

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 1022-1304S	
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: 1750'FSL, 1686'FWL AT PROPOSED PRODUCING ZONE: 460'FSL, 1925'FEL SW SE <i>637456 X 4422846 Y 39.946475 -109.391018</i> <i>637972 X 4422464 Y 39.942954 -109.385059</i>			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) 1686'	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: 8,110	20. BOND DESCRIPTION: RL 1000-137 22013542		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5293'GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

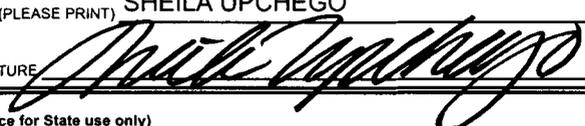
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	32.3#	H-40	2,100	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	11.6#	I-80	8,110	1310 SX 50/50 POZ	1.31 YIELD	14.3 PPG

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  DATE 7/31/2007

(This space for State use only)

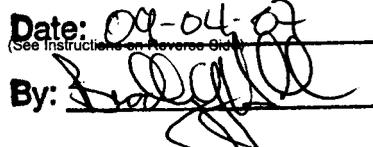
API NUMBER ASSIGNED: 43-047-39480

Approved by the
Utah Division of
Oil, Gas and Mining
APPROVAL:

RECEIVED
AUG 06 2007

(11/2001)

Date: 08-04-07
(See Instructions on Reverse Side)

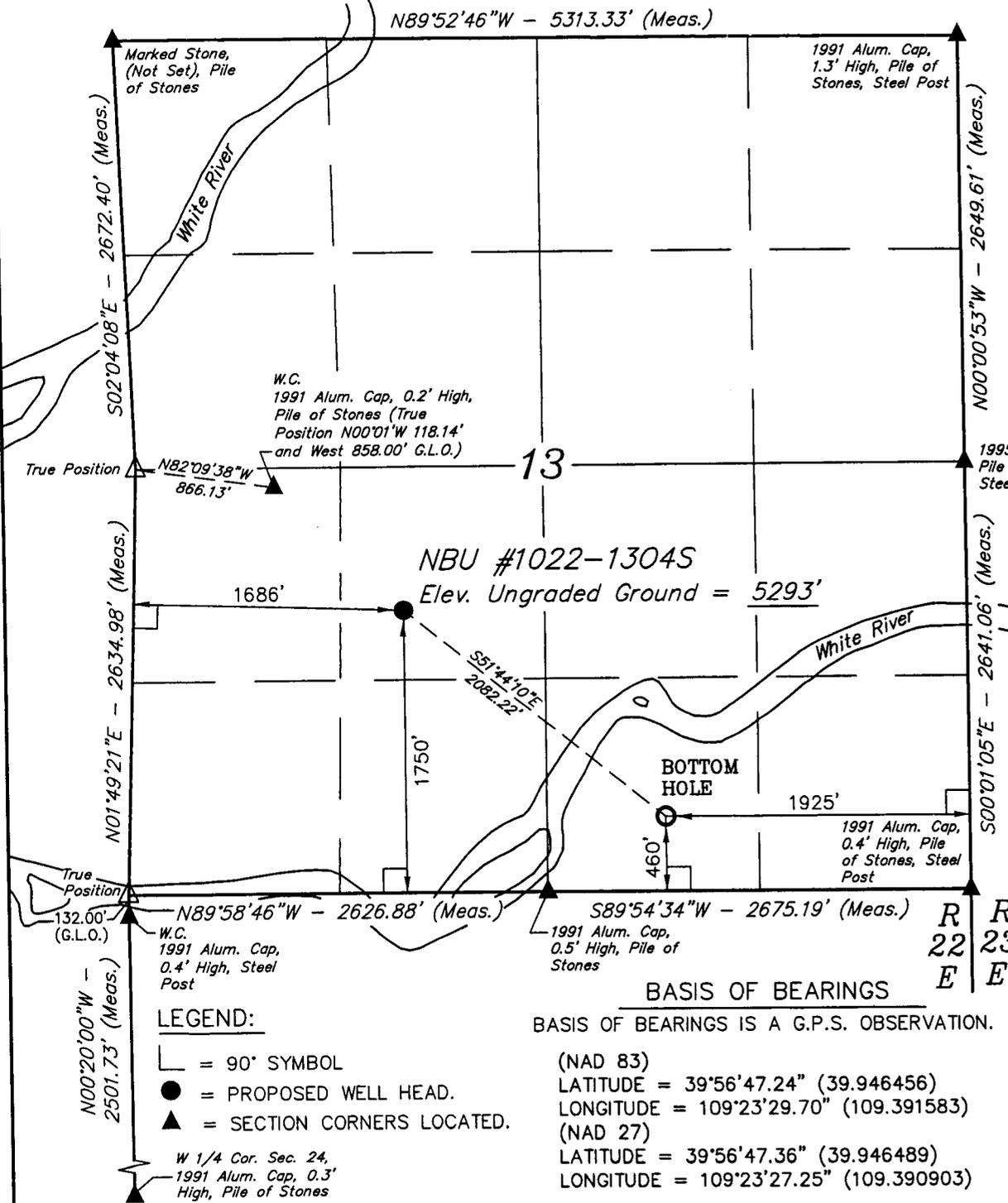
By: 

