Map | Easting: 2090999.20 ft | Longitude: 109 23 32.690 W | |
| Position Uncertainty: 0.00 ft | | North Reference: Grid | |
| Ground Level: 5287.00 ft | | Grid Convergence: 1.03 deg | |

Well: 13K3S **Slot Name:**

| | | | |
|--------------------------------------|---------------------------------|-----------------------------------|--|
| Well Position: +N/-S 0.00 ft | Northing: 14510452.90 ft | Latitude: 39 56 45.723 N | |
| +E/-W 0.00 ft | Easting: 2090999.20 ft | Longitude: 109 23 32.690 W | |
| Position Uncertainty: 0.00 ft | | | |

Wellpath: 1

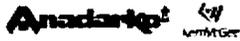
| | | |
|-------------------------------------------|---------------------------|-------------------------------------------|
| Current Datum: SITE | Height: 5302.00 ft | Drilled From: Surface |
| Magnetic Data: 7/3/2007 | | Tie-on Depth: 0.00 ft |
| Field Strength: 52754 nT | | Above System Datum: Mean Sea Level |
| Vertical Section: Depth From (TVD) | +N/-S | Declination: 11.55 deg |
| ft | ft | Mag Dip Angle: 65.97 deg |
| | | +E/-W |
| | | ft |
| | | Direction |
| | | deg |
| 8190.00 | 0.00 | 0.00 |
| | | 109.29 |

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 | 109.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2200.00 | 0.00 | 109.29 | 2200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2890.02 | 17.25 | 109.29 | 2879.64 | -34.06 | 97.30 | 2.50 | 2.50 | 0.00 | 109.29 | |
| 4238.29 | 17.25 | 109.29 | 4167.27 | -166.16 | 474.68 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5388.32 | 0.00 | 109.29 | 5300.00 | -222.93 | 636.85 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 8278.32 | 0.00 | 109.29 | 8190.00 | -222.93 | 636.85 | 0.00 | 0.00 | 0.00 | 109.29 | PBHL 13K3S |

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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 2200.00 | 0.00 | 109.29 | 2200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45104e07 | 2090999.20 | KOP |
| 2300.00 | 2.50 | 109.29 | 2299.97 | -0.72 | 2.06 | 2.18 | 2.50 | 1.45104e07 | 2091001.26 | |
| 2400.00 | 5.00 | 109.29 | 2399.75 | -2.88 | 8.23 | 8.72 | 2.50 | 1.45104e07 | 2091007.43 | |
| 2500.00 | 7.50 | 109.29 | 2499.14 | -6.48 | 18.51 | 19.61 | 2.50 | 1.45104e07 | 2091017.71 | |
| 2600.00 | 10.00 | 109.29 | 2597.97 | -11.50 | 32.86 | 34.82 | 2.50 | 1.45104e07 | 2091032.06 | |
| 2700.00 | 12.50 | 109.29 | 2696.04 | -17.95 | 51.27 | 54.33 | 2.50 | 1.45104e07 | 2091050.47 | |
| 2800.00 | 15.00 | 109.29 | 2793.17 | -25.80 | 73.71 | 78.09 | 2.50 | 1.45104e07 | 2091072.91 | |
| 2890.02 | 17.25 | 109.29 | 2879.64 | -34.06 | 97.30 | 103.09 | 2.50 | 1.45104e07 | 2091096.50 | HOLD |
| 2900.00 | 17.25 | 109.29 | 2889.17 | -35.04 | 100.10 | 106.05 | 0.00 | 1.45104e07 | 2091099.30 | |
| 3000.00 | 17.25 | 109.29 | 2984.68 | -44.84 | 128.09 | 135.71 | 0.00 | 1.45104e07 | 2091127.29 | |
| 3100.00 | 17.25 | 109.29 | 3080.18 | -54.63 | 156.08 | 165.36 | 0.00 | 1.45103e07 | 2091155.28 | |
| 3200.00 | 17.25 | 109.29 | 3175.68 | -64.43 | 184.07 | 195.02 | 0.00 | 1.45103e07 | 2091183.27 | |
| 3300.00 | 17.25 | 109.29 | 3271.18 | -74.23 | 212.05 | 224.67 | 0.00 | 1.45103e07 | 2091211.25 | |
| 3400.00 | 17.25 | 109.29 | 3366.68 | -84.03 | 240.04 | 254.33 | 0.00 | 1.45103e07 | 2091239.24 | |
| 3500.00 | 17.25 | 109.29 | 3462.18 | -93.83 | 268.03 | 283.98 | 0.00 | 1.45103e07 | 2091267.23 | |



Weatherford International, Ltd.

DIRECTIONAL PLAN REPORT



| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company: Anadarko-Kerr-McGee Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) Site: NBU 1022-13K3S Well: 13K3S Wellpath: 1 | Date: 7/5/2007 Co-ordinate(NE) Reference: Site: NBU 1022-13K3S, Grid North Vertical (TVD) Reference: SITE 5302.0 Section (VS) Reference: Well (0.00N,0.00E,109.29Azi) 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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|----------------------|
| 3600.00 | 17.25 | 109.29 | 3557.69 | -103.62 | 296.02 | 313.64 | 0.00 | 1.45103e07 | 2091295.22 | |
| 3700.00 | 17.25 | 109.29 | 3653.19 | -113.42 | 324.01 | 343.29 | 0.00 | 1.45103e07 | 2091323.21 | |
| 3800.00 | 17.25 | 109.29 | 3748.69 | -123.22 | 352.00 | 372.95 | 0.00 | 1.45103e07 | 2091351.20 | |
| 3900.00 | 17.25 | 109.29 | 3844.19 | -133.02 | 379.99 | 402.60 | 0.00 | 1.45103e07 | 2091379.19 | |
| 4000.00 | 17.25 | 109.29 | 3939.69 | -142.81 | 407.98 | 432.26 | 0.00 | 1.45103e07 | 2091407.18 | |
| 4061.05 | 17.25 | 109.29 | 3998.00 | -148.80 | 425.07 | 450.36 | 0.00 | 1.45103e07 | 2091424.27 | Wasatch |
| 4100.00 | 17.25 | 109.29 | 4035.19 | -152.61 | 435.97 | 461.91 | 0.00 | 1.45103e07 | 2091435.17 | |
| 4200.00 | 17.25 | 109.29 | 4130.70 | -162.41 | 463.96 | 491.57 | 0.00 | 1.45102e07 | 2091463.16 | |
| 4238.29 | 17.25 | 109.29 | 4167.27 | -166.16 | 474.68 | 502.92 | 0.00 | 1.45102e07 | 2091473.88 | DROP |
| 4300.00 | 16.32 | 109.29 | 4226.34 | -172.05 | 491.50 | 520.74 | 1.50 | 1.45102e07 | 2091490.70 | |
| 4400.00 | 14.82 | 109.29 | 4322.67 | -180.92 | 516.84 | 547.59 | 1.50 | 1.45102e07 | 2091516.04 | |
| 4500.00 | 13.32 | 109.29 | 4419.66 | -188.96 | 539.79 | 571.91 | 1.50 | 1.45102e07 | 2091538.99 | |
| 4600.00 | 11.82 | 109.29 | 4517.26 | -196.15 | 560.34 | 593.68 | 1.50 | 1.45102e07 | 2091559.54 | |
| 4682.31 | 10.59 | 109.29 | 4598.00 | -201.43 | 575.44 | 609.68 | 1.50 | 1.45102e07 | 2091574.64 | ENTRY INTO TARGET BO |
| 4700.00 | 10.32 | 109.29 | 4615.40 | -202.49 | 578.47 | 612.89 | 1.50 | 1.45102e07 | 2091577.67 | |
| 4800.00 | 8.82 | 109.29 | 4714.00 | -207.99 | 594.17 | 629.52 | 1.50 | 1.45102e07 | 2091593.37 | |
| 4900.00 | 7.32 | 109.29 | 4813.01 | -212.63 | 607.43 | 643.57 | 1.50 | 1.45102e07 | 2091606.63 | |
| 5000.00 | 5.82 | 109.29 | 4912.35 | -216.41 | 618.24 | 655.02 | 1.50 | 1.45102e07 | 2091617.44 | |
| 5100.00 | 4.32 | 109.29 | 5011.95 | -219.34 | 626.58 | 663.86 | 1.50 | 1.45102e07 | 2091625.78 | |
| 5200.00 | 2.82 | 109.29 | 5111.75 | -221.40 | 632.47 | 670.10 | 1.50 | 1.45102e07 | 2091631.67 | |
| 5300.00 | 1.32 | 109.29 | 5211.69 | -222.59 | 635.89 | 673.72 | 1.50 | 1.45102e07 | 2091635.09 | |
| 5388.32 | 0.00 | 109.29 | 5300.00 | -222.93 | 636.85 | 674.74 | 1.50 | 1.45102e07 | 2091636.05 | HOLD |
| 5400.00 | 0.00 | 109.29 | 5311.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 5500.00 | 0.00 | 109.29 | 5411.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 5600.00 | 0.00 | 109.29 | 5511.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 5700.00 | 0.00 | 109.29 | 5611.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 5800.00 | 0.00 | 109.29 | 5711.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 5900.00 | 0.00 | 109.29 | 5811.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6000.00 | 0.00 | 109.29 | 5911.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6100.00 | 0.00 | 109.29 | 6011.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6200.00 | 0.00 | 109.29 | 6111.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6300.00 | 0.00 | 109.29 | 6211.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6322.32 | 0.00 | 109.29 | 6234.00 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | Mesaverde |
| 6400.00 | 0.00 | 109.29 | 6311.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6500.00 | 0.00 | 109.29 | 6411.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6600.00 | 0.00 | 109.29 | 6511.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6700.00 | 0.00 | 109.29 | 6611.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6800.00 | 0.00 | 109.29 | 6711.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 6900.00 | 0.00 | 109.29 | 6811.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7000.00 | 0.00 | 109.29 | 6911.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7100.00 | 0.00 | 109.29 | 7011.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7200.00 | 0.00 | 109.29 | 7111.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7300.00 | 0.00 | 109.29 | 7211.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7400.00 | 0.00 | 109.29 | 7311.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7500.00 | 0.00 | 109.29 | 7411.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7600.00 | 0.00 | 109.29 | 7511.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7700.00 | 0.00 | 109.29 | 7611.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7800.00 | 0.00 | 109.29 | 7711.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 7900.00 | 0.00 | 109.29 | 7811.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 8000.00 | 0.00 | 109.29 | 7911.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 8100.00 | 0.00 | 109.29 | 8011.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |
| 8200.00 | 0.00 | 109.29 | 8111.68 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | |

| | | | |
|---------------------------------------------------------|-----------------------------------|-----------------------------------------|-------------------|
| Company: Anadarko-Kerr-McGee | Date: 7/5/2007 | Time: 15:02:07 | Page: 3 |
| Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) | Co-ordinate(NE) Reference: | Site: NBU 1022-13K3S, Grid North | |
| Site: NBU 1022-13K3S | Vertical (TVD) Reference: | SITE 5302.0 | |
| Well: 13K3S | Section (VS) Reference: | Well (0.00N,0.00E,109.29Azi) | |
| 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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|------------|
| 8278.32 | 0.00 | 109.29 | 8190.00 | -222.93 | 636.85 | 674.74 | 0.00 | 1.45102e07 | 2091636.05 | PBHL 13K3S |

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 13K3S | | | 8190.00 | -222.93 | 636.85 | 14510229.97 | 2091636.05 | 39 | 56 | 43.407 | N | 109 | 23 | 24.565 | W |
| | -Circle (Radius: 100) | | | | | | | | | | | | | | |
| | -Plan hit target | | | | | | | | | | | | | | |

Casing Points

| MD | TVD | Diameter | Hole Size | Name |
|----|-----|----------|-----------|------|
| | | | | |

Annotation

| MD ft | TVD ft | |
|----------|-----------|-----------------------|
| 2200.00 | 2200.00 | KOP |
| 2890.02 | 2879.64 | HOLD |
| 4238.29 | 4167.26 | DROP |
| 4682.31 | 4598.00 | ENTRY INTO TARGET BOX |
| 5388.32 | 5300.00 | HOLD |
| 8278.32 | 8190.00 | PBHL |

Formations

| MD ft | TVD ft | Formations | Lithology | Dip Angle deg | Dip Direction deg |
|----------|-----------|-------------|-----------|------------------|----------------------|
| 946.00 | 946.00 | Green River | | 0.00 | 0.00 |
| 4061.05 | 3998.00 | Wasatch | | 0.00 | 0.00 |
| 6322.32 | 6234.00 | Mesaverde | | 0.00 | 0.00 |



Weatherford International, Ltd.

Anticollision Report



Weatherford

Company: Anadarko-Kerr-McGee **Date:** 7/5/2007 **Time:** 15:04:33 **Page:** 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
Reference Site: NBU 1022-13K3S **Co-ordinate(NE) Reference:** Site: NBU 1022-13K3S, Grid North
Reference Well: 13K3S **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 #1
Depth Range: 2200.00 to 8278.32 ft **Error Model:** ISCWSA Ellipse
Maximum Radius: 10000.00 ft **Scan Method:** Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #1 **Date Composed:** 7/5/2007
Principal: Yes **Version:** 1
 Tied-to: From Surface

Summary

| Site | Well | Wellpath | Reference MD ft | Offset MD ft | Ctr-Ctr Distance ft | Edge Distance ft | Separation Factor | Warning |
|-----------------|--------|-----------------------|--------------------|-----------------|------------------------|---------------------|-------------------|---------|
| NBU 1022-13L3S | 13L3S | 1 V0 Plan: Plan #1 V1 | 2400.00 | 2399.59 | 18.90 | 9.09 | 1.93 | |
| NBU 1022-13L4S | 13L4S | 1 V0 Plan: Plan #1 V1 | 2400.00 | 2399.46 | 37.18 | 27.36 | 3.79 | |
| NBU 1022-13M2AS | 13M2AS | 1 V0 Plan: Plan #1 V1 | 2200.00 | 2200.00 | 19.88 | 10.90 | 2.21 | |

Site: NBU 1022-13L3S
Well: 13L3S
Wellpath: 1 V0 Plan: Plan #1 V1

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 |
|--------------------|---------------------|-----------------|------------------|---------------------------|------------------------------|-------------------------------|-----------------------------|----------------------------|------------------------|---------------------|-------------------|---------|
| 2200.00 | 2200.00 | 2200.00 | 2200.00 | 4.49 | 4.49 | 290.38 | 15.30 | 12.70 | 19.88 | 10.91 | 2.22 | |
| 2300.00 | 2299.97 | 2300.35 | 2300.32 | 4.70 | 4.70 | 278.36 | 15.36 | 10.50 | 18.17 | 8.77 | 1.93 | |
| 2400.00 | 2399.75 | 2399.59 | 2399.33 | 4.91 | 4.91 | 238.02 | 15.54 | 4.02 | 18.90 | 9.09 | 1.93 | |
| 2500.00 | 2499.14 | 2496.64 | 2495.81 | 5.13 | 5.12 | 202.96 | 15.84 | -6.46 | 33.65 | 23.47 | 3.30 | |
| 2600.00 | 2597.97 | 2590.55 | 2588.66 | 5.36 | 5.34 | 188.53 | 16.23 | -20.48 | 60.84 | 50.31 | 5.78 | |
| 2700.00 | 2696.04 | 2680.48 | 2676.96 | 5.63 | 5.58 | 182.19 | 16.71 | -37.46 | 97.16 | 86.28 | 8.94 | |
| 2800.00 | 2793.17 | 2765.73 | 2760.01 | 5.93 | 5.82 | 178.86 | 17.25 | -56.74 | 141.32 | 130.12 | 12.62 | |
| 2900.00 | 2889.17 | 2845.82 | 2837.31 | 6.28 | 6.09 | 176.87 | 17.83 | -77.66 | 192.57 | 181.04 | 16.70 | |
| 3000.00 | 2984.68 | 2921.71 | 2909.84 | 6.68 | 6.37 | 175.61 | 18.46 | -99.96 | 248.21 | 236.30 | 20.84 | |
| 3100.00 | 3080.18 | 2999.20 | 2983.23 | 7.10 | 6.69 | 174.66 | 19.16 | -124.82 | 306.18 | 293.85 | 24.83 | |
| 3200.00 | 3175.68 | 3080.38 | 3060.03 | 7.55 | 7.06 | 173.96 | 19.89 | -151.13 | 364.47 | 351.67 | 28.47 | |
| 3300.00 | 3271.18 | 3161.56 | 3136.82 | 8.02 | 7.44 | 173.45 | 20.63 | -177.44 | 422.80 | 409.51 | 31.83 | |
| 3400.00 | 3366.68 | 3242.75 | 3213.62 | 8.51 | 7.85 | 173.07 | 21.37 | -203.75 | 481.13 | 467.36 | 34.94 | |
| 3500.00 | 3462.18 | 3323.93 | 3290.42 | 9.01 | 8.26 | 172.77 | 22.11 | -230.06 | 539.48 | 525.22 | 37.82 | |
| 3600.00 | 3557.69 | 3405.11 | 3367.21 | 9.53 | 8.70 | 172.53 | 22.85 | -256.37 | 597.84 | 583.08 | 40.49 | |
| 3700.00 | 3653.19 | 3486.29 | 3444.01 | 10.05 | 9.14 | 172.33 | 23.58 | -282.68 | 656.21 | 640.94 | 42.99 | |
| 3800.00 | 3748.69 | 3567.47 | 3520.81 | 10.59 | 9.59 | 172.16 | 24.32 | -309.00 | 714.58 | 698.80 | 45.30 | |
| 3900.00 | 3844.19 | 3648.66 | 3597.60 | 11.13 | 10.05 | 172.02 | 25.06 | -335.31 | 772.95 | 756.65 | 47.44 | |
| 4000.00 | 3939.69 | 3729.84 | 3674.40 | 11.68 | 10.52 | 171.90 | 25.80 | -361.62 | 831.32 | 814.51 | 49.44 | |
| 4100.00 | 4035.19 | 3811.02 | 3751.19 | 12.23 | 10.99 | 171.79 | 26.54 | -387.93 | 889.70 | 872.36 | 51.31 | |
| 4200.00 | 4130.70 | 3892.20 | 3827.99 | 12.79 | 11.47 | 171.70 | 27.27 | -414.24 | 948.08 | 930.22 | 53.09 | |
| 4300.00 | 4226.34 | 3973.67 | 3905.06 | 13.23 | 11.96 | 171.71 | 28.01 | -440.65 | 1006.05 | 987.76 | 55.00 | |
| 4400.00 | 4322.67 | 4056.50 | 3983.41 | 13.41 | 12.46 | 171.75 | 28.77 | -467.49 | 1062.06 | 1043.59 | 57.51 | |
| 4500.00 | 4419.66 | 4140.74 | 4063.10 | 13.57 | 12.97 | 171.78 | 29.53 | -494.79 | 1115.91 | 1097.27 | 59.87 | |
| 4600.00 | 4517.26 | 4226.34 | 4144.08 | 13.71 | 13.49 | 171.78 | 30.31 | -522.54 | 1167.55 | 1148.74 | 62.07 | |
| 4700.00 | 4615.40 | 4317.48 | 4230.30 | 13.83 | 14.03 | 171.76 | 31.14 | -552.05 | 1216.95 | 1197.99 | 64.18 | |
| 4800.00 | 4714.00 | 4448.52 | 4355.11 | 13.93 | 14.49 | 171.68 | 32.26 | -591.95 | 1262.30 | 1243.35 | 66.61 | |
| 4900.00 | 4813.01 | 4585.60 | 4487.06 | 14.00 | 14.78 | 171.61 | 33.30 | -629.08 | 1302.18 | 1283.43 | 69.45 | |
| 5000.00 | 4912.35 | 4728.18 | 4625.61 | 14.04 | 15.05 | 171.55 | 34.24 | -662.65 | 1336.31 | 1317.79 | 72.16 | |
| 5100.00 | 5011.95 | 4875.57 | 4770.06 | 14.05 | 15.28 | 171.49 | 35.06 | -691.90 | 1364.42 | 1346.17 | 74.80 | |
| 5200.00 | 5111.75 | 5026.96 | 4919.49 | 14.03 | 15.45 | 171.43 | 35.74 | -716.12 | 1386.28 | 1368.36 | 77.36 | |
| 5300.00 | 5211.69 | 5181.42 | 5072.82 | 13.98 | 15.55 | 171.38 | 36.26 | -734.71 | 1401.72 | 1384.17 | 79.88 | |
| 5400.00 | 5311.68 | 5337.93 | 5228.81 | 13.91 | 15.57 | 280.62 | 36.61 | -747.21 | 1410.62 | 1387.74 | 61.65 | |
| 5500.00 | 5411.68 | 5495.36 | 5386.12 | 14.01 | 15.52 | 280.58 | 36.78 | -753.33 | 1414.46 | 1391.75 | 62.28 | |
| 5600.00 | 5511.68 | 5620.93 | 5511.68 | 14.11 | 15.49 | 280.58 | 36.80 | -753.97 | 1414.86 | 1385.28 | 47.82 | |
| 5700.00 | 5611.68 | 5720.93 | 5611.68 | 14.21 | 15.57 | 280.58 | 36.80 | -753.97 | 1414.86 | 1385.08 | 47.51 | |

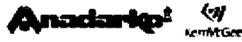
| | | | | | | | |
|----------------------------|-------------------------------------------|-----------------------------------|----------------------------------|--------------|----------|--------------|---|
| Company: | Anadarko-Kerr-McGee | Date: | 7/5/2007 | Time: | 15:04:33 | Page: | 2 |
| Field: | UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) | Co-ordinate(NE) Reference: | Site: NBU 1022-13K3S, Grid North | | | | |
| Reference Site: | NBU 1022-13K3S | Vertical (TVD) Reference: | SITE 5302.0 | | | | |
| Reference Well: | 13K3S | | | | | | |
| Reference Wellpath: | 1 | Db: Sybase | | | | | |

Site: NBU 1022-13L3S
Well: 13L3S
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 | | | | |
| 5800.00 | 5711.68 | 5820.93 | 5711.68 | 14.32 | 15.67 | 280.58 | 36.80 | -753.97 | 1414.86 | 1384.88 | 47.19 | |
| 5900.00 | 5811.68 | 5920.93 | 5811.68 | 14.43 | 15.76 | 280.58 | 36.80 | -753.97 | 1414.86 | 1384.68 | 46.88 | |
| 6000.00 | 5911.68 | 6020.93 | 5911.68 | 14.54 | 15.86 | 280.58 | 36.80 | -753.97 | 1414.86 | 1384.47 | 46.55 | |
| 6100.00 | 6011.68 | 6120.93 | 6011.68 | 14.65 | 15.95 | 280.58 | 36.80 | -753.97 | 1414.86 | 1384.26 | 46.23 | |
| 6200.00 | 6111.68 | 6220.93 | 6111.68 | 14.76 | 16.05 | 280.58 | 36.80 | -753.97 | 1414.86 | 1384.04 | 45.91 | |
| 6300.00 | 6211.68 | 6320.93 | 6211.68 | 14.88 | 16.16 | 280.58 | 36.80 | -753.97 | 1414.86 | 1383.82 | 45.58 | |
| 6400.00 | 6311.68 | 6420.93 | 6311.68 | 15.00 | 16.26 | 280.58 | 36.80 | -753.97 | 1414.86 | 1383.60 | 45.25 | |
| 6500.00 | 6411.68 | 6520.93 | 6411.68 | 15.12 | 16.37 | 280.58 | 36.80 | -753.97 | 1414.86 | 1383.37 | 44.92 | |
| 6600.00 | 6511.68 | 6620.93 | 6511.68 | 15.24 | 16.47 | 280.58 | 36.80 | -753.97 | 1414.86 | 1383.13 | 44.59 | |
| 6700.00 | 6611.68 | 6720.93 | 6611.68 | 15.37 | 16.58 | 280.58 | 36.80 | -753.97 | 1414.86 | 1382.90 | 44.26 | |
| 6800.00 | 6711.68 | 6820.93 | 6711.68 | 15.49 | 16.70 | 280.58 | 36.80 | -753.97 | 1414.86 | 1382.66 | 43.93 | |
| 6900.00 | 6811.68 | 6920.93 | 6811.68 | 15.62 | 16.81 | 280.58 | 36.80 | -753.97 | 1414.86 | 1382.41 | 43.60 | |
| 7000.00 | 6911.68 | 7020.93 | 6911.68 | 15.75 | 16.93 | 280.58 | 36.80 | -753.97 | 1414.86 | 1382.16 | 43.27 | |
| 7100.00 | 7011.68 | 7120.93 | 7011.68 | 15.88 | 17.04 | 280.58 | 36.80 | -753.97 | 1414.86 | 1381.91 | 42.94 | |
| 7200.00 | 7111.68 | 7220.93 | 7111.68 | 16.02 | 17.16 | 280.58 | 36.80 | -753.97 | 1414.86 | 1381.66 | 42.61 | |
| 7300.00 | 7211.68 | 7320.93 | 7211.68 | 16.15 | 17.28 | 280.58 | 36.80 | -753.97 | 1414.86 | 1381.40 | 42.28 | |
| 7400.00 | 7311.68 | 7420.93 | 7311.68 | 16.29 | 17.41 | 280.58 | 36.80 | -753.97 | 1414.86 | 1381.14 | 41.95 | |
| 7500.00 | 7411.68 | 7520.93 | 7411.68 | 16.42 | 17.53 | 280.58 | 36.80 | -753.97 | 1414.86 | 1380.87 | 41.63 | |
| 7600.00 | 7511.68 | 7620.93 | 7511.68 | 16.56 | 17.66 | 280.58 | 36.80 | -753.97 | 1414.86 | 1380.61 | 41.30 | |
| 7700.00 | 7611.68 | 7720.93 | 7611.68 | 16.71 | 17.78 | 280.58 | 36.80 | -753.97 | 1414.86 | 1380.34 | 40.98 | |
| 7800.00 | 7711.68 | 7820.93 | 7711.68 | 16.85 | 17.91 | 280.58 | 36.80 | -753.97 | 1414.86 | 1380.06 | 40.65 | |
| 7900.00 | 7811.68 | 7920.93 | 7811.68 | 16.99 | 18.04 | 280.58 | 36.80 | -753.97 | 1414.86 | 1379.79 | 40.33 | |
| 8000.00 | 7911.68 | 8020.93 | 7911.68 | 17.14 | 18.18 | 280.58 | 36.80 | -753.97 | 1414.86 | 1379.51 | 40.02 | |
| 8100.00 | 8011.68 | 8120.93 | 8011.68 | 17.28 | 18.31 | 280.58 | 36.80 | -753.97 | 1414.86 | 1379.22 | 39.70 | |
| 8200.00 | 8111.68 | 8220.93 | 8111.68 | 17.43 | 18.44 | 280.58 | 36.80 | -753.97 | 1414.86 | 1378.94 | 39.38 | |

Site: NBU 1022-13L4S
Well: 13L4S
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 | | | | |
| 2200.00 | 2200.00 | 2200.00 | 2200.00 | 4.49 | 4.49 | 291.32 | 29.60 | 25.40 | 39.00 | 30.03 | 4.35 | |
| 2300.00 | 2299.97 | 2300.30 | 2300.27 | 4.70 | 4.70 | 285.03 | 30.49 | 23.39 | 37.81 | 28.41 | 4.02 | |
| 2400.00 | 2399.75 | 2399.46 | 2399.21 | 4.91 | 4.91 | 265.19 | 33.12 | 17.47 | 37.18 | 27.36 | 3.79 | |
| 2500.00 | 2499.14 | 2496.39 | 2495.57 | 5.13 | 5.12 | 237.85 | 37.37 | 7.91 | 45.25 | 35.04 | 4.43 | |
| 2600.00 | 2597.97 | 2590.12 | 2588.24 | 5.36 | 5.34 | 217.35 | 43.05 | -4.87 | 67.04 | 56.47 | 6.34 | |
| 2700.00 | 2696.04 | 2679.78 | 2676.29 | 5.63 | 5.57 | 205.80 | 49.92 | -20.32 | 100.61 | 89.72 | 9.24 | |
| 2800.00 | 2793.17 | 2764.70 | 2759.00 | 5.93 | 5.82 | 199.35 | 57.71 | -37.85 | 143.48 | 132.28 | 12.81 | |
| 2900.00 | 2889.17 | 2844.35 | 2835.89 | 6.28 | 6.08 | 195.48 | 66.14 | -56.83 | 194.17 | 182.66 | 16.87 | |
| 3000.00 | 2984.68 | 2919.74 | 2907.97 | 6.68 | 6.36 | 192.80 | 75.12 | -77.03 | 249.69 | 237.83 | 21.04 | |
| 3100.00 | 3080.18 | 2999.97 | 2984.16 | 7.10 | 6.69 | 190.91 | 85.33 | -99.99 | 307.21 | 294.92 | 25.00 | |
| 3200.00 | 3175.68 | 3081.39 | 3061.48 | 7.55 | 7.05 | 189.58 | 95.69 | -123.32 | 364.92 | 352.19 | 28.66 | |
| 3300.00 | 3271.18 | 3162.81 | 3138.79 | 8.02 | 7.42 | 188.61 | 106.06 | -146.64 | 422.72 | 409.54 | 32.07 | |
| 3400.00 | 3366.68 | 3244.23 | 3216.11 | 8.51 | 7.82 | 187.88 | 116.42 | -169.97 | 480.59 | 466.95 | 35.24 | |
| 3500.00 | 3462.18 | 3325.66 | 3293.43 | 9.01 | 8.22 | 187.30 | 126.79 | -193.29 | 538.49 | 524.39 | 38.19 | |
| 3600.00 | 3557.69 | 3407.08 | 3370.75 | 9.53 | 8.64 | 186.84 | 137.16 | -216.62 | 596.43 | 581.85 | 40.93 | |
| 3700.00 | 3653.19 | 3488.50 | 3448.06 | 10.05 | 9.07 | 186.46 | 147.52 | -239.94 | 654.38 | 639.34 | 43.49 | |
| 3800.00 | 3748.69 | 3569.92 | 3525.38 | 10.59 | 9.51 | 186.14 | 157.89 | -263.27 | 712.35 | 696.83 | 45.89 | |
| 3900.00 | 3844.19 | 3651.34 | 3602.70 | 11.13 | 9.96 | 185.86 | 168.26 | -286.59 | 770.34 | 754.33 | 48.12 | |
| 4000.00 | 3939.69 | 3732.76 | 3680.02 | 11.68 | 10.41 | 185.63 | 178.62 | -309.92 | 828.33 | 811.84 | 50.22 | |
| 4100.00 | 4035.19 | 3814.19 | 3757.33 | 12.23 | 10.87 | 185.43 | 188.99 | -333.25 | 886.34 | 869.35 | 52.19 | |



Weatherford International, Ltd.

Anticollision Report



| | | | | | | | | |
|----------------------------|-------------------------------------------|-----------------------------------|----------------------------------|--------------|----------|--------------|------------|--------|
| Company: | Anadarko-Kerr-McGee | Date: | 7/5/2007 | Time: | 15:04:33 | Page: | 3 | |
| Field: | UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) | Co-ordinate(NE) Reference: | Site: NBU 1022-13K3S, Grid North | | | | | |
| Reference Site: | NBU 1022-13K3S | Vertical (TVD) Reference: | SITE 5302.0 | | | | | |
| Reference Well: | 13K3S | | | | | | Db: | Sybase |
| Reference Wellpath: | 1 | | | | | | | |

Site: NBU 1022-13L4S
 Well: 13L4S
 Wellpath: 1 V0 Plan: Plan #1 V1

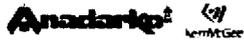
Inter-Site Error: 0.00 ft

| 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 | | |
| 4200.00 | 4130.70 | 3895.61 | 3834.65 | 12.79 | 11.34 | 185.25 | 199.36 | -356.57 | 944.35 | 926.87 | 54.03 | |
| 4300.00 | 4226.34 | 3977.32 | 3912.24 | 13.23 | 11.81 | 185.04 | 209.76 | -379.98 | 1001.96 | 984.08 | 56.05 | |
| 4400.00 | 4322.67 | 4060.40 | 3991.13 | 13.41 | 12.29 | 184.82 | 220.34 | -403.78 | 1057.58 | 1039.56 | 58.69 | |
| 4500.00 | 4419.66 | 4144.90 | 4071.38 | 13.57 | 12.79 | 184.65 | 231.09 | -427.99 | 1111.01 | 1092.85 | 61.18 | |
| 4600.00 | 4517.26 | 4230.78 | 4152.93 | 13.71 | 13.30 | 184.50 | 242.03 | -452.59 | 1162.23 | 1143.93 | 63.52 | |
| 4700.00 | 4615.40 | 4317.97 | 4235.72 | 13.83 | 13.81 | 184.37 | 253.13 | -477.57 | 1211.19 | 1192.76 | 65.72 | |
| 4800.00 | 4714.00 | 4438.26 | 4350.32 | 13.93 | 14.27 | 184.26 | 267.97 | -510.96 | 1257.03 | 1238.61 | 68.24 | |
| 4900.00 | 4813.01 | 4575.67 | 4482.54 | 14.00 | 14.56 | 184.16 | 283.15 | -545.12 | 1297.45 | 1279.27 | 71.35 | |
| 5000.00 | 4912.35 | 4718.74 | 4621.54 | 14.04 | 14.82 | 184.08 | 296.90 | -576.05 | 1332.06 | 1314.14 | 74.35 | |
| 5100.00 | 5011.95 | 4866.76 | 4766.58 | 14.05 | 15.03 | 184.02 | 308.88 | -603.02 | 1360.57 | 1342.96 | 77.27 | |
| 5200.00 | 5111.75 | 5018.90 | 4916.73 | 14.03 | 15.20 | 183.98 | 318.81 | -625.36 | 1382.75 | 1365.49 | 80.12 | |
| 5300.00 | 5211.69 | 5174.21 | 5070.89 | 13.98 | 15.29 | 183.96 | 326.44 | -642.52 | 1398.42 | 1381.56 | 82.94 | |
| 5400.00 | 5311.68 | 5331.61 | 5227.77 | 13.91 | 15.31 | 293.25 | 331.56 | -654.05 | 1407.45 | 1385.73 | 64.79 | |
| 5500.00 | 5411.68 | 5489.97 | 5386.00 | 14.01 | 15.25 | 293.25 | 334.06 | -659.68 | 1411.35 | 1389.81 | 65.52 | |
| 5600.00 | 5511.68 | 5615.65 | 5511.68 | 14.11 | 15.21 | 293.25 | 334.32 | -660.26 | 1411.74 | 1384.04 | 50.96 | |
| 5700.00 | 5611.68 | 5715.65 | 5611.68 | 14.21 | 15.30 | 293.25 | 334.32 | -660.26 | 1411.74 | 1383.84 | 50.58 | |
| 5800.00 | 5711.68 | 5815.65 | 5711.68 | 14.32 | 15.40 | 293.25 | 334.32 | -660.26 | 1411.74 | 1383.62 | 50.21 | |
| 5900.00 | 5811.68 | 5915.65 | 5811.68 | 14.43 | 15.49 | 293.25 | 334.32 | -660.26 | 1411.74 | 1383.41 | 49.82 | |
| 6000.00 | 5911.68 | 6015.65 | 5911.68 | 14.54 | 15.59 | 293.25 | 334.32 | -660.26 | 1411.74 | 1383.19 | 49.44 | |
| 6100.00 | 6011.68 | 6115.65 | 6011.68 | 14.65 | 15.69 | 293.25 | 334.32 | -660.26 | 1411.74 | 1382.97 | 49.05 | |
| 6200.00 | 6111.68 | 6215.65 | 6111.68 | 14.76 | 15.80 | 293.25 | 334.32 | -660.26 | 1411.74 | 1382.74 | 48.67 | |
| 6300.00 | 6211.68 | 6315.65 | 6211.68 | 14.88 | 15.90 | 293.25 | 334.32 | -660.26 | 1411.74 | 1382.50 | 48.28 | |
| 6400.00 | 6311.68 | 6415.65 | 6311.68 | 15.00 | 16.01 | 293.25 | 334.32 | -660.26 | 1411.74 | 1382.27 | 47.89 | |
| 6500.00 | 6411.68 | 6515.65 | 6411.68 | 15.12 | 16.12 | 293.25 | 334.32 | -660.26 | 1411.74 | 1382.03 | 47.51 | |
| 6600.00 | 6511.68 | 6615.65 | 6511.68 | 15.24 | 16.23 | 293.25 | 334.32 | -660.26 | 1411.74 | 1381.78 | 47.12 | |
| 6700.00 | 6611.68 | 6715.65 | 6611.68 | 15.37 | 16.34 | 293.25 | 334.32 | -660.26 | 1411.74 | 1381.53 | 46.73 | |
| 6800.00 | 6711.68 | 6815.65 | 6711.68 | 15.49 | 16.46 | 293.25 | 334.32 | -660.26 | 1411.74 | 1381.28 | 46.34 | |
| 6900.00 | 6811.68 | 6915.65 | 6811.68 | 15.62 | 16.57 | 293.25 | 334.32 | -660.26 | 1411.74 | 1381.02 | 45.96 | |
| 7000.00 | 6911.68 | 7015.65 | 6911.68 | 15.75 | 16.69 | 293.25 | 334.32 | -660.26 | 1411.74 | 1380.77 | 45.57 | |
| 7100.00 | 7011.68 | 7115.65 | 7011.68 | 15.88 | 16.81 | 293.25 | 334.32 | -660.26 | 1411.74 | 1380.50 | 45.19 | |
| 7200.00 | 7111.68 | 7215.65 | 7111.68 | 16.02 | 16.93 | 293.25 | 334.32 | -660.26 | 1411.74 | 1380.24 | 44.81 | |
| 7300.00 | 7211.68 | 7315.65 | 7211.68 | 16.15 | 17.06 | 293.25 | 334.32 | -660.26 | 1411.74 | 1379.97 | 44.43 | |
| 7400.00 | 7311.68 | 7415.65 | 7311.68 | 16.29 | 17.18 | 293.25 | 334.32 | -660.26 | 1411.74 | 1379.69 | 44.05 | |
| 7500.00 | 7411.68 | 7515.65 | 7411.68 | 16.42 | 17.31 | 293.25 | 334.32 | -660.26 | 1411.74 | 1379.42 | 43.67 | |
| 7600.00 | 7511.68 | 7615.65 | 7511.68 | 16.56 | 17.44 | 293.25 | 334.32 | -660.26 | 1411.74 | 1379.14 | 43.30 | |
| 7700.00 | 7611.68 | 7715.65 | 7611.68 | 16.71 | 17.57 | 293.25 | 334.32 | -660.26 | 1411.74 | 1378.86 | 42.93 | |
| 7800.00 | 7711.68 | 7815.65 | 7711.68 | 16.85 | 17.70 | 293.25 | 334.32 | -660.26 | 1411.74 | 1378.57 | 42.56 | |
| 7900.00 | 7811.68 | 7915.65 | 7811.68 | 16.99 | 17.83 | 293.25 | 334.32 | -660.26 | 1411.74 | 1378.28 | 42.19 | |
| 8000.00 | 7911.68 | 8015.65 | 7911.68 | 17.14 | 17.97 | 293.25 | 334.32 | -660.26 | 1411.74 | 1377.99 | 41.83 | |
| 8100.00 | 8011.68 | 8115.65 | 8011.68 | 17.28 | 18.10 | 293.25 | 334.32 | -660.26 | 1411.74 | 1377.70 | 41.47 | |
| 8200.00 | 8111.68 | 8215.65 | 8111.68 | 17.43 | 18.24 | 293.25 | 334.32 | -660.26 | 1411.74 | 1377.41 | 41.11 | |

Site: NBU 1022-13M2AS
 Well: 13M2AS
 Wellpath: 1 V0 Plan: Plan #1 V1

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 | | |
| 2200.00 | 2200.00 | 2200.00 | 2200.00 | 4.49 | 4.49 | 114.26 | -14.40 | -13.70 | 19.88 | 10.90 | 2.21 | |
| 2300.00 | 2299.97 | 2299.05 | 2299.02 | 4.70 | 4.69 | 121.34 | -15.22 | -15.68 | 22.93 | 13.54 | 2.44 | |
| 2400.00 | 2399.75 | 2397.13 | 2396.89 | 4.91 | 4.90 | 133.92 | -17.63 | -21.53 | 33.34 | 23.55 | 3.41 | |



Weatherford International, Ltd.



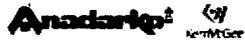
Weatherford

Anticollision Report

| | | | | | | | |
|----------------------------|-------------------------------------------|-----------------------------------|----------------------------------|--------------|----------|--------------|---|
| Company: | Anadarko-Kerr-McGee | Date: | 7/5/2007 | Time: | 15:04:33 | Page: | 4 |
| Field: | UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) | Co-ordinate(NE) Reference: | Site: NBU 1022-13K3S, Grid North | | | | |
| Reference Site: | NBU 1022-13K3S | Vertical (TVD) Reference: | SITE 5302.0 | | | | |
| Reference Well: | 13K3S | | | | | | |
| Reference Wellpath: | 1 | | | | | | |

Site: NBU 1022-13M2AS
 Well: 13M2AS
 Wellpath: 1 V0 Plan: Plan #1 V1
 Inter-Site Error: 0.00 ft