DIV. OF OIL, GAS & MINING

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

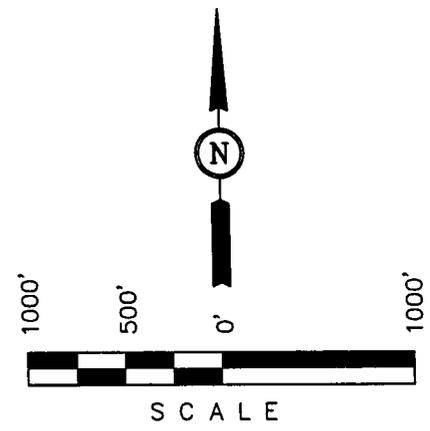
Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-1304S, located as shown in the NE 1/4 SW 1/4 of Section 13, T10S, R22E, S.L.B.&M. Uintah County, Utah.



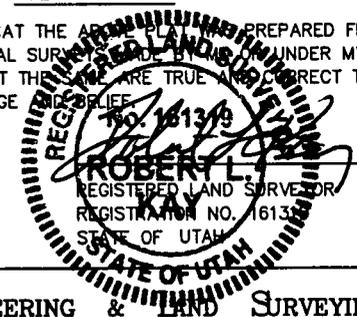
BASIS OF ELEVATION

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



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE SURVEYING WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYING UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



BASIS OF BEARINGS

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

(NAD 83)
 LATITUDE = 39°56'47.24" (39.946456)
 LONGITUDE = 109°23'29.70" (109.391583)
 (NAD 27)
 LATITUDE = 39°56'47.36" (39.946489)
 LONGITUDE = 109°23'27.25" (109.390903)

LEGEND:

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

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

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

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

**NBU 1022-13O4S
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	906'
Top of Birds Nest Water	1225'
Mahogany	1588'
Wasatch	3948'
Mesaverde	6166'
MVU2	6998'
MVL1	7571'
TD	8110'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	906'
	Top of Birds Nest Water	1225'
	Mahogany	1588'
Gas	Wasatch	3948'
	Mesaverde	6166'
Gas	MVU2	6998'
Gas	MVL1	7571'
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 8110' TD, approximately equals 5028 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3244 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.