| Reference MD | TVD | Offset MD | TVD | Semi-Major Axis Ref | Offset | TFO-HS | North | East | Ctr-Ctr Distance | Edge Distance | Separation Factor | Warning |
|--------------|---------|-----------|---------|---------------------|--------|--------|---------|---------|------------------|---------------|-------------------|---------|
| ft | ft | ft | ft | ft | ft | deg | ft | ft | ft | ft | | |
| 2500.00 | 2499.14 | 2493.31 | 2492.51 | 5.13 | 5.11 | 142.96 | -21.55 | -31.02 | 52.20 | 42.03 | 5.13 | |
| 2600.00 | 2597.97 | 2586.74 | 2584.91 | 5.36 | 5.33 | 148.13 | -26.82 | -43.79 | 79.25 | 68.71 | 7.51 | |
| 2700.00 | 2696.04 | 2676.66 | 2673.23 | 5.63 | 5.57 | 151.02 | -33.25 | -59.35 | 113.99 | 103.07 | 10.44 | |
| 2800.00 | 2793.17 | 2762.45 | 2756.82 | 5.93 | 5.81 | 152.65 | -40.61 | -77.17 | 155.90 | 144.61 | 13.81 | |
| 2900.00 | 2889.17 | 2843.63 | 2835.20 | 6.28 | 6.08 | 153.63 | -48.67 | -96.69 | 204.51 | 192.83 | 17.51 | |
| 3000.00 | 2984.68 | 2921.04 | 2909.20 | 6.68 | 6.36 | 154.53 | -57.33 | -117.68 | 257.39 | 245.27 | 21.23 | |
| 3100.00 | 3080.18 | 2997.13 | 2981.17 | 7.10 | 6.68 | 154.95 | -66.76 | -140.50 | 312.90 | 300.33 | 24.88 | |
| 3200.00 | 3175.68 | 3079.72 | 3059.00 | 7.55 | 7.05 | 155.22 | -77.31 | -166.05 | 369.27 | 356.15 | 28.14 | |
| 3300.00 | 3271.18 | 3162.30 | 3136.82 | 8.02 | 7.45 | 155.42 | -87.86 | -191.60 | 425.65 | 411.97 | 31.12 | |
| 3400.00 | 3366.68 | 3244.89 | 3214.64 | 8.51 | 7.87 | 155.57 | -98.41 | -217.15 | 482.02 | 467.78 | 33.83 | |
| 3500.00 | 3462.18 | 3327.48 | 3292.47 | 9.01 | 8.30 | 155.70 | -108.96 | -242.70 | 538.40 | 523.57 | 36.30 | |
| 3600.00 | 3557.69 | 3410.07 | 3370.29 | 9.53 | 8.75 | 155.79 | -119.51 | -268.25 | 594.78 | 579.36 | 38.56 | |
| 3700.00 | 3653.19 | 3492.65 | 3448.12 | 10.05 | 9.21 | 155.87 | -130.06 | -293.79 | 651.17 | 635.16 | 40.68 | |
| 3800.00 | 3748.69 | 3575.24 | 3525.94 | 10.59 | 9.68 | 155.94 | -140.61 | -319.34 | 707.55 | 690.93 | 42.58 | |
| 3900.00 | 3844.19 | 3657.83 | 3603.77 | 11.13 | 10.16 | 156.00 | -151.16 | -344.89 | 763.93 | 746.70 | 44.33 | |
| 4000.00 | 3939.69 | 3740.41 | 3681.59 | 11.68 | 10.65 | 156.05 | -161.71 | -370.44 | 820.31 | 802.46 | 45.94 | |
| 4100.00 | 4035.19 | 3823.00 | 3759.41 | 12.23 | 11.14 | 156.09 | -172.25 | -395.99 | 876.70 | 858.21 | 47.43 | |
| 4200.00 | 4130.70 | 3905.59 | 3837.24 | 12.79 | 11.64 | 156.13 | -182.80 | -421.54 | 933.08 | 913.96 | 48.80 | |
| 4300.00 | 4226.34 | 3988.43 | 3915.30 | 13.23 | 12.14 | 156.40 | -193.39 | -447.16 | 989.09 | 969.46 | 50.40 | |
| 4400.00 | 4322.67 | 4072.49 | 3994.52 | 13.41 | 12.66 | 156.74 | -204.12 | -473.17 | 1043.24 | 1023.35 | 52.46 | |
| 4500.00 | 4419.66 | 4157.82 | 4074.93 | 13.57 | 13.19 | 157.00 | -215.02 | -499.56 | 1095.35 | 1075.21 | 54.38 | |
| 4600.00 | 4517.26 | 4244.35 | 4156.47 | 13.71 | 13.73 | 157.18 | -226.08 | -526.33 | 1145.40 | 1125.01 | 56.18 | |
| 4700.00 | 4615.40 | 4359.68 | 4265.52 | 13.83 | 14.16 | 157.25 | -240.39 | -561.00 | 1192.58 | 1172.10 | 58.24 | |
| 4800.00 | 4714.00 | 4488.94 | 4389.01 | 13.93 | 14.47 | 157.28 | -254.96 | -596.28 | 1234.91 | 1214.50 | 60.52 | |
| 4900.00 | 4813.01 | 4623.35 | 4518.72 | 14.00 | 14.76 | 157.29 | -268.41 | -628.84 | 1272.04 | 1251.74 | 62.65 | |
| 5000.00 | 4912.35 | 4762.43 | 4654.14 | 14.04 | 15.02 | 157.27 | -280.48 | -658.08 | 1303.74 | 1283.59 | 64.68 | |
| 5100.00 | 5011.95 | 4905.56 | 4794.62 | 14.05 | 15.25 | 157.24 | -290.93 | -683.39 | 1329.80 | 1309.83 | 66.59 | |
| 5200.00 | 5111.75 | 5052.06 | 4939.36 | 14.03 | 15.41 | 157.20 | -299.54 | -704.23 | 1350.04 | 1330.31 | 68.43 | |
| 5300.00 | 5211.69 | 5201.13 | 5087.43 | 13.98 | 15.51 | 157.13 | -306.11 | -720.16 | 1364.29 | 1344.85 | 70.18 | |
| 5400.00 | 5311.68 | 5351.92 | 5237.76 | 13.91 | 15.54 | 266.34 | -310.52 | -730.84 | 1372.48 | 1348.50 | 57.23 | |
| 5500.00 | 5411.68 | 5503.51 | 5389.24 | 14.01 | 15.49 | 266.26 | -312.66 | -736.03 | 1375.99 | 1352.13 | 57.68 | |
| 5600.00 | 5511.68 | 5625.95 | 5511.68 | 14.11 | 15.46 | 266.25 | -312.88 | -736.55 | 1376.34 | 1346.08 | 45.48 | |
| 5700.00 | 5611.68 | 5725.95 | 5611.68 | 14.21 | 15.55 | 266.25 | -312.88 | -736.55 | 1376.34 | 1345.89 | 45.20 | |
| 5800.00 | 5711.68 | 5825.95 | 5711.68 | 14.32 | 15.64 | 266.25 | -312.88 | -736.55 | 1376.34 | 1345.70 | 44.92 | |
| 5900.00 | 5811.68 | 5925.95 | 5811.68 | 14.43 | 15.73 | 266.25 | -312.88 | -736.55 | 1376.34 | 1345.50 | 44.63 | |
| 6000.00 | 5911.68 | 6025.95 | 5911.68 | 14.54 | 15.82 | 266.25 | -312.88 | -736.55 | 1376.34 | 1345.30 | 44.34 | |
| 6100.00 | 6011.68 | 6125.95 | 6011.68 | 14.65 | 15.91 | 266.25 | -312.88 | -736.55 | 1376.34 | 1345.09 | 44.04 | |
| 6200.00 | 6111.68 | 6225.95 | 6111.68 | 14.76 | 16.01 | 266.25 | -312.88 | -736.55 | 1376.34 | 1344.88 | 43.75 | |
| 6300.00 | 6211.68 | 6325.95 | 6211.68 | 14.88 | 16.11 | 266.25 | -312.88 | -736.55 | 1376.34 | 1344.66 | 43.45 | |
| 6400.00 | 6311.68 | 6425.95 | 6311.68 | 15.00 | 16.21 | 266.25 | -312.88 | -736.55 | 1376.34 | 1344.44 | 43.15 | |
| 6500.00 | 6411.68 | 6525.95 | 6411.68 | 15.12 | 16.31 | 266.25 | -312.88 | -736.55 | 1376.34 | 1344.22 | 42.85 | |
| 6600.00 | 6511.68 | 6625.95 | 6511.68 | 15.24 | 16.42 | 266.25 | -312.88 | -736.55 | 1376.34 | 1343.99 | 42.55 | |
| 6700.00 | 6611.68 | 6725.95 | 6611.68 | 15.37 | 16.52 | 266.25 | -312.88 | -736.55 | 1376.34 | 1343.76 | 42.24 | |
| 6800.00 | 6711.68 | 6825.95 | 6711.68 | 15.49 | 16.63 | 266.25 | -312.88 | -736.55 | 1376.34 | 1343.53 | 41.94 | |
| 6900.00 | 6811.68 | 6925.95 | 6811.68 | 15.62 | 16.74 | 266.25 | -312.88 | -736.55 | 1376.34 | 1343.29 | 41.64 | |
| 7000.00 | 6911.68 | 7025.95 | 6911.68 | 15.75 | 16.86 | 266.25 | -312.88 | -736.55 | 1376.34 | 1343.04 | 41.33 | |
| 7100.00 | 7011.68 | 7125.95 | 7011.68 | 15.88 | 16.97 | 266.25 | -312.88 | -736.55 | 1376.34 | 1342.80 | 41.03 | |
| 7200.00 | 7111.68 | 7225.95 | 7111.68 | 16.02 | 17.09 | 266.25 | -312.88 | -736.55 | 1376.34 | 1342.55 | 40.73 | |
| 7300.00 | 7211.68 | 7325.95 | 7211.68 | 16.15 | 17.20 | 266.25 | -312.88 | -736.55 | 1376.34 | 1342.29 | 40.42 | |
| 7400.00 | 7311.68 | 7425.95 | 7311.68 | 16.29 | 17.32 | 266.25 | -312.88 | -736.55 | 1376.34 | 1342.04 | 40.12 | |
| 7500.00 | 7411.68 | 7525.95 | 7411.68 | 16.42 | 17.45 | 266.25 | -312.88 | -736.55 | 1376.34 | 1341.78 | 39.82 | |



Weatherford International, Ltd.

Anticollision Report



Weatherford

| | | | | | | | |
|----------------------------|-------------------------------------------|-----------------------------------|----------------------------------|--------------|----------|--------------|-------------------|
| Company: | Anadarko-Kerr-McGee | Date: | 7/5/2007 | Time: | 15:04:33 | Page: | 5 |
| Field: | UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) | | | | | | |
| Reference Site: | NBU 1022-13K3S | Co-ordinate(NE) Reference: | Site: NBU 1022-13K3S, Grid North | | | | |
| Reference Well: | 13K3S | Vertical (TVD) Reference: | SITE 5302.0 | | | | |
| Reference Wellpath: | 1 | | | | | | Db: Sybase |

Site: NBU 1022-13M2AS
Well: 13M2AS
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 ft | TVD ft | MD ft | TVD ft | Ref ft | Offset ft | TFO-HS deg | North ft | East ft | | | | |
| 7600.00 | 7511.68 | 7625.95 | 7511.68 | 16.56 | 17.57 | 266.25 | -312.88 | -736.55 | 1376.34 | 1341.52 | 39.52 | |
| 7700.00 | 7611.68 | 7725.95 | 7611.68 | 16.71 | 17.69 | 266.25 | -312.88 | -736.55 | 1376.34 | 1341.25 | 39.22 | |
| 7800.00 | 7711.68 | 7825.95 | 7711.68 | 16.85 | 17.82 | 266.25 | -312.88 | -736.55 | 1376.34 | 1340.98 | 38.92 | |
| 7900.00 | 7811.68 | 7925.95 | 7811.68 | 16.99 | 17.95 | 266.25 | -312.88 | -736.55 | 1376.34 | 1340.71 | 38.63 | |
| 8000.00 | 7911.68 | 8025.95 | 7911.68 | 17.14 | 18.08 | 266.25 | -312.88 | -736.55 | 1376.34 | 1340.43 | 38.33 | |
| 8100.00 | 8011.68 | 8125.95 | 8011.68 | 17.28 | 18.21 | 266.25 | -312.88 | -736.55 | 1376.34 | 1340.16 | 38.04 | |
| 8200.00 | 8111.68 | 8225.95 | 8111.68 | 17.43 | 18.34 | 266.25 | -312.88 | -736.55 | 1376.34 | 1339.88 | 37.74 | |

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.

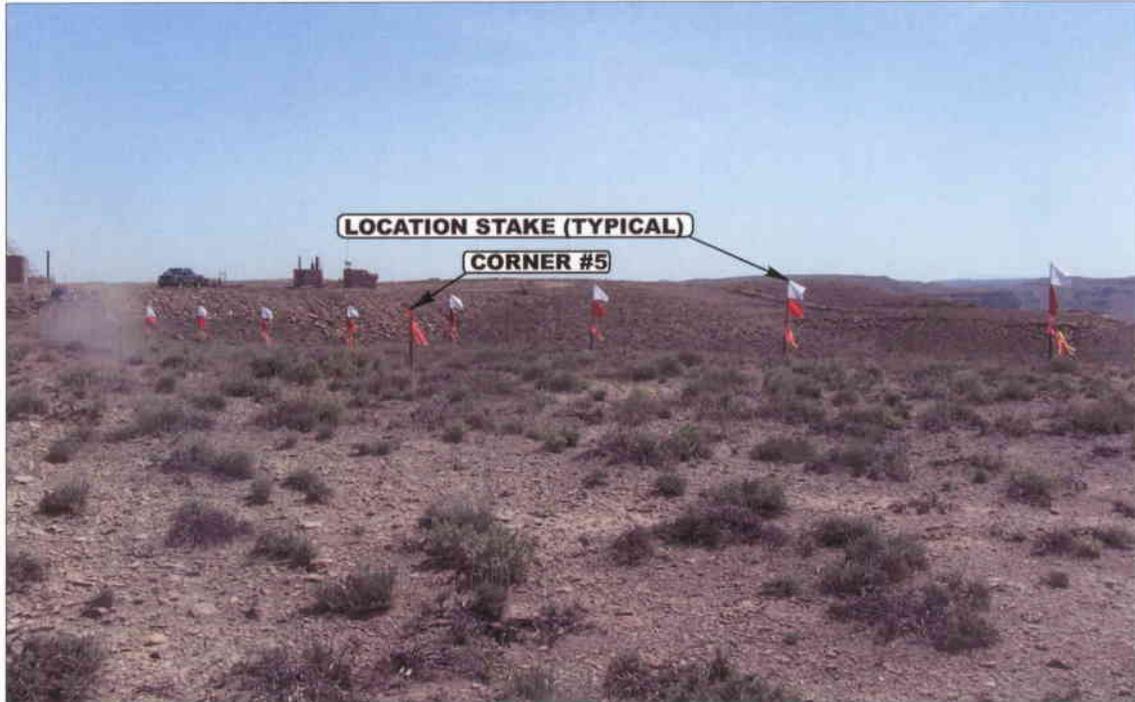


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF EXISTING ACCESS

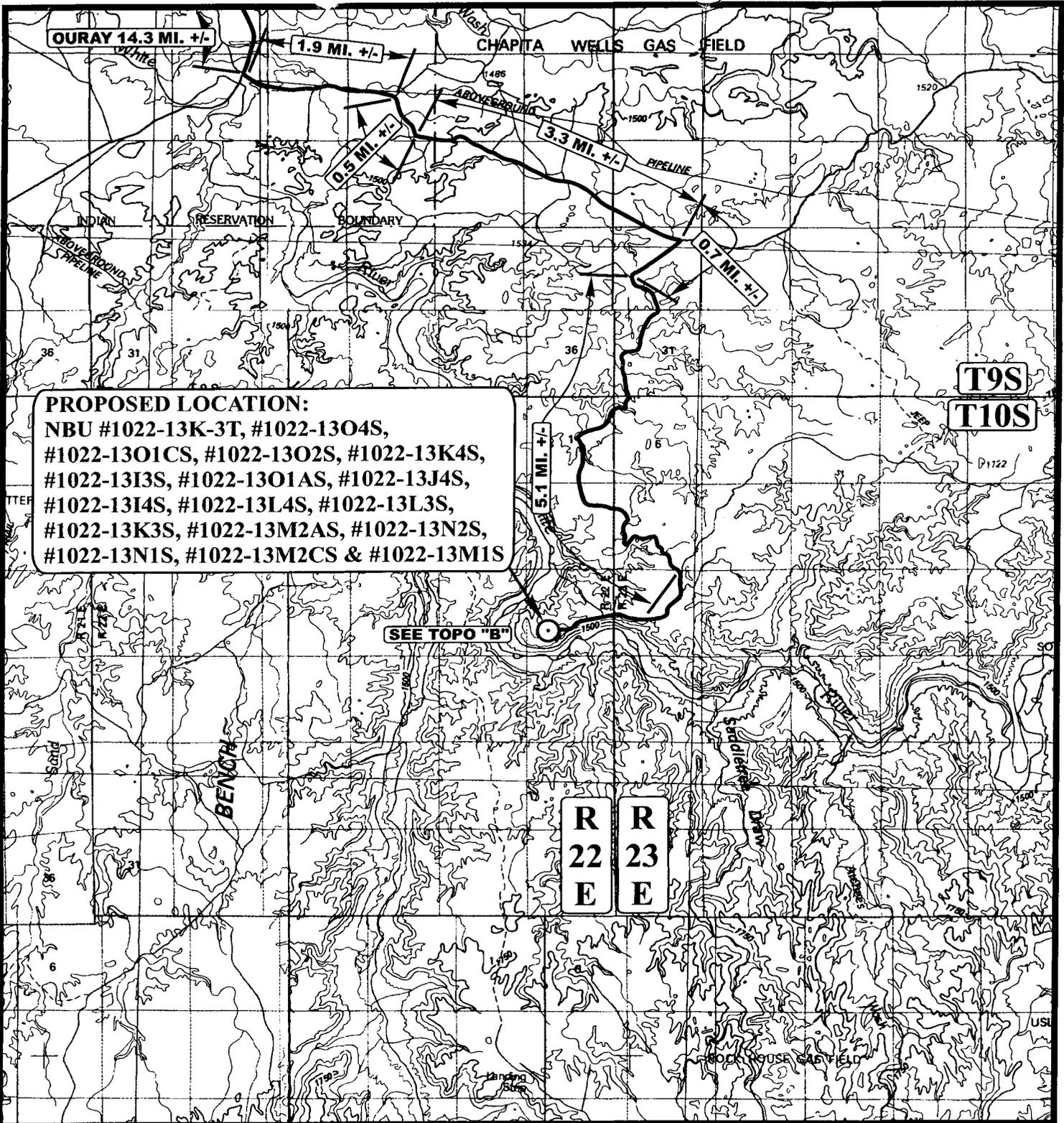
CAMERA ANGLE: WESTERLY



Since 1964 -

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

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

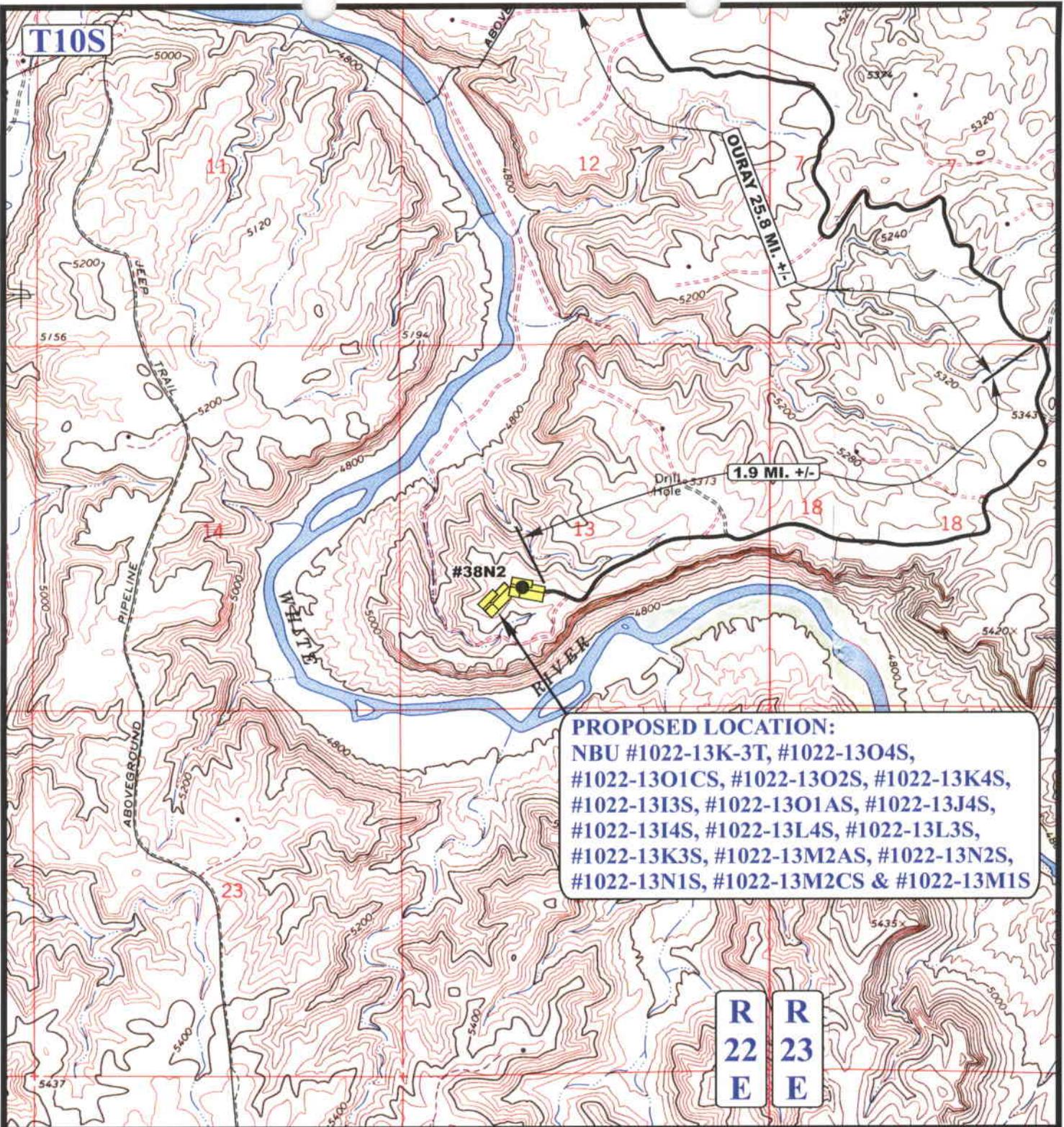


Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 05 17 07
MAP 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 R
22 23
E E

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

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

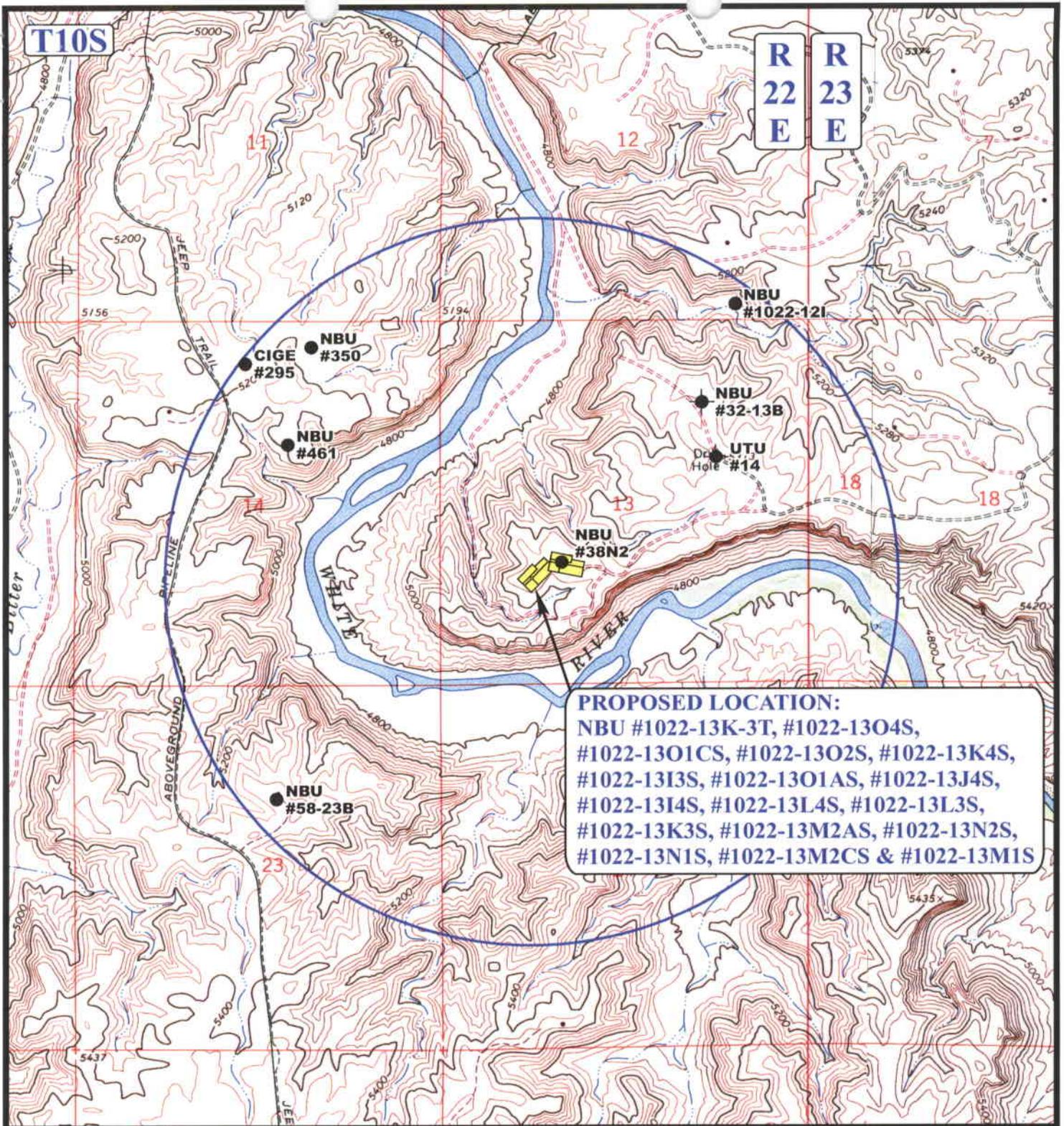


Utah Engineering & Land Surveying
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TOPOGRAPHIC MAP 05 17 07
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





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

LEGEND:

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



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

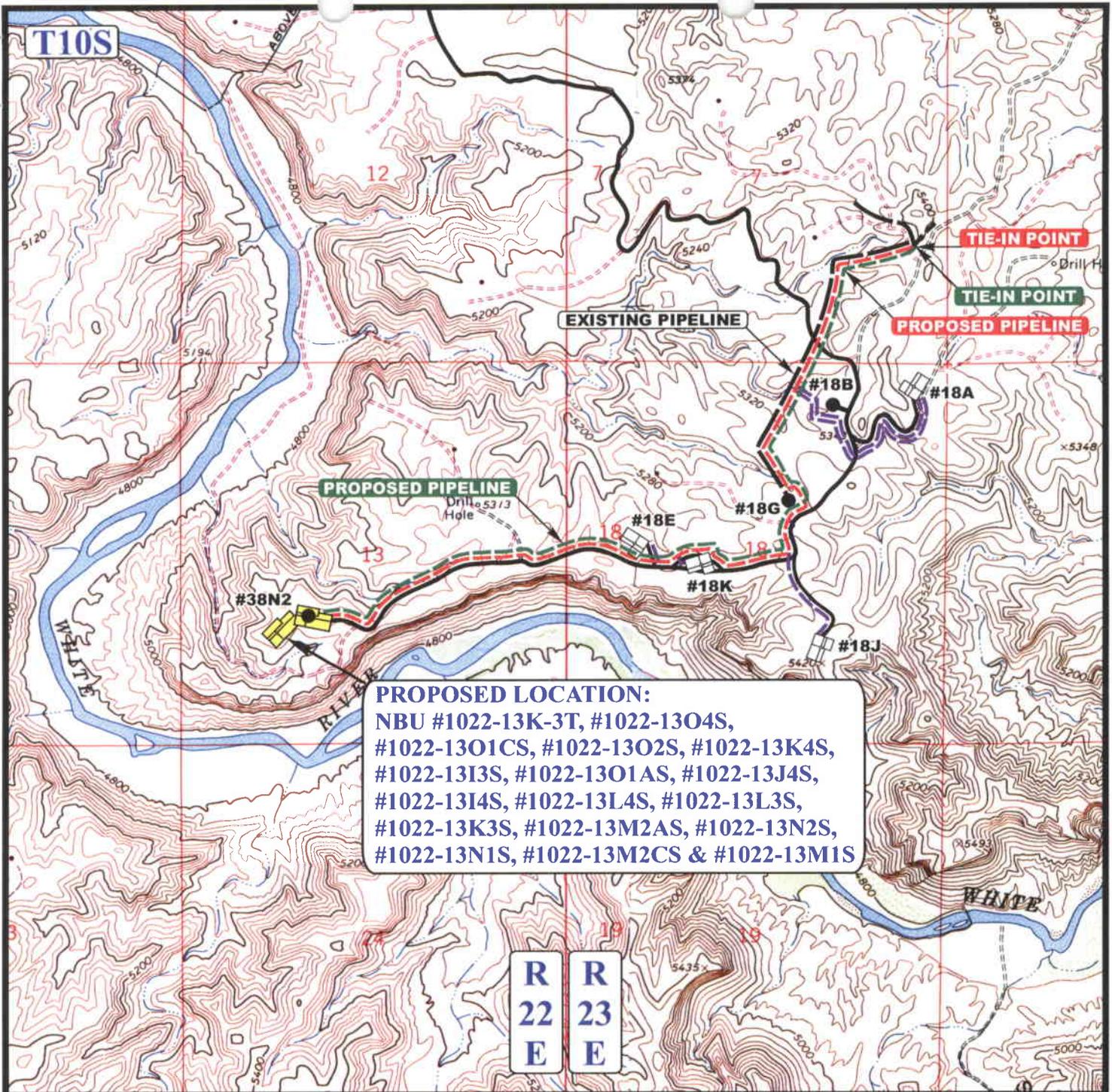


Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 05 17 07
MAP MONTH DAY YEAR

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





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

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

LEGEND:

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



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



Uintah Engineering & Land Surveying
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 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 MONTH
17 DAY
07 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



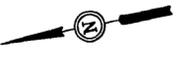
- Since 1964 -

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

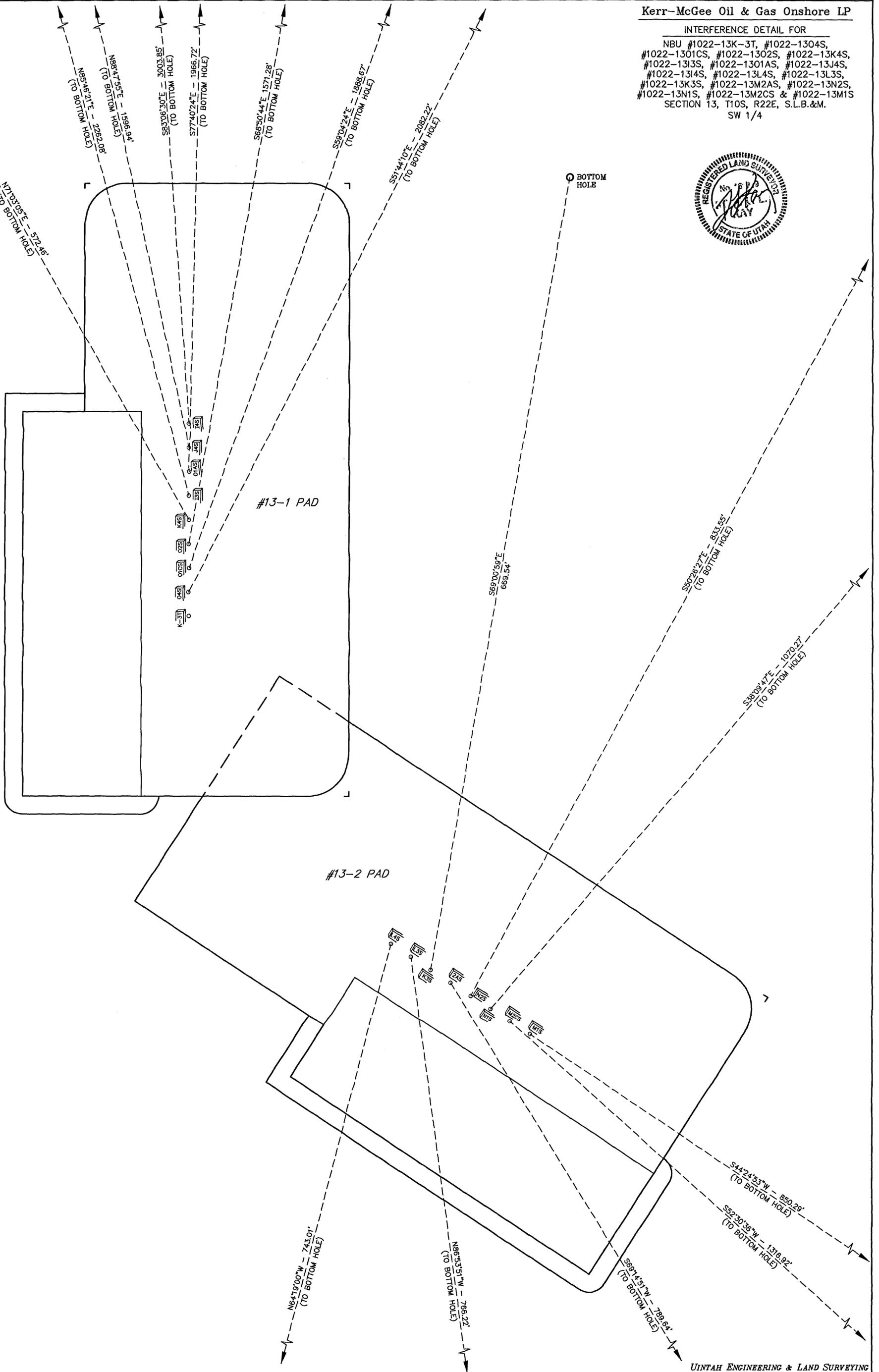
| | | | | | | |
|------------------------|----------------|-------------------|-----------|-----------|-----------|--------------|
| PIPELINE PHOTOS | | | 05 | 17 | 07 | PHOTO |
| MONTH | DAY | YEAR | | | | |
| TAKEN BY: L.K. | DRAWN BY: C.P. | REVISED: 00-00-00 | | | | |

INTERFERENCE DETAIL FOR

NBU #1022-13K-3T, #1022-1304S,
#1022-1301CS, #1022-1302S, #1022-13K4S,
#1022-13J3S, #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



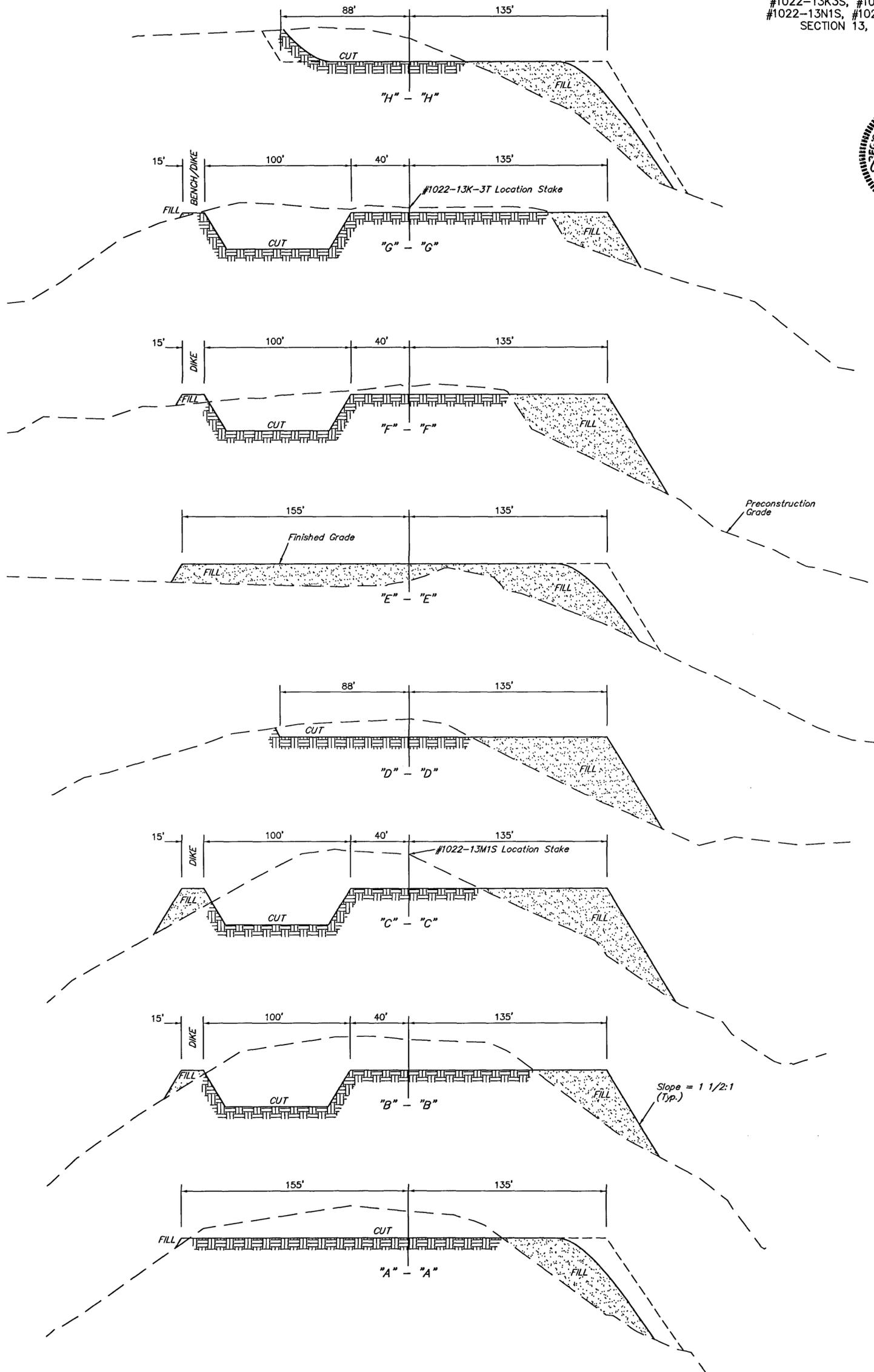
SCALE: 1" = 50'
DATE: 6-13-07
Drawn By: K.G.



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 | = 1,380 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

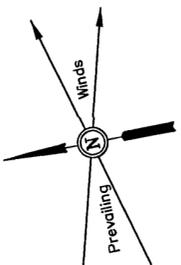
| | |
|-------------------------------------------------|-------------------------|
| CUT | |
| (6") Topsoil Stripping | = 2,860 Cu. Yds. |
| Remaining Location | = 24,050 Cu. Yds. |
| TOTAL CUT | = 26,910 CU.YDS. |
| FILL | = 19,710 CU.YDS. |
| EXCESS MATERIAL | = 7,200 Cu. Yds. |
| Topsoil & Pit Backfill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

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

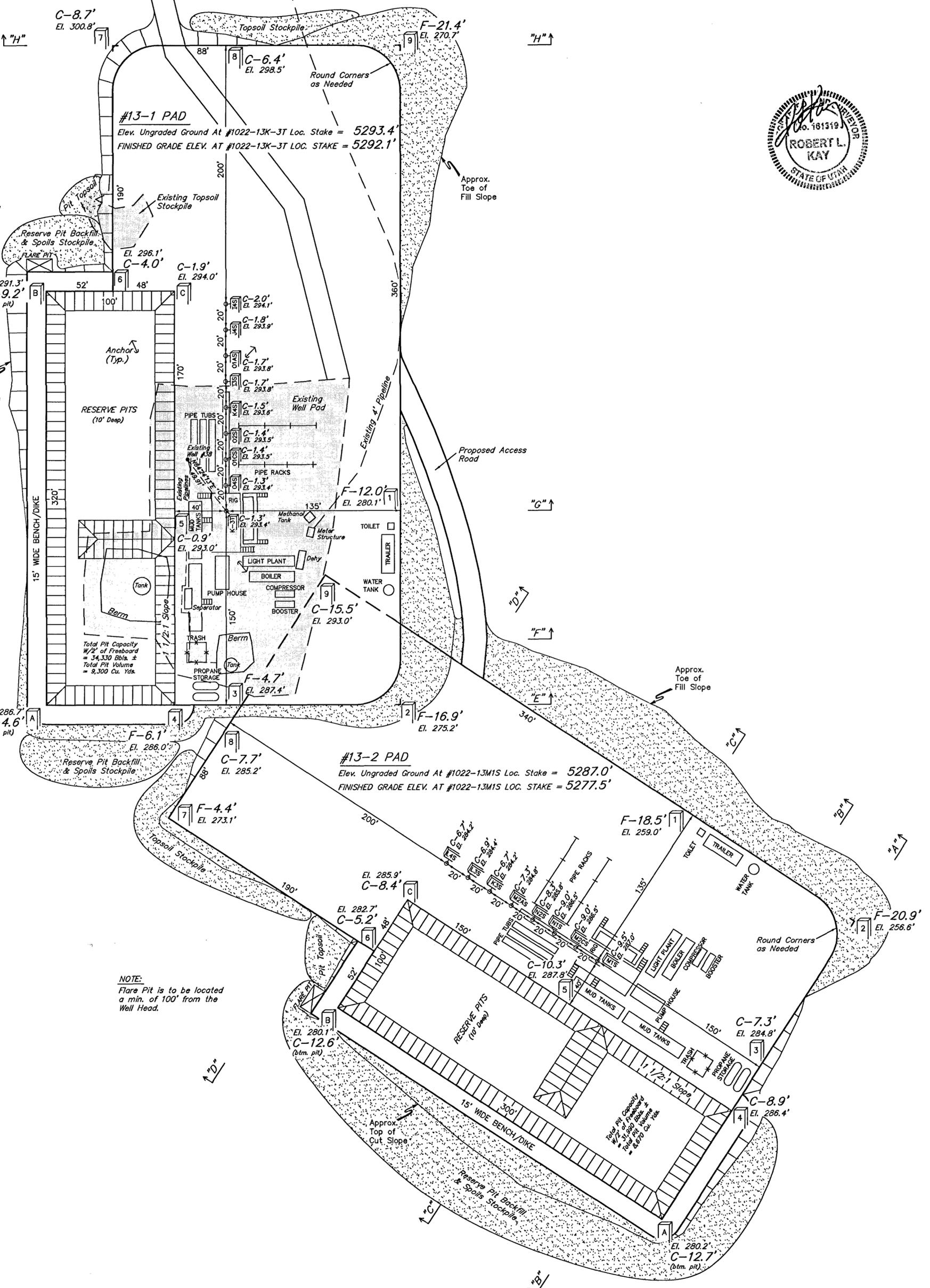
LOCATION LAYOUT FOR

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

FIGURE #1



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



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

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



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/06/2007

API NO. ASSIGNED: 43-047-39481

WELL NAME: NBU 1022-13K3S
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NESW

NESW 13 100S 220E
 SURFACE: 1610 FSL 1343 FWL
 BOTTOM: 1370 FSL 1975 FWL
 COUNTY: UINTAH
 LATITUDE: 39.94608 LONGITUDE: -109.3922
 UTM SURF EASTINGS: 637353 NORTHINGS: 4422801
 FIELD NAME: NATURAL BUTTES (630)

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

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)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 17914
Eff Date: 12-29-07
Siting: 460' fr. Ubl. & U.N.C.M.M. Tract
- R649-3-11. Directional Drill

COMMENTS: Need Drills (06-27-07)

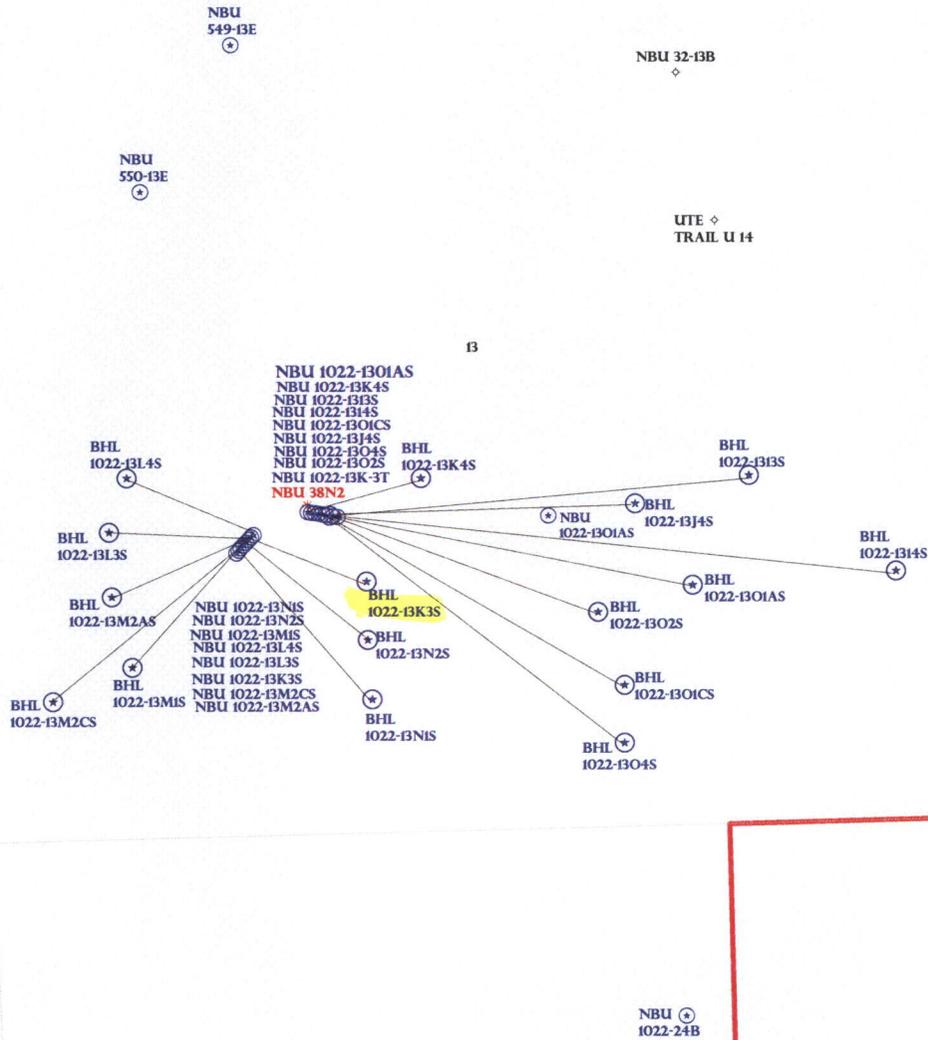
STIPULATIONS: 1- STATEMENT OF BASIS
2- OIL SHALE
3- Surface Crg Cont Stip

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)

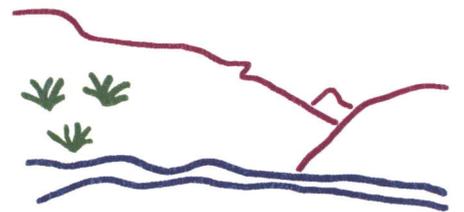
COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

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

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

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



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 |
|------------------|----------------------------------------------------------------------|--------------------------|-----------|-----------|-----|
| 488 | 43-047-39481-00-00 | | GW | S | No |
| Operator | KERR-MCGEE OIL & GAS ONSHORE, LP | Surface Owner-APD | | | |
| Well Name | NBU 1022-13K3S | Unit | | | |
| Field | UNDESIGNATED | Type of Work | | | |
| Location | NESW 13 10S 22E S 1610 FSL 1343 FWL GPS Coord (UTM) 637353E 4422801N | | | | |

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

8/21/2007

Utah Division of Oil, Gas and Mining

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 1022-13K3S
API Number 43-047-39481-0 **APD No** 488 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NESW **Sec** 13 **Tw** 10S **Rng** 22E 1610 FSL 1343 FWL
GPS Coord (UTM) 637361 4422808 **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.