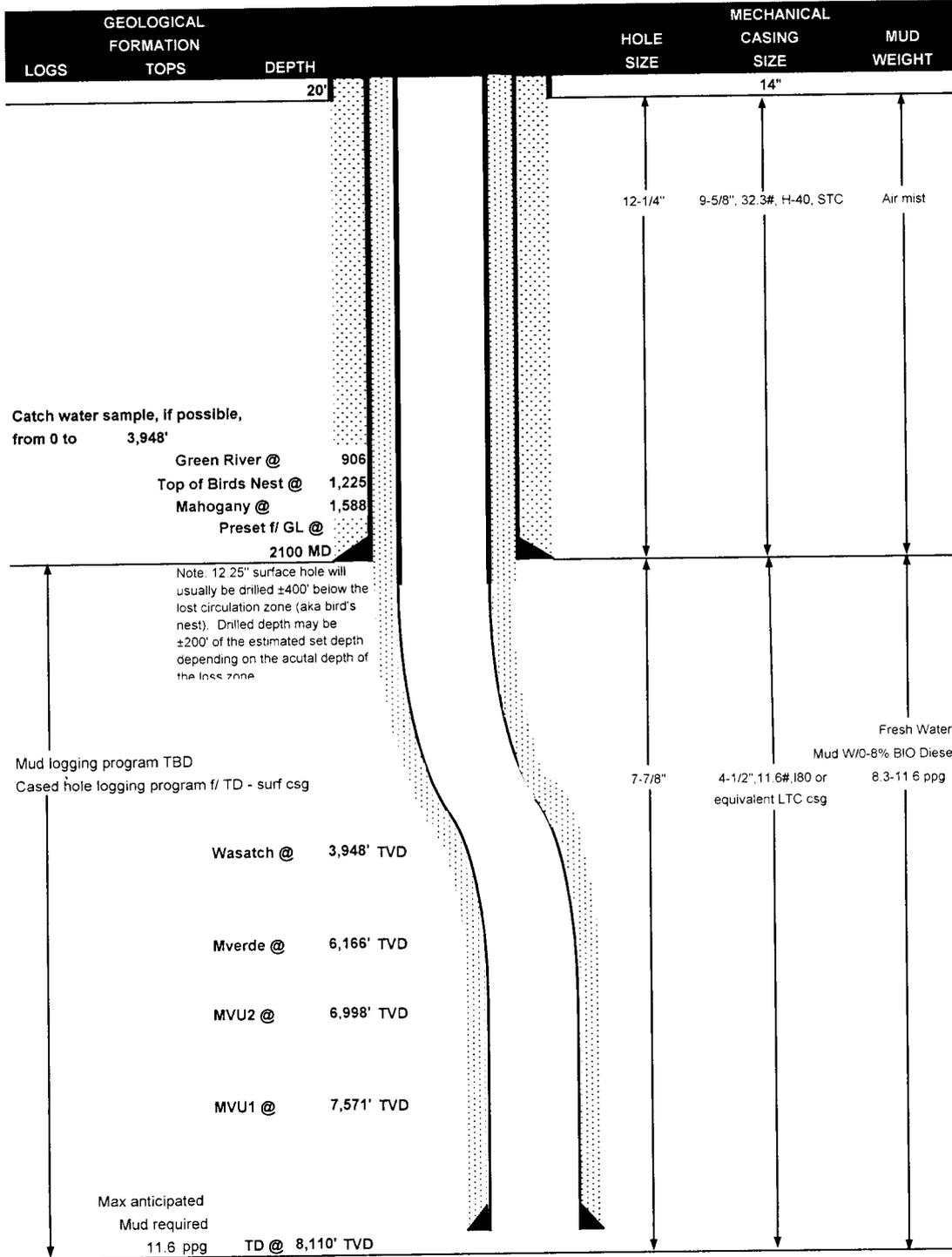
10. **Other Information:**

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE August 1, 2007
 WELL NAME NBU 1022-1304S TD 8,110' TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,293' GL KB 5,308'
 SURFACE LOCATION NE/SW SEC. 13, T10S, R22E 1750'FSL, 1686'FWL
 Latitude: 39.946456 Longitude: 109.391583
 BTM HOLE LOCATION SE/SWSE SEC. 13, T10S, R22E 460'FSL, 1925'FEL
 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	0.73*****	1.39	4.28
PRODUCTION	4-1/2"	0 to 8110	11.60	I-80	LTC	7780	6350	201000
						2.50	1.30	2.45

- 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 3108 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 Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized 65/35 Poz + 6% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	5,660'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	620	60%	11.00	3.38
	TAIL	2,450'	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.