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.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlfe Habitat

New Road

| Miles | Well Pad Width | Length | Src Const Material | Surface Formation |
|-------|-------------------|--------|--------------------|-------------------|
|-------|-------------------|--------|--------------------|-------------------|

Ancillary Facilities

Waste Management Plan Adequate?

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

Casing Schematic

Surface

12 1/2" 12 1/2"

BHP $0.052(8190)11.6 = 4940 \text{ psi}$
anticipate 5078 psi.

GM $0.12(8190) = 982.8$
 $4940 - 983 = 3957 \text{ psi, MAST}$

BOPE SM ✓

Burst 2270
70% 1589 psi

9-5/8"
MW 8.3
Frac 19.3

Max P @ surf. shoe

$.22(6090) = 1340$
 $4940 - 1340 = 3600 \text{ psi}$

Rest to 1589 psi ✓

Stop surf. cnt. ✓

Adequate $\text{MD} 9/7/07$

4-1/2"
MW 11.6

Production
8278. MD
8190. TVD

Uinta

TOC @ 0.

to surf w/5% w/o ✓
TOC @ 738. 946' Green River * Surf. St. A
-1265' Birds Nest Water Proposed to surf.

-1623' Mahogany

Surface
2100. MD
2100. TVD

-3998' Wasatch

-4300' ± BMSW

✓

-6234' Mesaverde

-7072' MV U2

-7631' MV L1

| | | |
|--------------|----------------------------------------------|-----------------------------|
| Well name: | 2007-09 Kerr McGee NBU 1022-13K3S | |
| Operator: | Kerr McGee Oil & Gas Onshore L.P. | |
| String type: | Surface | Project ID: 43-047-39481 |
| Location: | Uintah County, Utah | |

Design parameters:

Collapse

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

Burst

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

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

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

Tension is based on buoyed weight.

Neutral point: 1,844 ft

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

Non-directional string.

Re subsequent strings:

Next setting depth: 8,220 ft
Next mud weight: 11.600 ppg
Next setting BHP: 4,953 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 4, 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 1022-13K3S | |
| Operator: | Kerr McGee Oil & Gas Onshore L.P. | |
| String type: | Production | Project ID: 43-047-39481 |
| 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: 190 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,133 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,935 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 Info - Build & Hold

Kick-off point 2200 ft
Departure at shoe: 675 ft
Maximum dogleg: 2.5 °/100ft
Inclination at shoe: 0 °

Tension is based on buoyed weight.
Neutral point: 6,858 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 | 8278 | 4.5 | 11.60 | I-80 | LT&C | 8190 | 8278 | 3.875 | 722.4 |
| 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 | 4935 | 6360 | 1.289 | 4935 | 7780 | 1.58 | 79 | 212 | 2.70 J |

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

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

Date: September 4, 2007
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8190 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 1022-13K3S Well, 1610' FSL, 1343' FWL, NE SW, Sec. 13, T. 10 South,
R. 22 East, Bottom Location 1370' FSL, 1975' FWL, NE 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 43-047-39481.

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 1022-13K3S
API Number: 43-047-39481
Lease: STUO-08512-ST

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

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

Well Name: NBU 1022-13K3S

Api No: 43-047-39481 Lease Type: STATE

Section 13 Township 10S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 10/27/07

Time 9:00 AM

How DRY

Drilling will Commence: _____

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 10/29/07 Signed CHD

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

FORM 6

ENTITY ACTION FORM

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

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|------------|-----|----------------------------------|-----|--------|
| 4304739481 | NBU 1022-13K3S | | 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> | 10/27/2007 | | <i>10/31/07</i> | | |
| Comments: <i>MIRU PETE MARTIN BUCKET RIG. WSTMVD</i> SPUD WELL LOCATION ON 10/27/2007 AT 0900 HRS <i>BHL = NESW</i> | | | | | | | |

Well 2

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

Well 3

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

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

10/29/2007

Title

Date

RECEIVED

OCT 30 2007

DIV. OF OIL, GAS & MINING

(5/2000)

10/29/07 emailed to emerald@dmr.utah.gov

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT OR CA AGREEMENT NAME:
UNIT #891008900A

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
NBU 1022-13K3S

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

9. API NUMBER:
4304739481

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

PHONE NUMBER:
(435) 781-7024

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **1610'FSL, 1343'FWL**
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: WELL SPUD |
| | <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 10/27/2007 AT 0900 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE *Sheila Upchego* DATE 10/29/2007

(This space for State use only)

RECEIVED
NOV 01 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 1022-13K3S |
| 3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 | | 9. API NUMBER: 4304739481 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610'FSL, 1343'FWL | | 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLARE |
| | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/RESUME) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input checked="" type="checkbox"/> OTHER: SET SURFACE CSG. |
| | <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 11/02/2007. DRILLED 12 1/4" SURFACE HOLE TO 2140'. RAN 9 5/8" 38 JTS OF 32.3# H-40 AND 12 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/200 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT. RAN 200' OF 1" PIPE CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. TOP OUT W/450 SX PREM CLASS @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE AND HOLE STAYED FULL.

WORT.

| | |
|-------------------------------------------|-------------------------------------------|
| NAME (PLEASE PRINT) SHEILA UPCHEGO | TITLE SENIOR LAND ADMIN SPECIALIST |
| SIGNATURE | DATE 11/26/2007 |

(This space for State use only)

RECEIVED
DEC 03 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 1022-13K3S |
| 3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 | | 9. API NUMBER: 4304739481 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610'FSL, 1343'FWL | | 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: FINAL DRILLING OPERATIONS |
| | <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 2140' TO 8370' ON 02/04/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/305 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1160 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/129.5 BBLs FRESH WATER @2150 PSI BUMPED PLUG @2600 PSI FLOATS HELD W/2.0 BBL RETURNS THROUGHOUT CMT JOB W/40 BBLs CMT TO SURFACE. N/DN BOP SET SLIPS MAKE ROUGH CUT 4 1/2 PROD CSG. L/OUT ROUGH CUT. CLEAN PITS.

RELEASED PIONEER RIG 54 ON 02/06/2008 AT 1500 HRS

RECEIVED
FEB 25 2008
DIV. OF OIL, GAS & MINING

| | |
|-------------------------------------------|-------------------------------------------|
| NAME (PLEASE PRINT) SHEILA UPCHEGO | TITLE SENIOR LAND ADMIN SPECIALIST |
| SIGNATURE | DATE 2/12/2008 |

(This space for State use only)

**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: 43 047 39481 API Number: _____ Drilling Commenced: _____
NBU 1022-13K3S
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 | | 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 1022-13K3S |
| 3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 | | 9. API NUMBER: 4304739481 |
| PHONE NUMBER: (435) 781-7024 | | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610'FSL, 1343'FWL | | COUNTY: UINTAH |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E | | 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLARE |
| | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/RESUME) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input checked="" type="checkbox"/> OTHER: <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 05/14/2008 AT 8:30 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
MAY 19 2008
DIV. OF OIL, GAS & MINING

| | |
|-------------------------------------------|-------------------------------------------|
| NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u> | TITLE <u>SENIOR LAND ADMIN SPECIALIST</u> |
| SIGNATURE | DATE <u>5/14/2008</u> |

(This space for State use only)

Wins No.: 95373

NBU 1022-13K3S

Well Operations Summary Long

| | | | | | |
|---------------------------------------------|------------------------------|---------------------------------------|---------------------------------------|------------|-------|
| Operator KERR-MCGEE OIL & GAS ONSHORE LP | FIELD NAME NATURAL BUTTES | SPUD DATE 10/27/2007 | GL 5,287 | KB 5306 | ROUTE |
| API 4304739481 | STATE UTAH | COUNTY UINTAH | DIVISION ROCKIES | | |
| Long/Lat.: 39.94607 / -108.39262 | | Q-Q/Sect/Town/Range: / 13 / 10S / 22E | Footages: 1,610.00' FSL 1,343.00' FWL | | |

Wellbore: NBU 1022-13K3S

| | | | |
|--------------|--------------|------|-------|
| MTD 8,181 | TVD 8,056 | PBMD | PBTVD |
|--------------|--------------|------|-------|

| | | |
|---------------------------|--------------------------|----------------------------|
| EVENT INFORMATION: | EVENT ACTIVITY: DRILLING | START DATE: 10/27/2007 |
| | OBJECTIVE: DEVELOPMENT | END DATE: 2/6/2008 |
| | 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 | 11/02/2007 | 11/02/2007 | 11/02/2007 | 11/02/2007 | 11/17/2007 | 11/17/2007 | 11/17/2007 |

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode | P/U | Operation |
|------|----------------|---------------|-------|------|---------|-----|-----------|
|------|----------------|---------------|-------|------|---------|-----|-----------|

| | | | | | | | |
|------------------------|--------------|-------|--------|----|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/27/2007 | | | | | | | |
| SUPERVISOR: LEW WELDON | | | | | | | |
| | 0:00 - 9:00 | 9.00 | DRLCON | 12 | F | P | WAIT ON PETE MARTIN BUCKET RIG |
| | 9:00 - 13:00 | 4.00 | DRLCON | 02 | A | P | MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 0900 HR 10/27/07 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 54 BLM AND STATE NOTIFIED OF SPUD |
| | 13:00 - 0:00 | 11.00 | DRLCON | 12 | F | P | WOAR |

| | | | | | | | |
|------------------------|---------------|-------|--------|----|---|---|----------------------------------------------------------------------------------------------|
| 11/3/2007 | | | | | | | |
| SUPERVISOR: LEW WELDON | | | | | | | |
| | 0:00 - 11:00 | 11.00 | DRLSUR | 12 | F | P | WAIT ON BILL JR AIR RIG |
| | 11:00 - 18:00 | 7.00 | DRLSUR | 02 | A | P | MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1100 HR 11/2/07 DRILL POILET HOLE DA @ REPORT TIME |
| | 18:00 - 0:00 | 6.00 | DRLSUR | 02 | A | P | RIG T/D @ 1110' CONDITION HOLE 1 HR |

| | | | | | | | |
|------------------------|--------------|-------|--------|----|---|---|-------------------------------------------------------------------------------------------|
| 11/16/2007 | | | | | | | |
| SUPERVISOR: LEW WELDON | | | | | | | |
| | 0:00 - 4:00 | 4.00 | DRLSUR | 12 | F | P | WAIT ON BILL JR AIR RIG |
| | 4:00 - 6:00 | 2.00 | DRLSUR | 02 | A | P | MOVE IN AND RIG UP AIR RIG RIH TO 1110' SPUD WELL @ 0400 HR 11/16/07 DA AT REPORT TIME |
| | 6:00 - 18:00 | 12.00 | DRLSUR | 02 | A | P | RIG DRILLING AHEAD HIT TRONA WATER @ 1410' CIRCULATING WITH SKID PUMP |

Wins No.: 95373

NBU 1022-13K3S

API No.: 4304739481

| | | | | | | |
|--------------|------|--------|----|---|---|-----------------------------------------------------------------|
| 18:00 - 0:00 | 6.00 | DRLSUR | 02 | A | P | RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP WITH FULL RETURNS |
|--------------|------|--------|----|---|---|-----------------------------------------------------------------|

11/17/2007

SUPERVISOR: LEW WELDON

| | | | | | | |
|---------------|------|--------|----|---|---|-----------------------------------------------------------------------|
| 0:00 - 8:00 | 8.00 | DRLSUR | 02 | A | P | RIG T/D @ 2140' CONDITION HOLE 1 HR |
| 8:00 - 11:00 | 3.00 | DRLSUR | 05 | A | P | TRIP DP OUT OF HOLE |
| 11:00 - 14:00 | 3.00 | DRLSUR | 11 | B | P | "RUN 2100' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG" |
| 14:00 - 15:00 | 1.00 | DRLSUR | 15 | A | P | CEMENT 1ST STAGE WITH 200 SKS LEAD AND 200 SKS TAIL NO RETURNS TO PIT |
| 15:00 - 15:30 | 0.50 | DRLSUR | 15 | A | P | 1ST TOP JOB 125 SKS DOWN BS WOC |
| 15:30 - 17:30 | 2.00 | DRLSUR | 15 | A | P | 2ND TOP JOB 125 SKS DOWN BS WOC |
| 17:30 - 19:30 | 2.00 | DRLSUR | 15 | A | P | 3RD TOP JOB 125 SKS DOWN BS WOC |
| 19:30 - 21:30 | 2.00 | DRLSUR | 15 | A | P | 4TH TOP JOB 200 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE |
| 21:30 - 0:00 | 2.50 | DRLSUR | 12 | F | P | NO VISIBLE LEAKS WORT |

1/27/2008

SUPERVISOR: STUART NEILSON/TIM OXNER

| | | | | | | |
|---------------|-------|--------|----|---|---|----------------------------------------------------------------------------------------------------------------|
| 0:00 - 17:00 | 17.00 | DRLPRO | 01 | C | P | RDRT, SKID RIG, 4 TRUCKS, 2 CRANES, 2 CATS |
| 17:00 - 20:00 | 3.00 | DRLPRO | 13 | A | P | NU BOP |
| 20:00 - 0:00 | 4.00 | DRLPRO | 13 | C | P | TEST BOP, TEST ALL RAMS & VALVES TO 250 LOW - 5000 HIGH, ANN 250 LOW - 5000 HIGH, CASING TO 1500 PSI F1 30 MIN |

1/28/2008

SUPERVISOR: STUART NEILSON/TIM OXNER

| | | | | | | |
|---------------|------|--------|----|---|---|------------------------------------------------------------------------------------------------------------|
| 0:00 - 8:00 | 8.00 | DRLPRO | 05 | A | P | TIH BHA & INSPECT ON TIH, TIH 10 STDS DVP, TAG CEMENT @ 2010', PUJ KELLY, INSTALL ROT RUBBER, CENTER STACK |
| 8:00 - 10:30 | 2.50 | DRLPRO | 02 | F | P | DRLG CEMENT & F/E TO 2159' SPUD WELL @ 10:30 1/28/08 |
| 10:30 - 13:00 | 2.50 | DRLPRO | 02 | D | P | DRLG SLIDE F1 2159 TO 2375 216' @ 86.4' PH W FW 8.4 PPG |

| | | | | | | |
|---------------|-------|--------|----|---|---|----------------------------------------------------|
| 13:00 - 13:30 | 0.50 | DRLPRO | 06 | A | P | SERVICE RIG |
| 13:30 - 0:00 | 10.50 | DRLPRO | 02 | D | P | DRLGSLIDE F/ 2375 TO 3027 652' @ 62' PH WA 9.0 PPG |

1/29/2008

SUPERVISOR: KENT MOORE/STUART NEILSON

| | | | | | | |
|---------------|-------|--------|----|---|---|-------------------------------------------------------|
| 0:00 - 15:00 | 15.00 | DRLPRO | 02 | D | P | DRILL/SLIDE F/3027' TO 3767' (740' @ 49.3fph) 9.6ppg |
| 15:00 - 15:30 | 0.50 | DRLPRO | 06 | A | P | RIG SER |
| 15:30 - 0:00 | 8.50 | DRLPRO | 02 | D | P | DRILL/SLIDE F/3767' TO 4144' (377' @ 44.4fph) 9.7ppg |

1/30/2008

SUPERVISOR: KENT MOORE/STUART NEILSON

| | | | | | | |
|---------------|-------|--------|----|---|---|--------------------------------------------------------|
| 0:00 - 15:30 | 15.50 | DRLPRO | 02 | D | P | DRILL/SLIDE F/4144' TO 4937' (793' @ 51.1fph) 9.9ppg |
| 15:30 - 16:00 | 0.50 | DRLPRO | 07 | A | P | RIG SER |
| 16:00 - 0:00 | 8.00 | DRLPRO | 02 | D | P | DRILL/SLIDE F/4937' TO 5216' (279' @ 34.88fph) 10.0ppg |

1/31/2008

SUPERVISOR: KENT MOORE/STUART NEILSON

| | | | | | | |
|---------------|-------|--------|----|---|---|-----------------------------------------------------------|
| 0:00 - 14:30 | 14.50 | DRLPRO | 02 | D | P | DRILL/SLIDE F/5216' TO 5948' (732' @ 50.5fph) MW 10.0/44 |
| 14:30 - 15:00 | 0.50 | DRLPRO | 06 | A | P | RIG SER |
| 15:00 - 0:00 | 9.00 | DRLPRO | 02 | D | P | DRILL/SLIDE F/5948' TO 6264 (316' @ 35.11fph) MW 10.2/44 |

2/1/2008

SUPERVISOR: KENT MOORE/STUART NEILSON

| | | | | | | |
|---------------|-------|--------|----|---|---|----------------------------------------------------------|
| 0:00 - 14:30 | 14.50 | DRLPRO | 02 | D | P | DRILL/SLIDE F/6264' TO 6675' (411' @ 28.3fph) MW 10.4/41 |
| 14:30 - 15:00 | 0.50 | DRLPRO | 02 | D | P | RIG SER |
| 15:00 - 0:00 | 9.00 | DRLPRO | 02 | D | P | DRILL/SLIDE F/6675' TO 6953' (278' @ 30.8fph) MW 10.4/42 |

2/2/2008

SUPERVISOR: KENT MOORE/STUART NEILSON

| | | | | | | |
|---------------|-------|--------|----|---|---|----------------------------------------------------------|
| 0:00 - 15:30 | 15.50 | DRLPRO | 02 | D | P | DRILL/SLIDE F/6953' TO 7338' (385' @ 24.8fph) MW 10.4/42 |
| 15:30 - 16:00 | 0.50 | DRLPRO | 06 | A | P | RIG SER |

| | | | | | | |
|---------------|------|--------|----|---|---|---------------------------------------------------------------------------|
| 15:30 - 16:00 | 0.50 | DRLPRO | 06 | A | P | RIG SER |
| 16:00 - 19:00 | 3.00 | DRLPRO | 02 | D | P | DRILL/SLIDE F/7338' TO 7402' (64' @ 21.3fph) MW 10.6/44 |
| 19:00 - 23:00 | 4.00 | DRLPRO | 05 | A | P | TFNB - L/DN DIRECTIONAL BHA - P/UP BIT #2 - 80/50K MAX OVER PULL TO 4600' |
| 23:00 - 0:00 | 1.00 | DRLPRO | 05 | A | P | RIH BIT #2 - BRK CIRC @ 2119' |

2/3/2008

SUPERVISOR: KENT MOORE/STUART NEILSON

| | | | | | | |
|---------------|-------|--------|----|---|---|-----------------------------------------------------|
| 0:00 - 2:30 | 2.50 | DRLPRO | 05 | A | P | RIH F/2119' TO 7307' |
| 2:30 - 4:00 | 1.50 | DRLPRO | 03 | E | P | WASH F/7307' TO 7402' |
| 4:00 - 10:30 | 6.50 | DRLPRO | 02 | B | P | DRILL F/7402' TO 7720' (318' @ 48.9fph) MW 11.0/44 |
| 10:30 - 11:00 | 0.50 | DRLPRO | 06 | A | P | RIG SER |
| 11:00 - 21:30 | 10.50 | DRLPRO | 02 | B | P | DRILL F/7720' TO 7975' (255' @ 24.3fph) MW 11.4/44 |
| 21:30 - 0:00 | 2.50 | DRLPRO | 05 | A | S | TFNB/MM |

2/4/2008

SUPERVISOR: KENT MOORE/STUART NEILSON

| | | | | | | |
|---------------|------|--------|----|---|---|--------------------------------------------------------|
| 0:00 - 5:30 | 5.50 | DRLPRO | 05 | A | S | TFNB/MM - (NO PROBLEMS ON TOOH/TH) |
| 5:30 - 6:00 | 0.50 | DRLPRO | 03 | E | P | WASH F/7945' TO 7975' - NO FILL |
| 6:00 - 15:00 | 9.00 | DRLPRO | 02 | B | P | DRILL F/7975' TO 8370' - (TD WELL @ 8370' MD 8244' TVD |
| 15:00 - 17:00 | 2.00 | DRLPRO | 04 | C | P | CIRC & COND |
| 17:00 - 20:00 | 3.00 | DRLPRO | 05 | E | P | W/TRIP TO 4500' |
| 20:00 - 21:00 | 1.00 | DRLPRO | 04 | C | P | CIRC & COND |
| 21:00 - 0:00 | 3.00 | DRLPRO | 05 | B | P | POOH F/LOGS |

2/5/2008

SUPERVISOR: KENT MOORE/STUART NEILSON

Wins No.: 95373

NBU 1022-13K3S

API No.: 4304739481

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 4/21/2008
 OBJECTIVE: DEVELOPMENT END DATE:
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:
 REASON: M.V. COMP. WRP#1 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 | HSM. FRACING & PERFORATING HOOK UP WEATHERFORD LINES TO WELL HEAD. RU CUTTERS. PRESSURE TEST PUMPS & LINES TO 8,500 PSI. STG 1) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 180 DEG PHASING. PERFORATE 8,223' - 30' 4 SPF, 8,210' - 12' 4 SPF, 8,156' - 59' 2 SPF, 42 HLOES. POOH WHP 0 PSI, BRK 4,584 PSI @ 2.9 BPM, ISIP 2,731 PSI, FG .77. PUMP 100 BBLS @ 51.8 BPM @ 4,700 PSI = 32 OF 42 HOLES OPEN 76% MP 6,946 PSI, MR 53.9 BPM, AP 4,648 PSI, AR 50.9 BPM. ISIP 2,473 PSI, FG .74, NPI -258 PSI. PMP 3,470 BBLS OF SW & 16,633 LBS 30/50 SAND & 5,504 LBS OF 20/40 RESIN SAND. TOTAL PROP 22,137 LBS STG 2) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 & 180 DEG PHASING. PU 4 1/2" CBP & SET @ 8,022' PERFORATE 7,988' - 92' 4 SPF, 7,948' - 50' 2 SPF, 7,829' - 33' 3 SPF, 7,758' - 59' 3 SPF, 41 HLOES. POOH WHP 2,200 PSI, BRK 3,698 PSI @ 2.8 BPM, ISIP 2,600 PSI, FG .77. PUMP 100 BBLS @ 51.3 BPM @ 4,450 PSI = 34 OF 41 HOLES OPEN 100% MP 5,398 PSI, MR 53 BPM, AP 4,454 PSI, AR 51.3 BPM. ISIP 2,698 PSI, FG .78, NPI 98 PSI. PMP 2,082 BBLS OF SW & 70,871 LBS 30/50 SAND & 5,296 LBS OF 20/40 RESIN SAND. TOTAL PROP 75,967 LBS. SWI SDFN |

4/22/2008

SUPERVISOR: DOUG CHIVERS

| | | | | | | | |
|--|-------------|------|------|----|--|---|----------------------------|
| | 7:00 - 7:30 | 0.50 | COMP | 48 | | P | HSM. FRACING & PERFORATING |
|--|-------------|------|------|----|--|---|----------------------------|

Wins No.: 95373

NBU 1022-13K3S

API No.: 4304739481

7:30 - 16:00 8.50 COMP 36 B P

STG 3) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 120 & 180 DEG PHASING. PU 4 1/2" 8K BAKER CBP & SET @ 7,676'
 PERFORATE 7,624' - 46' 4 SPF, 7,614' - 20' 3 SPF, 7,506' - 10' 2 SPF, 42 HLOES. POOH
 WHP 2,100 PSI, BRK 2,641 PSI @ 2.7 BPM, ISIP 2,188 PSI, FG .75.
 PUMP 100 BBLS @ 51.3 BPM @ 4,500 PSI = 31 OF 42 HOLES OPEN 73%
 AFTER 6,000 LBS OF SAND PUMPED PRESSURE WAS INCREASING FROM 4,659 PSI TO 5,950 PSI. PUMPED A 200 BBLS SWEEP. PRESSURE DROPED TO 5,245 PSI. STARTED SAND AGAIN.
 MP 5,925 PSI, MR 53.4 BPM, AP 4,685 PSI, AR 53 BPM. ISIP 2,727 PSI, FG .80, NPI 539 PSI.
 PMP 4,138 BBLS OF SW & 146,524 LBS 30/50 SAND & 5,047 LBS OF 20/40 RESIN SAND. TOTAL PROP 151,571 LBS

STG 4) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. PU 4 1/2" 8K BAKER CBP & SET @ 7,366'
 PERFORATE 7,329' - 36' 3 SPF, 7,313' - 17' 3 SPF, 7,305' - 10' 3 SPF, 42 HLOES. POOH
 WHP 2,320 PSI, BRK 2,417 PSI @ 2.6 BPM, ISIP 2,254 PSI, FG .75.
 PUMP 100 BBLS @ 50 BPM @ 4,700 PSI = 31 OF 42 HOLES OPEN 74%
 MP 5,430 PSI, MR 50 BPM, AP 4,513 PSI, AR 50 BPM. ISIP 2,567 PSI, FG .79, NPI 313 PSI.
 PMP 1,612 BBLS OF SW & 52,287 LBS 30/50 SAND & 5,911 LBS OF 20/40 RESIN SAND. TOTAL PROP 58,198 LBS

STG 5) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. PU 4 1/2" 8K BAKER CBP & SET @ 7,228'
 PERFORATE 7,195' - 98' 4 SPF, 7,126' - 29' 4 SPF, 7,078' - 82' 4 SPF, 40 HLOES. POOH
 WHP 2,250 PSI, BRK 2,324 PSI @ 3.2 BPM, ISIP 2,271 PSI, FG .76.
 PUMP 100 BBLS @ 50.2 BPM @ 4,500 PSI = 31 OF 42 HOLES OPEN 78%
 MP 4,629 PSI, MR 50.3 BPM, AP 3,989 PSI, AR 50.3 BPM. ISIP 2,401 PSI, FG .78, NPI 130 PSI.
 PMP 2,230 BBLS OF SW & 77,614 LBS 30/50 SAND & 4,949 LBS OF 20/40 RESIN SAND. TOTAL PROP 82,563 LBS

STG 6: P/U 3 3/8" PERF GUNS & 4 1/2" CFP & RIH. SET CFP @ 6918', P/U SHOOT 32 HOLES F/ 6880' - 88', P/U SHOOT 6 HOLES F/ 6791' - 93', P/U SHOOT 4 HOLES F/ 6722' - 24'. POOH. BRK DWN PERFS @ 2601#, EST INJ RT @ 51 BPM @ 4350#, ISIP 2313#, FG .78. TREAT STG 6 W/ 56940# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1575 BBLS. ISIP 2386#, NPI 73#, FG .79

P/U 4 1/2" CFP & RIH. SET KILL PLUG @ 6370'. POOH. PUMP UP TO 4,500 PSI TO CONVERT CBP. WELL COMPLETE

4/30/2008

SUPERVISOR: MARK BONNIE

7:00 - 33 A

7 AM REPORT: CP 0#, TP 0#, 20/64" CK, 0 BWPH
 TTL BBLS RECOVERED: 75
 BBLS LEFT TO RECOVER: 12,418

5/1/2008

SUPERVISOR: MARK BONNIE

7:00 - 33 A

7 AM REPORT: CP 0#, TP 0#, 0/64" CK, 0 BWPH, NO SAND, NO GAS
 TTL BBLS RECOVERED: 75
 BBLS LEFT TO RECOVER: 12,418

5/2/2008

SUPERVISOR: MARK BONNIE

7:00 - 33 A

7 AM REPORT: CP 0#, TP 0#, 0/64" CK, 0 BWPH, NO SAND, NO GAS
 TTL BBLS RECOVERED: 75
 BBLS LEFT TO RECOVER: 12,418

Wins No.: 95373

NBU 1022-13K3S

API No.: 4304739481

5/3/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM REPORT: CP 0#, TP 0#, 0/64" CK, 0 BWPH, NO SAND, NO GAS
TTL BBLS RECOVERED: 75
BBLS LEFT TO RECOVER: 12,418

5/4/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM REPORT: CP 0#, TP 0#, 0/64" CK, 0 BWPH, NO SAND, NO GAS
TTL BBLS RECOVERED: 75
BBLS LEFT TO RECOVER: 12,418

5/5/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM REPORT: CP 0#, TP 0#, 0/64" CK, 0 BWPH, NO SAND, NO GAS
TTL BBLS RECOVERED: 75
BBLS LEFT TO RECOVER: 12,418

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 1022-13K3S

9. API NUMBER:
4304739481

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

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

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

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: **1610'FSL, 1343'FWL**
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH: **1365 2064**
1370'FSL, 1975'FWL (NE/SW) *per DRD review*

14. DATE SPUNDED: **10/27/2007** 15. DATE T.D. REACHED: **2/4/2008** 16. DATE COMPLETED: **5/14/2008** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **5287'GL**

18. TOTAL DEPTH: MD **8,370** TVD **8,244** 19. PLUG BACK T.D.: MD **8,325** TVD **8,200** 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

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

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

| HOLE SIZE | SIZE/GRADE | WEIGHT (#/ft.) | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | CEMENT TYPE & NO. OF SACKS | SLURRY VOLUME (BBL) | CEMENT TOP ** | AMOUNT PULLED |
|-----------|------------|----------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 20" | 14" STL | 36.7# | | 40 | | 28 | | | |
| 12 1/4" | 9 5/8 J-55 | 36# | | 2,140 | | 975 | | | |
| 7 7/8" | 4 1/2 I-80 | 11.6# | | 8,370 | | 1465 | | | |

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" | 7,423 | | | | | | | |

26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) |
|------------------|----------|-------------|-----------|--------------|
| (A) MESAVERDE | 6,722 | 8,230 | | |
| (B) WSMVD | | | | |
| (C) | | | | |
| (D) | | | | |

27. PERFORATION RECORD

| INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|-------------------------|------|-----------|----------------------------------------------------------------------------|
| 6,722 8,230 | 0.36 | 249 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |

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

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|-----------------------------------------------|
| 6722'-8230' | PMP 12,493 BBLs SLICK H2O & 447,376# 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 _____

30. WELL STATUS:
PROD

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

| | | | | | | | | | | |
|-----------------------------------|----------------------|-------------------------|-------------|---------------------|---------------|---------------------------|-----------------|---------------------|---------------------|--------------------------|
| DATE FIRST PRODUCED: 5/14/2008 | | TEST DATE: 5/28/2008 | | HOURS TESTED: 24 | | TEST PRODUCTION RATES: → | OIL - BBL: 0 | GAS - MCF: 1,639 | WATER - BBL: 396 | PROD. METHOD: FLOWING |
| CHOKE SIZE: 17/64 | TBG. PRESS. 1,250 | CSG. PRESS. 2,050 | API GRAVITY | BTU - GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL: 0 | GAS - MCF: 1,639 | WATER - BBL: 396 | 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 | 4,063 6,260 | | | | |

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 6/3/2008

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



Job Number: 083217505098
 Company: Kerr McGee Oil & Gas (Anadarko)
 Lease/Well: NBU 1022-13K3S
 Location: Uintah County, Utah
 Rig Name: Delsco Northwest
 RKB:
 G.L. or M.S.L.:

State/Country: Utah/USA
 Declination: 11.00°
 Grid: East To Grid
 File name: F:\SURVEY\2008SU~1\KERRMC~1\NBU3MK3S
 Date/Time: 05-Mar-08 / 11:15
 Curve Name: 7200' - 8181' M.D. (gyroscopic)

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 140.84

Vertical Section Referenced to offset from Wellhead: EW =.00 Ft , NS=.00 Ft

Rectangular Coordinates Referenced to Wellhead

| Measured Depth FT | Incl Angle Deg | Drift Direction Deg | TRUE Vertical Depth | N-S FT | E-W FT | Vertical Section FT | CLOSURE Distance FT | CLOSURE Direction Deg | Dogleg Severity Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 7191 | 0.94 | 247.4 | 7066.1 | -245.05 | 720.78 | 645.17 | 761.3 | 108.78 | 0 |
| 7200 | 1 | 252.82 | 7075.1 | -245.1 | 720.64 | 645.12 | 761.18 | 108.78 | 1.22 |
| 7300 | 2.25 | 250.98 | 7175.06 | -246 | 717.95 | 644.12 | 758.92 | 108.91 | 1.25 |
| 7400 | 2.25 | 268.08 | 7274.98 | -246.7 | 714.13 | 642.26 | 755.54 | 109.06 | 0.67 |
| 7500 | 2 | 279.18 | 7374.91 | -246.49 | 710.44 | 639.76 | 751.99 | 109.13 | 0.48 |
| 7600 | 1.25 | 277.27 | 7474.87 | -246.08 | 707.64 | 637.67 | 749.2 | 109.17 | 0.75 |
| 7700 | 0.25 | 149.37 | 7574.86 | -246.13 | 706.67 | 637.1 | 748.3 | 109.2 | 1.42 |
| 7800 | 0 | 0 | 7674.86 | -246.31 | 706.78 | 637.31 | 748.47 | 109.21 | 0.25 |
| 7900 | 0.75 | 132.55 | 7774.86 | -246.76 | 707.26 | 637.96 | 749.07 | 109.23 | 0.75 |
| 8000 | 1.75 | 153.65 | 7874.84 | -248.57 | 708.42 | 640.1 | 750.76 | 109.33 | 1.08 |
| 8100 | 1.5 | 158.74 | 7974.8 | -251.15 | 709.57 | 642.83 | 752.71 | 109.49 | 0.29 |
| 8181 | 1.75 | 154.84 | 8055.76 | -253.26 | 710.49 | 645.04 | 754.28 | 109.62 | 0.34 |

NBU 1022-13K3S

| Measured Depth FT | Incl Angle Deg | Drift Direction Deg | TRUE Vertical Depth | N-S FT | E-W FT | Vertical Section FT | CLOSURE Distance FT | CLOSURE Direction Deg | Dogleg Severity Deg/100 |
|----------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 Surf Gyro |
| 100 | 0.25 | 232.57 | 100 | -0.13 | -0.17 | -0.13 | 0.22 | 232.57 | 0.25 Surf Gyro |
| 200 | 0.25 | 223.26 | 200 | -0.42 | -0.5 | -0.42 | 0.65 | 229.47 | 0.04 Surf Gyro |
| 300 | 0.25 | 225.95 | 300 | -0.73 | -0.8 | -0.73 | 1.09 | 227.52 | 0.01 Surf Gyro |
| 400 | 0 | 0 | 400 | -0.89 | -0.96 | -0.89 | 1.31 | 227.26 | 0.25 Surf Gyro |
| 500 | 0.25 | 231.32 | 500 | -1.02 | -1.13 | -1.02 | 1.52 | 227.84 | 0.25 Surf Gyro |
| 600 | 0.25 | 258.01 | 600 | -1.2 | -1.51 | -1.2 | 1.93 | 231.48 | 0.12 Surf Gyro |
| 700 | 0 | 0 | 700 | -1.25 | -1.73 | -1.25 | 2.13 | 234.1 | 0.25 Surf Gyro |
| 800 | 0 | 0 | 800 | -1.25 | -1.73 | -1.25 | 2.13 | 234.1 | 0 Surf Gyro |
| 900 | 0 | 0 | 900 | -1.25 | -1.73 | -1.25 | 2.13 | 234.1 | 0 Surf Gyro |
| 1000 | 0 | 0 | 1000 | -1.25 | -1.73 | -1.25 | 2.13 | 234.1 | 0 Surf Gyro |
| 1100 | 0.25 | 97.46 | 1100 | -1.28 | -1.51 | -1.28 | 1.98 | 229.76 | 0.25 Surf Gyro |
| 1200 | 0 | 0 | 1200 | -1.31 | -1.29 | -1.31 | 1.84 | 224.73 | 0.25 Surf Gyro |
| 1300 | 1 | 311.84 | 1299.99 | -0.72 | -1.94 | -0.72 | 2.07 | 249.57 | 1 Surf Gyro |
| 1400 | 1.25 | 313.53 | 1399.97 | 0.61 | -3.38 | 0.61 | 3.44 | 280.2 | 0.25 Surf Gyro |
| 1500 | 1.25 | 312.66 | 1499.95 | 2.1 | -4.98 | 2.1 | 5.4 | 292.87 | 0.02 Surf Gyro |
| 1600 | 1 | 306.35 | 1599.93 | 3.36 | -6.48 | 3.36 | 7.3 | 297.37 | 0.28 Surf Gyro |
| 1700 | 0.5 | 289.04 | 1699.92 | 4.02 | -7.6 | 4.02 | 8.59 | 297.86 | 0.54 Surf Gyro |
| 1800 | 0.5 | 261.73 | 1799.92 | 4.09 | -8.44 | 4.09 | 9.38 | 295.88 | 0.24 Surf Gyro |
| Lsat Survey Depth Recorded | | | | | | | | | |
| 1900 | 0.5 | 212.42 | 1899.91 | 3.66 | -9.11 | 3.66 | 9.82 | 291.91 | 0.42 Surf Gyro |

| MD | Inc | Azi | TVD | N/S | E/W | V. Sec | Dleg | Build | Turn |
|-------|-------|--------|----------|----------|---------|---------|-------|--------|-------------|
| 2,165 | 0.78 | 200.17 | 2,164.90 | 0.995 | -10.35 | -10.097 | 0.117 | 0.106 | -4.623 MWD |
| 2,229 | 1.97 | 184.21 | 2,228.88 | -0.511 | -10.581 | -9.818 | 1.936 | 1.859 | -24.937 MWD |
| 2,292 | 3.19 | 180.77 | 2,291.81 | -3.344 | -10.684 | -8.979 | 1.951 | 1.937 | -5.46 MWD |
| 2,355 | 4.38 | 175.65 | 2,354.67 | -7.496 | -10.525 | -7.458 | 1.962 | 1.889 | -8.127 MWD |
| 2,418 | 5.63 | 171.02 | 2,417.43 | -12.947 | -9.86 | -5.03 | 2.084 | 1.984 | -7.349 MWD |
| 2,482 | 7.19 | 171.15 | 2,481.03 | -20.006 | -8.754 | -1.654 | 2.438 | 2.437 | 0.203 MWD |
| 2,545 | 8.25 | 164.4 | 2,543.46 | -28.255 | -6.932 | 2.792 | 2.211 | 1.683 | -10.714 MWD |
| 2,608 | 9.44 | 158.02 | 2,605.71 | -37.4 | -3.782 | 8.785 | 2.445 | 1.889 | -10.127 MWD |
| 2,671 | 10.44 | 151.15 | 2,667.77 | -47.191 | 0.906 | 16.445 | 2.46 | 1.587 | -10.905 MWD |
| 2,735 | 11.38 | 143.9 | 2,730.61 | -57.373 | 7.425 | 25.961 | 2.596 | 1.469 | -11.328 MWD |
| 2,798 | 11.75 | 139.4 | 2,792.33 | -67.266 | 15.261 | 36.626 | 1.547 | 0.587 | -7.143 MWD |
| 2,861 | 11.5 | 130.9 | 2,854.05 | -76.249 | 24.183 | 48.014 | 2.745 | -0.397 | -13.492 MWD |
| 2,924 | 11.56 | 123.27 | 2,915.78 | -83.824 | 34.209 | 59.979 | 2.421 | 0.095 | -12.111 MWD |
| 2,987 | 11.63 | 117.27 | 2,977.49 | -90.196 | 45.131 | 72.394 | 1.917 | 0.111 | -9.524 MWD |
| 3,051 | 12.5 | 109.65 | 3,040.08 | -95.482 | 57.389 | 85.709 | 2.833 | 1.359 | -11.906 MWD |
| 3,114 | 12.94 | 106.02 | 3,101.54 | -99.721 | 70.59 | 99.57 | 1.448 | 0.698 | -5.762 MWD |
| 3,177 | 14.44 | 103.4 | 3,162.75 | -103.488 | 85.012 | 114.426 | 2.576 | 2.381 | -4.159 MWD |
| 3,241 | 16 | 102.9 | 3,224.50 | -107.307 | 101.373 | 131.131 | 2.446 | 2.437 | -0.781 MWD |
| 3,304 | 16.38 | 102.65 | 3,285.00 | -111.191 | 118.504 | 148.583 | 0.613 | 0.603 | -0.397 MWD |
| 3,368 | 16.06 | 102.4 | 3,346.46 | -115.068 | 135.955 | 166.335 | 0.512 | -0.5 | -0.391 MWD |
| 3,430 | 15.93 | 106.25 | 3,406.06 | -119.291 | 152.5 | 183.346 | 1.724 | -0.21 | 6.21 MWD |
| 3,494 | 17.56 | 103.4 | 3,467.34 | -123.986 | 170.325 | 201.722 | 2.851 | 2.547 | -4.453 MWD |
| 3,557 | 19.94 | 100.77 | 3,527.00 | -128.197 | 190.127 | 221.803 | 4.008 | 3.778 | -4.175 MWD |
| 3,620 | 17.69 | 97.77 | 3,586.63 | -131.499 | 210.167 | 241.809 | 3.887 | -3.571 | -4.762 MWD |
| 3,683 | 18.25 | 95.27 | 3,646.55 | -133.699 | 229.475 | 260.759 | 1.513 | 0.889 | -3.968 MWD |
| 3,746 | 21.31 | 97.15 | 3,705.83 | -136.03 | 250.661 | 281.526 | 4.96 | 4.857 | 2.984 MWD |
| 3,810 | 24.13 | 100.77 | 3,764.86 | -139.923 | 275.058 | 305.839 | 4.916 | 4.406 | 5.656 MWD |

| | | | | N-S | E-W | | | | |
|----------------------------|-------|--------|----------|----------|---------|---------|-------|--------|--------------|
| 3,873 | 24.38 | 106.4 | 3,822.31 | -146.002 | 300.186 | 331.564 | 3.691 | 0.397 | 8.937 MWD |
| 3,936 | 25.56 | 106.77 | 3,879.42 | -153.595 | 325.673 | 358.129 | 1.889 | 1.873 | 0.587 MWD |
| 3,999 | 24.69 | 102.77 | 3,936.46 | -160.425 | 351.521 | 384.782 | 3.028 | -1.381 | -6.349 MWD |
| 4,063 | 24.13 | 101.52 | 3,994.74 | -165.992 | 377.375 | 411.025 | 1.19 | -0.875 | -1.953 MWD |
| 4,126 | 25.69 | 99.77 | 4,051.88 | -170.882 | 403.453 | 437.253 | 2.738 | 2.476 | -2.778 MWD |
| 4,190 | 26 | 98.15 | 4,109.48 | -175.224 | 431.01 | 464.698 | 1.205 | 0.484 | -2.531 MWD |
| 4,253 | 24.63 | 100.9 | 4,166.43 | -179.665 | 457.573 | 491.236 | 2.865 | -2.175 | 4.365 MWD |
| 4,316 | 23.63 | 99.9 | 4,223.92 | -184.318 | 482.902 | 516.681 | 1.715 | -1.587 | -1.587 MWD |
| 4,378 | 21.56 | 102.27 | 4,281.16 | -188.876 | 506.278 | 540.25 | 3.647 | -3.339 | 3.823 MWD |
| 4,442 | 20.94 | 101.4 | 4,340.81 | -193.636 | 528.979 | 563.249 | 1.087 | -0.969 | -1.359 MWD |
| 4,506 | 20.06 | 101.15 | 4,400.76 | -198.019 | 550.96 | 585.443 | 1.382 | -1.375 | -0.391 MWD |
| 4,569 | 17.44 | 103.4 | 4,460.41 | -202.297 | 570.748 | 605.534 | 4.314 | -4.159 | 3.571 MWD |
| 4,632 | 16.94 | 102.77 | 4,520.59 | -206.513 | 588.883 | 624.044 | 0.847 | -0.794 | -1 MWD |
| 4,695 | 16.13 | 104.02 | 4,580.99 | -210.662 | 606.325 | 641.877 | 1.404 | -1.286 | 1.984 MWD |
| 4,759 | 14.44 | 106.77 | 4,642.72 | -215.119 | 622.592 | 658.703 | 2.873 | -2.641 | 4.297 MWD |
| 4,822 | 13.5 | 107.15 | 4,703.86 | -219.554 | 637.14 | 673.899 | 1.499 | -1.492 | 0.603 MWD |
| 4,885 | 12.63 | 108.4 | 4,765.23 | -223.896 | 650.702 | 688.135 | 1.452 | -1.381 | 1.984 MWD |
| 4,948 | 11.69 | 106.02 | 4,826.81 | -227.832 | 663.373 | 701.394 | 1.691 | -1.492 | -3.778 MWD |
| 5,011 | 10.13 | 103.02 | 4,888.67 | -230.841 | 674.906 | 713.274 | 2.634 | -2.476 | -4.762 MWD |
| 5,074 | 7.94 | 104.02 | 4,950.89 | -233.144 | 684.526 | 723.115 | 3.485 | -3.476 | 1.587 MWD |
| 5,138 | 6.44 | 103.65 | 5,014.38 | -235.062 | 692.303 | 731.089 | 2.345 | -2.344 | -0.578 MWD |
| 5,201 | 4.56 | 99.05 | 5,077.09 | -236.29 | 698.21 | 737.07 | 3.063 | -2.984 | -7.302 MWD |
| 5,264 | 2.94 | 100.52 | 5,139.95 | -236.979 | 702.272 | 741.132 | 2.576 | -2.571 | 2.333 MWD |
| 5,327 | 2.81 | 102.65 | 5,202.88 | -237.612 | 705.368 | 744.262 | 0.267 | -0.206 | 3.381 MWD |
| 5,390 | 1.75 | 103.4 | 5,265.82 | -238.173 | 707.81 | 746.753 | 1.683 | -1.683 | 1.19 MWD |
| 5,453 | 1.19 | 114.4 | 5,328.80 | -238.666 | 709.342 | 748.362 | 0.991 | -0.889 | 17.46 MWD |
| 5,548 | 1.31 | 121.4 | 5,423.78 | -239.64 | 711.167 | 750.406 | 0.204 | 0.126 | 7.368 MWD |
| 5,643 | 1.44 | 131.02 | 5,518.75 | -240.989 | 712.995 | 752.577 | 0.278 | 0.137 | 10.126 MWD |
| 5,738 | 1.75 | 123.9 | 5,613.72 | -242.581 | 715.099 | 755.089 | 0.387 | 0.326 | -7.495 MWD |
| 5,832 | 1.88 | 127.9 | 5,707.67 | -244.329 | 717.507 | 757.939 | 0.193 | 0.138 | 4.255 MWD |
| 5,927 | 1.81 | 100.15 | 5,802.62 | -245.551 | 720.214 | 760.898 | 0.934 | -0.074 | -29.211 MWD |
| 6,022 | 1.75 | 96.9 | 5,897.58 | -245.989 | 723.131 | 763.796 | 0.124 | -0.063 | -3.421 MWD |
| 6,117 | 1.88 | 99.4 | 5,992.53 | -246.418 | 726.108 | 766.748 | 0.16 | 0.137 | 2.632 MWD |
| 6,212 | 1.38 | 100.27 | 6,087.49 | -246.877 | 728.771 | 769.413 | 0.527 | -0.526 | 0.916 MWD |
| 6,307 | 1.38 | 103.02 | 6,182.46 | -247.338 | 731.011 | 771.679 | 0.07 | 0 | 2.895 MWD |
| 6,402 | 1.25 | 105.77 | 6,277.44 | -247.878 | 733.123 | 773.851 | 0.152 | -0.137 | 2.895 MWD |
| 6,497 | 1.44 | 100.77 | 6,372.41 | -248.382 | 735.293 | 776.066 | 0.235 | 0.2 | -5.263 MWD |
| 6,591 | 0.5 | 83.32 | 6,466.40 | -248.555 | 736.861 | 777.602 | 1.037 | -1 | -18.564 MWD |
| 6,655 | 0.44 | 283.02 | 6,530.40 | -248.467 | 736.899 | 777.609 | 1.447 | -0.094 | -250.469 MWD |
| 6,749 | 2.56 | 287.9 | 6,624.36 | -247.741 | 734.549 | 775.151 | 2.257 | 2.255 | 5.191 MWD |
| 6,812 | 2.75 | 289.27 | 6,687.29 | -246.81 | 731.783 | 772.234 | 0.318 | 0.302 | 2.175 MWD |
| 6,875 | 2.38 | 288.52 | 6,750.23 | -245.895 | 729.116 | 769.414 | 0.59 | -0.587 | -1.19 MWD |
| 6,939 | 2.06 | 285.65 | 6,814.18 | -245.163 | 726.749 | 766.938 | 0.529 | -0.5 | -4.484 MWD |
| 7,002 | 1.69 | 277.52 | 6,877.15 | -244.736 | 724.737 | 764.898 | 0.722 | -0.587 | -12.905 MWD |
| 7,097 | 1.13 | 263.52 | 6,972.12 | -244.658 | 722.418 | 762.683 | 0.688 | -0.589 | -14.737 MWD |
| Last Survey Depth Recorded | | | | | | | | | |
| 7,191 | 0.94 | 247.4 | 7,066.10 | -245.059 | 720.785 | 761.274 | 0.368 | -0.202 | -17.149 MWD |

| | |
|---------------------------------------------------------------------------------------------|---------------|
| 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 1022-13K3S | |
| 9. API NUMBER: 43047394810000 | |
| 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 | |
| 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: 720 929-6511 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1343 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S | |

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 Regularatory Analyst |
| SIGNATURE N/A | DATE 3/23/2012 | |

Greater Natural Buttes Unit



NBU 1022-13K3S
RE-COMPLETIONS PROCEDURE

DATE:3/19/2012
AFE#:
API#:4304739481
USER ID:WIU473 (Frac Invoices Only)

COMPLETIONS ENGINEER: RACHAEL HILL, Denver, CO
(720)929-6599 (Office)
(303)-907-9167 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: NBU 1022-13K3S
Location: SW NE SW SEC 13 T10S R22E
LAT: 39.946069 **LONG: -109.392822** **COORDINATE: NAD83 (Surface)**
Uintah County, UT
Date: 3/19/2012

ELEVATIONS: 5287' GL 5306' KB *Frac Registry TVD: 8244*

TOTAL DEPTH: 8370'

PBTD: 8325'

SURFACE CASING:

9 5/8", 36# J-55 LT&C @ 103'
9 5/8", 32.3# H-40 LT&C @ 103-1694'
9 5/8", 36# J-55 LT&C @ 1694-2119'
4 1/2", 11.6#, I-80 LT&C @ 8370'

PRODUCTION CASING:

Marker Joint **4030-4051'**

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:

1036' Green River Top
1281' Bird's Nest Top
1753' Mahogany Top
4063' Wasatch Top
6254' Mesaverde Top

BOTTOMS:

6254' Wasatch Bottom
8370' Mesaverde Bottom (TD)

T.O.C. @ 300 & HYDRAULIC ISOLATION @ 1710' from Cutters CBL 3/16/08

GENERAL:

- A minimum of **6** 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 2/4/2008
- **3** fracturing stages required for coverage.
- Procedure calls for **4** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- 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 @~7423
- 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 | | 6722 | 6724 | 2 | 4 | 04/21/2008 |
| MESA VERDE | | 6791 | 6793 | 3 | 6 | 04/21/2008 |
| MESA VERDE | | 6880 | 6888 | 4 | 32 | 04/21/2008 |
| MESA VERDE | | 7078 | 7082 | 4 | 16 | 04/21/2008 |
| MESA VERDE | | 7126 | 7129 | 4 | 12 | 04/21/2008 |
| MESA VERDE | | 7195 | 7198 | 4 | 12 | 04/21/2008 |
| MESA VERDE | | 7305 | 7308 | 3 | 9 | 04/21/2008 |
| MESA VERDE | | 7313 | 7317 | 3 | 12 | 04/21/2008 |
| MESA VERDE | | 7329 | 7335 | 3 | 18 | 04/21/2008 |
| MESA VERDE | | 7506 | 7510 | 2 | 8 | 04/21/2008 |
| MESA VERDE | | 7614 | 7620 | 3 | 18 | 04/21/2008 |
| MESA VERDE | | 7642 | 7646 | 4 | 16 | 04/21/2008 |
| MESA VERDE | | 7756 | 7759 | 3 | 9 | 04/21/2008 |
| MESA VERDE | | 7829 | 7833 | 3 | 12 | 04/21/2008 |
| MESA VERDE | | 7948 | 7950 | 2 | 4 | 04/21/2008 |
| MESA VERDE | | 7988 | 7992 | 4 | 16 | 04/21/2008 |
| MESA VERDE | | 8156 | 8159 | 2 | 6 | 04/21/2008 |
| MESA VERDE | | 8210 | 8212 | 4 | 8 | 04/21/2008 |
| MESA VERDE | | 8223 | 8230 | 4 | 28 | 04/21/2008 |

Relevant History:

| Date | Time Start-End | Duration (hr) | Phase | Code | Subcode | P/U | Operation |
|-----------|----------------|---------------|-------|------|---------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3/15/2011 | 7:00 - | | PROD | 35 | G | P | <p><u>DWC:</u> \$520.00 <u>CWC:</u> \$520.00 <u>MD:</u></p> <p>Travel to location rig up went in with jdc stacked out at 7401 beat down latch on plunger came out had a sand plunger went back in latch on spring hit oil jars 6 times broke loose came out had a titanium spring put on bailer run T.D stacked out at 8252 beat down came out bailer had some sand scratch and brouch tubing had some sand came out 1.90 brouch was clean plunger was good titanium spring was good drop titanium spring and sand plunger chase to bottom came out rig down travel to next location.</p> <p>FLUID LEVEL6800SEAT NIPPLE DEPTH7401 SN TYPEXTD (Max Depth)8252</p> <p>JOB DETAILS SPRING AND/OR PRODUCTION TOOL DETAIL Spring OutUsed-TitaniumSpring InUsed-Titanium Stuck SpringYes, stuck but able to latch onCorrosion on SpringNo Bailed AcidNo Broken SpringNoScale on SpringNo Production ToolsNoneDepth of Tool Other HardwareNone</p> <p>PLUNGER DETAIL Stuck PlungerYes, stuck but able to latch onCorrosion on PlungerNo Broken PlungerNoScale on PlungerNo</p> <p>SOLIDS DETAIL Tight SpotsNoneSeverity of TrashLight Solid sample to turn inYesSolid Sample SourceTubing Speculated Type of SolidSandSpeculated Depth of Solid</p> <p>LOST SLICKLINE TOOLS Slickline Tools LostNoDepth of Tool</p> |

H2S History:

| NBU 1022-13K3S | | Max(Separator H2S (ppm)) | Max(Tank H2S (ppm)) |
|----------------|-----|--------------------------|---------------------|
| 2009 | Feb | 0 | 0 |
| 2009 | Mar | 40 | 0 |
| 2009 | Apr | 46 | 0 |
| 2009 | May | 38 | 31 |
| 2009 | Jun | 10 | 0 |
| 2009 | Jul | 50 | 0 |
| 2009 | Aug | 52 | 0 |
| 2009 | Sep | 50 | 0 |
| 2009 | Oct | 60 | 0 |
| 2009 | Nov | 102 | 0 |
| 2009 | Dec | 48 | 0 |
| 2010 | Jan | 70 | 0 |
| 2010 | Feb | 108 | 0 |
| 2010 | Mar | 54 | 0 |
| 2010 | Apr | 100 | 0 |
| 2010 | May | 70 | 0 |
| 2010 | Jun | 60 | 0 |
| 2010 | Jul | 30 | 0 |
| 2010 | Aug | 43 | 0 |
| 2010 | Sep | 43 | 0 |
| 2010 | Oct | 79 | 0 |
| 2010 | Dec | 89 | 0 |
| 2011 | Jan | 104 | 0 |
| 2011 | Mar | 87 | 0 |
| 2011 | Apr | 104 | 0 |
| 2011 | May | 95 | 0 |
| 2011 | Jun | 97 | 0 |
| 2011 | Jul | 89 | 0 |
| 2011 | Aug | 103 | 0 |
| 2011 | Sep | 104 | 0 |
| 2011 | Oct | 127 | 0 |
| 2011 | Nov | 88 | 0 |
| 2011 | Dec | 105 | 0 |
| 2012 | Jan | 98 | 0 |
| 2012 | Feb | 103 | 0 |
| 2012 | Mar | 101 | 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 ~7423'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 6270 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6270 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6220'. 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 | 6041 | 6043 | 4 | 8 |
| WASATCH | 6166 | 6170 | 4 | 16 |
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 ~6041' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~5765'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

| Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5620 | 5621 | 4 | 4 |
| WASATCH | 5730 | 5735 | 4 | 20 |
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5620' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~5511'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

| Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5238 | 5239 | 4 | 4 |
| WASATCH | 5319 | 5320 | 4 | 4 |
| WASATCH | 5337 | 5338 | 4 | 4 |
| WASATCH | 5362 | 5363 | 4 | 4 |
| WASATCH | 5439 | 5440 | 4 | 4 |
| WASATCH | 5480 | 5481 | 4 | 4 |
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5238' flush only with recycled water.
11. Set 8000 psi CBP at~5188'.

12. ND Frac Valves, NU and Test BOPs.
13. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
14. Mill 3 plugs and clean out to a depth of 6240'.
15. Land tubing at 5590', drop ball and pump open sub. Flow back completion load. RDMO
16. MIRU, POOH tbg and mill. TIH with POBS and mill.
17. Mill last plug @ 6220' clean out to PBSD at 8325'. Land tubing at ±7423' pump off bit and bit sub. **This well WILL be commingled at this time.**
18. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
19. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Rachael Hill, Denver, CO
(720)-929-5699 (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.

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 BBL 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

Total Stages 3 stages
 Last Stage Flush 3,419 gals

Service Company Supplied Chemicals - Job Totals

| | | | | |
|------------------------------|-----|--------|-----|-------------|
| Friction Reducer | 44 | gals @ | 0.5 | GPT |
| Surfactant | 88 | gals @ | 1.0 | GPT |
| Clay Stabilizer | 44 | gals @ | 0.5 | GPT |
| 15% Hcl | 750 | gals @ | 250 | gal/stg |
| Iron Control for acid | 4 | gals @ | 5.0 | GPT of acid |
| Surfactant for acid | 2 | gals @ | 2.0 | GPT of acid |
| Corrosion Inhibitor for acid | 3 | gals @ | 4.0 | GPT of acid |

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

| | | | | |
|-----------------|-----|--------------------------------|-----|-----|
| Scale Inhibitor | 259 | gals pumped per schedule above | | |
| Biocide | 26 | gals @ | 0.3 | GPT |

Name NBU 1022-13K3S
 Perforation and CBP Summary

| Stage | Zones | Perforations | | SPF | Holes | Fracture Coverage | | |
|------------------|------------------|--------------|------------|-----|-----------|-------------------|-------|---------|
| | | Top, ft | Bottom, ft | | | | | |
| 1 | WASATCH | 6041 | 6043 | 4 | 8 | 6036.25 | to | 6047.25 |
| | WASATCH | 6166 | 6170 | 4 | 16 | 6148.75 | to | 6173.25 |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| | # of Perfs/stage | | | | 24 | CBP DEPTH | 5,765 | |
| 2 | WASATCH | 5620 | 5621 | 4 | 4 | 5608.25 | to | 5624.25 |
| | WASATCH | 5730 | 5735 | 4 | 20 | 5726.75 | to | 5735.75 |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| | # of Perfs/stage | | | | 24 | CBP DEPTH | 5,511 | |
| 3 | WASATCH | 5238 | 5239 | 4 | 4 | 5230.75 | to | 5243.75 |
| | WASATCH | 5319 | 5320 | 4 | 4 | 5315.75 | to | 5326.75 |
| | WASATCH | 5337 | 5338 | 4 | 4 | 5336.75 | to | 5340.25 |
| | WASATCH | 5362 | 5363 | 4 | 4 | 5349.75 | to | 5365.25 |
| | WASATCH | 5439 | 5440 | 4 | 4 | 5437.25 | to | 5442.75 |
| | WASATCH | 5480 | 5481 | 4 | 4 | 5476.75 | to | 5482.25 |
| | WASATCH | | | | | | | |
| | WASATCH | | | | | | | |
| # of Perfs/stage | | | | 24 | CBP DEPTH | 5,188 | | |
| Totals | | | | | 72 | | | |

| NBU 1022-13K3S | | | | | | |
|----------------|----------|-------|--|------|----------|-------|
| MD | TVD | INC | | MD | TVD | INC |
| 0 | 0 | 0 | | 4190 | 4109.477 | 26 |
| 100 | 100 | 0.25 | | 4253 | 4166.428 | 24.63 |
| 200 | 200 | 0.25 | | 4316 | 4223.923 | 23.63 |
| 300 | 300 | 0.25 | | 4378 | 4281.162 | 21.56 |
| 400 | 400 | 0 | | 4442 | 4340.81 | 20.94 |
| 500 | 500 | 0.25 | | 4506 | 4400.757 | 20.06 |
| 600 | 600 | 0.25 | | 4569 | 4460.409 | 17.44 |
| 700 | 700 | 0 | | 4632 | 4520.594 | 16.94 |
| 800 | 800 | 0 | | 4695 | 4580.989 | 16.13 |
| 900 | 900 | 0 | | 4759 | 4642.723 | 14.44 |
| 1000 | 1000 | 0 | | 4822 | 4703.859 | 13.5 |
| 1100 | 1100 | 0.25 | | 4885 | 4765.228 | 12.63 |
| 1200 | 1200 | 0 | | 4948 | 4826.814 | 11.69 |
| 1300 | 1299.99 | 1 | | 5011 | 4888.674 | 10.13 |
| 1400 | 1399.97 | 1.25 | | 5074 | 4950.889 | 7.94 |
| 1500 | 1499.95 | 1.25 | | 5138 | 5014.384 | 6.44 |
| 1600 | 1599.93 | 1 | | 5201 | 5077.091 | 4.56 |
| 1700 | 1699.92 | 0.5 | | 5264 | 5139.954 | 2.94 |
| 1800 | 1799.92 | 0.5 | | 5327 | 5202.875 | 2.81 |
| 1900 | 1899.91 | 0.5 | | 5390 | 5265.824 | 1.75 |
| 2165 | 2164.895 | 0.78 | | 5453 | 5328.803 | 1.19 |
| 2229 | 2228.876 | 1.97 | | 5516 | 5391.781 | 1.31 |
| 2292 | 2291.811 | 3.19 | | 5579 | 5454.753 | 1.44 |
| 2355 | 2354.672 | 4.38 | | 5642 | 5517.717 | 1.75 |
| 2418 | 2417.431 | 5.63 | | 5705 | 5580.67 | 1.88 |
| 2482 | 2481.029 | 7.19 | | 5768 | 5643.622 | 1.81 |
| 2545 | 2543.459 | 8.25 | | 5831 | 5706.576 | 1.75 |
| 2608 | 2605.71 | 9.44 | | 5894 | 5769.529 | 1.88 |
| 2671 | 2667.766 | 10.44 | | 5957 | 5832.49 | 1.38 |
| 2735 | 2730.611 | 11.38 | | 6020 | 5895.462 | 1.38 |
| 2798 | 2792.333 | 11.75 | | 6083 | 5958.437 | 1.25 |
| 2861 | 2854.045 | 11.5 | | 6146 | 6021.411 | 1.44 |
| 2924 | 2915.778 | 11.56 | | 6209 | 6084.397 | 0.5 |
| 2987 | 2977.494 | 11.63 | | 6272 | 6147.396 | 0.44 |
| 3051 | 3040.084 | 12.5 | | 6335 | 6210.358 | 2.56 |
| 3114 | 3101.539 | 12.94 | | 6398 | 6273.291 | 2.75 |
| 3177 | 3162.748 | 14.44 | | 6461 | 6336.228 | 2.38 |
| 3241 | 3224.501 | 16 | | 6524 | 6399.179 | 2.06 |
| 3304 | 3285.003 | 16.38 | | 6587 | 6462.146 | 1.69 |
| 3368 | 3346.455 | 16.06 | | 6650 | 6525.117 | 1.13 |
| 3430 | 3406.057 | 15.93 | | 6713 | 6588.102 | 0.94 |
| 3494 | 3467.342 | 17.56 | | 6776 | 6651.1 | 1 |
| 3557 | 3526.995 | 19.94 | | 6839 | 6714.06 | 2.25 |
| 3620 | 3586.626 | 17.69 | | 6902 | 6777.98 | 2.25 |
| 3683 | 3646.554 | 18.25 | | 6965 | 6841.91 | 2 |
| 3746 | 3705.83 | 21.31 | | 7028 | 6905.87 | 1.25 |
| 3810 | 3764.861 | 24.13 | | 7091 | 6970.86 | 0.25 |
| 3873 | 3822.307 | 24.38 | | 7154 | 7035.86 | 0 |
| 3936 | 3879.418 | 25.56 | | 7217 | 7100.86 | 0.75 |
| 3999 | 3936.461 | 24.69 | | 7280 | 7165.84 | 1.75 |
| 4063 | 3994.74 | 24.13 | | 7343 | 7230.8 | 1.5 |
| 4126 | 4051.878 | 25.69 | | 7406 | 7295.76 | 1.75 |

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 1022-13K3S

9. API NUMBER:
4304739481

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. DATE SPUNDED: **10/27/2007**

15. DATE T.D. REACHED: **2/4/2008**

16. DATE COMPLETED: **5/18/2012**

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5287 GL

18. TOTAL DEPTH: MD **8,370**

TVD **8,244**

19. PLUG BACK T.D.: MD **8,325**

TVD **8,200**

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)

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 1610 FSL 1343 FWL S13,T10S,R22E**

AT TOP PRODUCING INTERVAL REPORTED BELOW: **NESE 1363 FSL 2045 FWL S13,T10S,R22E**

AT TOTAL DEPTH: **NESW 1365 FSL 2064 FWL S13,T10S,R22E**

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 | 36# | 0 | 2,140 | | 975 | | | |
| 7 7/8" | 4 1/2" I-80 | 11.6# | 0 | 8,370 | | 1,465 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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" | 7,432 | | | | | | | |

26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) | INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|----------------|----------|-------------|-----------|--------------|-------------------------|------|-----------|----------------------------------------------------------------------------|
| (A) WASATCH | 5,238 | 6,170 | | | 5,238 6,170 | 0.36 | 72 | 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"/> |

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

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|---------------------------------------------------------|
| 5238-6170 | PUMP 2436 BBLs SLICK H2O & 69,905 LBS 30/50 OTTAWA SAND |
| | 3 STAGES |

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

GEOLOGIC REPORT

CORE ANALYSIS

DST REPORT

OTHER: _____

DIRECTIONAL SURVEY

30. WELL STATUS:
PROD

RECEIVED
AUG 07 2012

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

| | | | | | | | | | | |
|------------------------------------------|---------------------------|-------------------------------|-------------|----------------------------|---------------|---------------------------|------------------------|--------------------------|--------------------------|---------------------------------|
| DATE FIRST PRODUCED: 5/18/2012 | | TEST DATE: 7/4/2012 | | HOURS TESTED: 24 | | TEST PRODUCTION RATES: → | OIL - BBL: 0 | GAS - MCF: 486 | WATER - BBL: 0 | PROD. METHOD: FLOWING |
| CHOKE SIZE: 48/64 | TBG. PRESS. 153 | CSG. PRESS. 729 | API GRAVITY | BTU - GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL: 0 | GAS - MCF: 486 | 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 | 1,036 |
| | | | | BIRD'S NEST | 1,281 |
| | | | | MAHOGANY | 1,753 |
| | | | | WASATCH | 4,063 |
| | | | | MESAVERDE | 6,254 |

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 5238-6170; existing perforations: Mesaverde 6722-8230'. The Iso plug separating new perforations from old perforations was drilled out on 6/21/12. 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 Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-13K3S black

Spud Date: 10/27/2007

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: 6/20/2012

End Date: 6/22/2012

Active Datum: RKB @5,306.01ft (above Mean Sea Level)

UWI: NBU 1022-13K3S

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4/26/2012 | 9:00 - 16:00 | 7.00 | ABANDZ | 31 | I | P | | MIRU, NDWH, NUBOP, UNLAND TBG, R/U SCANTECH, POOH SCAN L/D ON FLOAT 233 JTS 2 3/8" L-80 TBG, ALL 233 JTS YELLOW BAND, SWFN HSM - JSA |
| 4/27/2012 | 7:00 - 7:15 | 0.25 | ABANDZ | 48 | | P | | MIRU, J-W WIRELINE, RIH W/ GAUGE RING & TRASH BASKET, NO TIGHT SPOTS, CAME BACK CLEAN, RIH W/ HAL 10K CBP SET @ 6,232', R/D J-W, NDBOP, NU TEST FLANGE, RDMO |
| | 7:15 - 9:00 | 1.75 | ABANDZ | 34 | I | P | | |
| 5/1/2012 | 10:00 - 11:25 | 1.42 | ABANDZ | 33 | C | P | | MIRU B & C QUICK TEST PRESS TEST FRAC VALVES & CASING TO 1,000 PSI FOR 15 MIN LOST 7 PSI, 3,500 PSI FOR 15 MIN, LOST 27 PSI, 6,200 PSI FOR 30 MIN LOST 49 PSI, RDMO B & C |

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-13K3S black Spud Date: 10/27/2007
 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: 6/20/2012 End Date: 6/22/2012
 Active Datum: RKB @5,306.01ft (above Mean Sea Level) UWI: NBU 1022-13K3S

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5/8/2012 | 8:00 - 18:00 | 10.00 | COMP | 36 | B | P | | <p>PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER DESIGN. POOH. X-OVER FOR FRAC CREW.</p> <p>FRAC STG 1)WHP 200 PSI, BRK 2723 PSI @ 4.6 BPM. ISIP 1687 PSI, FG .71. CALC PERFS OPEN @ 49.9 BPM @ 4322 PSI = 79% HOLES OPEN. (19/24 HOLES OPEN) ISIP 2391 PSI, FG .82, NPI 704 PSI. MP 5237 PSI, MR 50 BPM, AP 4454 PSI, AR 48.4 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>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 @ 5765' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 2)WHP 1206 PSI, BRK 3667 PSI @ 4.6 BPM. ISIP 2037 PSI, FG .74. CALC PERFS OPEN @ 49.9 BPM @ 4028 PSI = 96% HOLES OPEN. (23/24 HOLES OPEN) ISIP 1988 PSI, FG .78, NPI -49 PSI. MP 4517 PSI, MR 50.4 BPM, AP 4132 PSI, AR 49 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5511' P/U PERF AS PER DESIGN. POOH. X-OVER FOR FRAC CREW.</p> <p>FRAC STG 3)WHP 315 PSI, BRK 1662 PSI @ 4.6 BPM. ISIP 1104 PSI, FG .64. CALC PERFS OPEN @ 50.1 BPM @ 3967 PSI = 71% HOLES OPEN. (17/24 HOLES OPEN) ISIP 1683 PSI, FG .75, NPI 579 PSI. MP 4280 PSI, MR 50.3 BPM, AP 3325 PSI, AR 47.5 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PU 4 1/2 8K HAL CBP. RIH SET KILL PLUG @ 5188', POOH, SWI, DONE FRACING THIS WELL.</p> <p>TOTAL SAND = 69,905 LBS TOTAL CLFL =2436 BBL HSM-JSA</p> |
| 5/17/2012 | 7:00 - 7:15 | 0.25 | DRLOUT | 48 | | P | | |

**US ROCKIES REGION
Operation Summary Report**

| | | | |
|------------------------------------------------------|--|-----------------------|-------------------------------------------------------------------------------|
| Well: NBU 1022-13K3S black | | Spud Date: 10/27/2007 | |
| 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: 6/20/2012 | End Date: 6/22/2012 |
| Active Datum: RKB @5,306.01ft (above Mean Sea Level) | | UWI: NBU 1022-13K3S | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 7:15 - 15:00 | 7.75 | DRLOUT | 44 | C | P | | <p>MIRU, NDWH, NUBOP, P/U 3 7/8" BIT PUMP OPEN BIT SUB XN SN, RIH W/ 2 3/8" L-80 OFF FLOAT TAG FILL @ 5,142', R/U PWR SWVEL, BRK CIRC W/ RIG PUMP, PRESS TEST BOP TO 3,000 PSI LOST 0 PSI IN 15 MIN.</p> <p>C/O 30' SAND TAG PLUG #1 @ 5,172, DRL HAL 8K CBP IN 6 MIN, 50 PSI INC, FCP 100 PSI, RIH TAG FILL @ 5,409'.</p> <p>C/O 110' SAND TAG PLUG #2 @ 5,519', DRL HAL 8K CBP IN 4 MIN, 0 PSI INC, FCP 50 PSI, RIH TAG FILL @ 5,724'.</p> <p>C/O 45' SAND TAG PLUG #3 @ 5,769', DRL HAL 8K CBP IN 4 MIN, 0 PSI INC, FCP 50 PSI, RIH TO 6,194' (24' BELOW BTM PERF), R/U WEATHERFORD FOAM UNIT CIRC WELL CLEAN.</p> <p>R/D PWR SWVEL, POOH L/D 19 JTS, LAND TBG W/ 176 JTS @ 5,594.19', R/D FLOOR & TBG EQUIP, NDBOP, NUWH, DROP BALL PUMP BIT SUB OPEN @ 1,800 PSI, R/D FOAM UNIT, TURN OVER TO FBC SICP 800 PSI, SITP 450 PSI, RDMO.</p> <p>KB-19' HANGER-.83' 176 JTS L-80 TBG-5,572.16' POBS-2.20' EOT @ 5,594.19'</p> <p>57 JTS (1,809.75') 2 3/8" L-80 YELLOW BAND SENT TO SAMUELS YARD</p> <p>TWTR=2,566 BBLS TWR=230 BBLS TWLTR=2,336 BBLS</p> |
| | 10:15 - 10:45 | 0.50 | DRLOUT | 50 | | | | WELL TURNED TO SALES @ 10:15 HR ON 5/18/2012, 1000 MCFD, 960 BWPD, FCP 1100#, FTP 400#, 20/64". |
| 6/20/2012 | 12:00 - 13:00 | 1.00 | MIRU | 30 | A | P | | MIRU |
| | 13:00 - 16:00 | 3.00 | DRLOUT | 31 | I | P | | 500# SITP & SICP, CNTRL TBG W/ 20 BBLS, N/D WH, N/U BOPS, UNLAND TBG, POOH W/ 176 JTS 2 3/8" L-80 TBG, L/D POPBS, |
| | 16:00 - 17:00 | 1.00 | DRLOUT | 31 | I | P | | P/U 3 7/8" SBB, POBS, 1.875" XN NIPPLE, RIH W/ 136 JTS 2 3/8" L-80 TBG, EOT @ 4310', CSG TO SALES, SHUT TBG IN. SDFN. |
| 6/21/2012 | 7:00 - 7:30 | 0.50 | DRLOUT | 48 | | P | | HSM, PWR SWVL CONNECTIONS. FCP = 200#, SITP = 0#. |

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-13K3S black

Spud Date: 10/27/2007

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: 6/20/2012

End Date: 6/22/2012

Active Datum: RKB @5,306.01ft (above Mean Sea Level)

UWI: NBU 1022-13K3S

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (ft) | Operation |
|-----------|----------------|---------------|--------|------|----------|-----|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 7:30 - 13:00 | 5.50 | DRLOUT | 44 | C | P | | EOT @ 4310', RIH W/ 59 JTS 2 3/8" L-80 TBG TAG @ 6200', R/U PWR SWWL, WFT FOAM UNIT, BRK CIRC CONV, 30 MIN, C/O 20' SAND D/O CBP @ 6220', XX MIN, CIRC CLEAN, RIH TAG @ 8230', C/O 73' FILL TO 8303', TAG OLD POBS, CIRC CLEAN. L/D 28 JTS ON FLOAT, POOH STD BACK 234 JTS, L/D POBS & BIT |
| | 13:00 - 13:00 | 0.00 | DRLOUT | 31 | I | P | | L/D 28 JTS ON FLOAT, POOH STD BACK 234 JTS, L/D POBS & BIT |
| | 13:00 - 13:00 | 0.00 | DRLOUT | 31 | I | P | | P/U NC W/ 1.875" XN NIPPLE, RIH W/ 100 JTS 2 3/8" L-80 TBG, EOT @ 3170' |
| 6/22/2012 | 7:00 - 7:30 | 0.50 | DRLOUT | 48 | | P | | CSG TO SALES, SHUT TBG IN, 5PM SDFN HSM, RIGGING DOWN RIG. 125# FCP, 500# SITP. |
| | 7:30 - 10:00 | 2.50 | DRLOUT | 31 | I | P | | EOT @ 3170', CNTRL TBG W/ 20 BBLS, RIH W/ 134 JTS 2 3/8" L-80 TBG, LAND @ 7431.52', W/ 234 JTS, BROACH TBG W/ 1.90" TBG BROACH, N/D BOPS, N/U WH, RDMO. |
| | | | | | | | | KB = 19' HANGER = .83' 234 JTS 2 3/8" L-80 TBG = 7410.64' NC W/ 1.875 XN NIPPLE = 1.05' |
| | | | | | | | | 7431.52' |

1 General

1.1 Customer Information

| | |
|----------------|-------------------|
| Company | US ROCKIES REGION |
| Representative | |
| Address | |

1.2 Well/Wellbore Information

| | | | |
|--------------|----------------------|---------------|----------------------------------------|
| Well | NBU 1022-13K3S black | Wellbore No. | OH |
| Well Name | NBU 1022-13K3S | Wellbore Name | NBU 1022-13K3S |
| Report No. | 1 | Report Date | 4/25/2012 |
| Project | UTAH-UINTAH | Site | WHITE RIVER PAD |
| Rig Name/No. | | Event | RECOMPL/RESERVEADD |
| Start Date | 6/20/2012 | End Date | 6/22/2012 |
| Spud Date | 10/27/2007 | Active Datum | RKB @5,306.01ft (above Mean Sea Level) |
| UWI | NBU 1022-13K3S | | |

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 | 5,238.0 (ft)-6,170.0 (ft) | Start Date/Time | 4/25/2012 12:00AM |
| No. of Intervals | 10 | End Date/Time | 4/25/2012 12:00AM |
| Total Shots | 72 | Net Perforation Interval | 18.00 (ft) |
| Avg Shot Density | 4.00 (shot/ft) | Final Surface Pressure | |
| | | Final Press Date | |

2 Intervals

2.1 Perforated Interval

| Date | Formation/Reservoir | CCL@ (ft) | CCL-T S (ft) | MD Top (ft) | MD Base (ft) | 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/ | | | 5,238.0 | 5,239.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO | N |

1 General

1.1 Customer Information

| | |
|----------------|-------------------|
| Company | US ROCKIES REGION |
| Representative | |
| Address | |

1.2 Well/Wellbore Information

| | | | |
|--------------|----------------------|---------------|----------------------------------------|
| Well | NBU 1022-13K3S black | Wellbore No. | OH |
| Well Name | NBU 1022-13K3S | Wellbore Name | NBU 1022-13K3S |
| Report No. | 1 | Report Date | 4/25/2012 |
| Project | UTAH-UJINTAH | Site | WHITE RIVER PAD |
| Rig Name/No. | | Event | RECOMPL/RESERVEADD |
| Start Date | 6/20/2012 | End Date | 6/22/2012 |
| Spud Date | 10/27/2007 | Active Datum | RKB @5,306.01ft (above Mean Sea Level) |
| UWI | NBU 1022-13K3S | | |

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 | 5,238.0 (ft)-6,170.0 (ft) | Start Date/Time | 4/25/2012 12:00AM |
| No. of Intervals | 10 | End Date/Time | 4/25/2012 12:00AM |
| Total Shots | 72 | Net Perforation Interval | 18.00 (ft) |
| Avg Shot Density | 4.00 (shot/ft) | Final Surface Pressure | |
| | | Final Press Date | |

2 Intervals

2.1 Perforated Interval

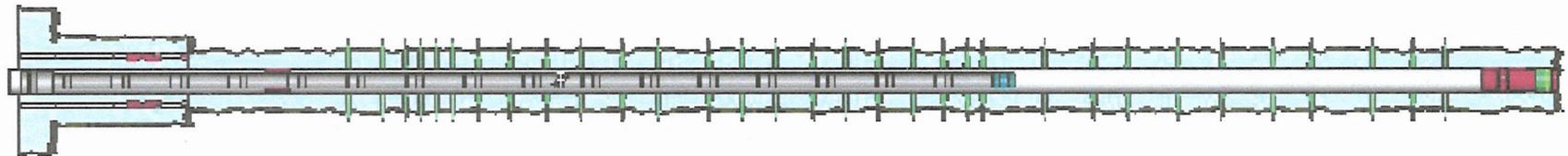
| Date | Formation/Reservoir | CCL@ (ft) | CCL-T S (ft) | MD Top (ft) | MD Base (ft) | Shot Density (shot/ft) | Misfires/Add. Shot | Diameter (in) | Carr Type /Stage No | Carr Size (in) | Phasing (°) | Charge Desc /Charge Manufacturer | Charge Weight (gram) | Reason | Misrun |
|-------------------|---------------------|-----------|--------------|-------------|--------------|------------------------|--------------------|---------------|---------------------|----------------|-------------|----------------------------------|----------------------|----------------|--------|
| 4/25/2012 12:00AM | WASATCH/ | | | 5,238.0 | 5,239.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |

2.1 Perforated Interval (Continued)

| Date | Formation/ Reservoir | CCL@ (ft) | CCL-T S (ft) | MD Top (ft) | MD Base (ft) | 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/ | | | 5,319.0 | 5,320.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 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 | |
| 4/25/2012 12:00AM | WASATCH/ | | | 5,362.0 | 5,363.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 4/25/2012 12:00AM | WASATCH/ | | | 5,439.0 | 5,440.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 4/25/2012 12:00AM | WASATCH/ | | | 5,480.0 | 5,481.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 4/25/2012 12:00AM | WASATCH/ | | | 5,620.0 | 5,621.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 4/25/2012 12:00AM | WASATCH/ | | | 5,730.0 | 5,735.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 4/25/2012 12:00AM | WASATCH/ | | | 6,041.0 | 6,043.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 4/25/2012 12:00AM | WASATCH/ | | | 6,166.0 | 6,170.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 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 |
| 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 | 5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES |
| PHONE NUMBER: 720 929-6100 | 8. WELL NAME and NUMBER: NBU 1022-13K3S |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1343 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S | 9. API NUMBER: 43047394810000 |
| | 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: 3/19/2015 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text" value="RADIO SITE"/> |

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

Kerr-McGee Oil & Gas Onshore, LP has installed a twenty foot radio tower structure on the White River well pad, which is located at 39 deg 56 46.61 N, 109 deg 23 32.62 W and is known as the 16 Padwell site. Please see the attached summary and diagram for details. Thank you.

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

FOR RECORD ONLY

March 23, 2015

| | | |
|---------------------------------------------|-------------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Kristina Geno | PHONE NUMBER 720 929-6824 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 3/19/2015 | |

Kerr-McGee Oil & Gas Onshore, LP has installed a twenty foot radio tower structure on the White River well pad, which is located at 39 deg 56 46.61 N, 109 deg 23 32.62 W and is known as the 16 Padwell site.

The equipment housed on the tower is one 5.2 Ghz radio.

The 16 Padwell radio site connects only with the 1022-10C tower, located at 39 deg 58 12.87 N, 109 deg 25 41.25W.

A list of the wells located on the White River Pad are as follows:

NBU 38N2 - PLUGGED and ABANDONED

NBU 1022-13K3S

NBU 1022-13J4S

NBU 1022-13K4S

NBU 1022-13N2S

NBU 1022-13O1AS

NBU 1022-13O1CS

NBU 1022-13O2S

NBU 1022-13N1S

NBU 1022-13O4S

NBU 1022-13K3T

NBU 1022-13L4S

NBU 1022-13M1S

NBU 1022-13M2AS

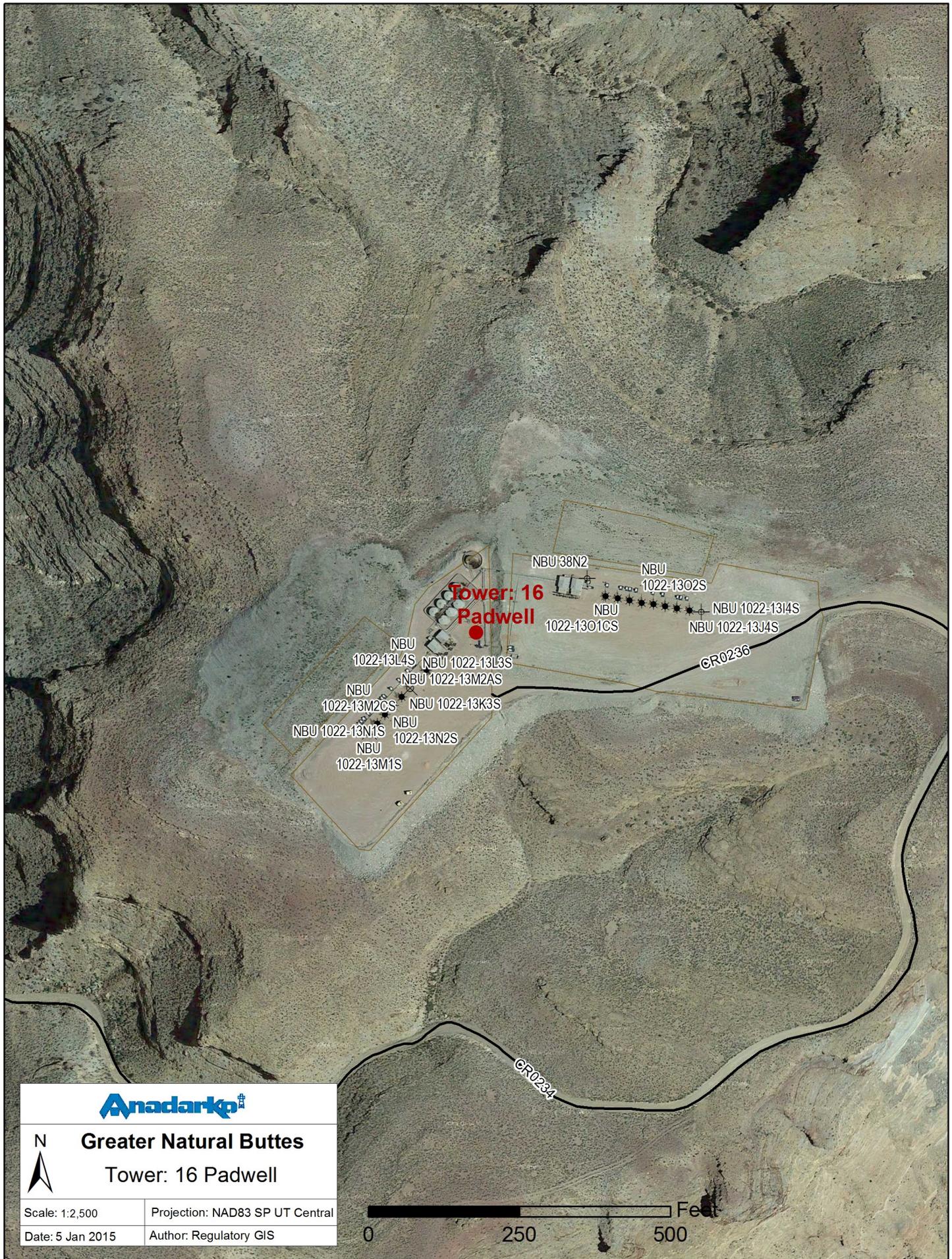
NBU 1022-13M2CS

NBU 1022-13L3S

NBU 1022-13I3S

NBU 1022-13I4S

Attached is a location diagram of the 16 Padwell tower site as it is currently located. Thank you.



| 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 | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES |
| 1. TYPE OF WELL Gas Well | | 8. WELL NAME and NUMBER: NBU 1022-13K3S |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 9. API NUMBER: 43047394810000 |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6456 | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1343 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S | | COUNTY: UINTAH |
| | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/29/2016 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER | |
| | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The NBU 1022-13K3S well was returned to production on 11/29/2016. | | |
| | | Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 07, 2016 |
| NAME (PLEASE PRINT) Candice Barber | PHONE NUMBER 435 781-9749 | TITLE HSE Representative |
| SIGNATURE N/A | | DATE 12/2/2016 |