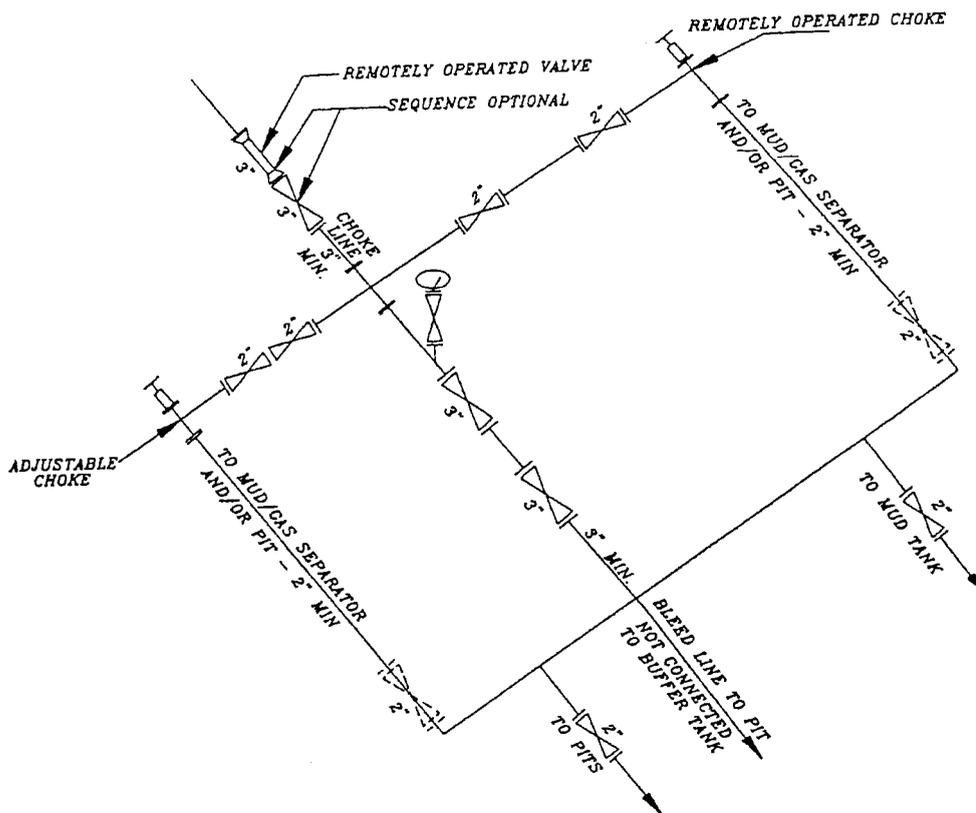
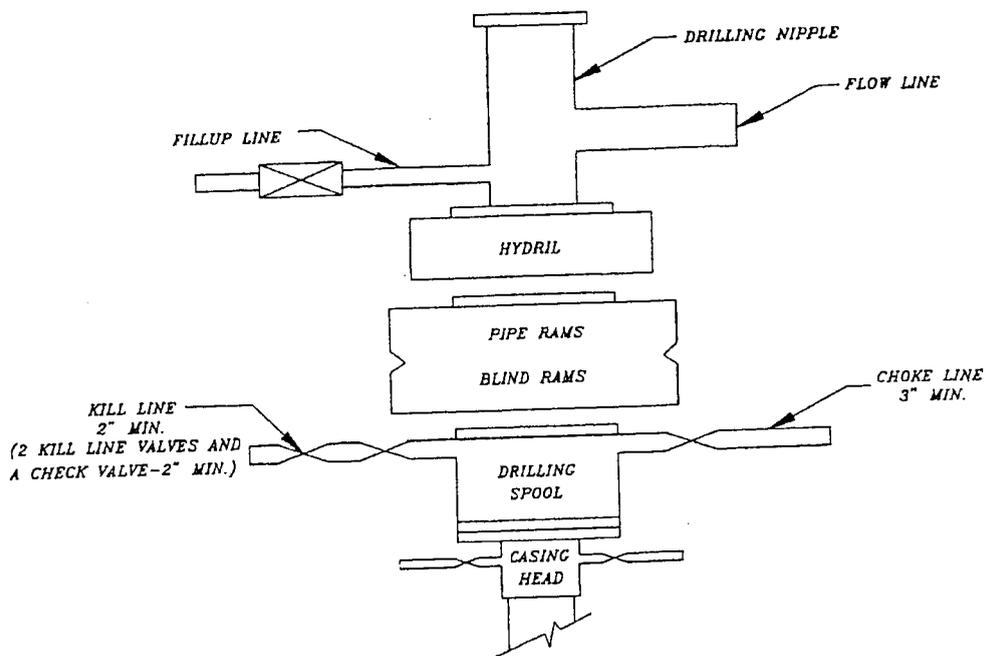
DRILLING ENGINEER: _____
Brad Laney

DATE: _____

DRILLING SUPERINTENDENT: _____
Randy Bayne

DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 1022-13O4S
NE/SW SEC. 13, T10S, R22E
Uintah County, UT
UTSTUO-08512-ST**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

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

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

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

2. Planned Access Roads:

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

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

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

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

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

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

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain

fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

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

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

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

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

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

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. Ancillary Facilities:

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

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

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

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

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

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

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

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

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

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

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

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

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

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

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

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

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

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

7/31/2007

Date



Weatherford[™]

Drilling Services

Proposal



ANADARKO - KERR McGEE

NBU#1022-1304S

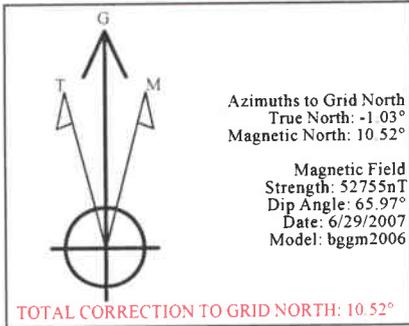
UINTAH COUNTY, UTAH

WELL FILE: PLAN 3

DATE: JULY 12, 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



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	126.07	0.00	0.00	0.00	0.00	0.00	0.00	
2	2160.00	0.00	126.07	2160.00	0.00	0.00	0.00	0.00	0.00	
3	3660.00	30.00	126.07	3592.39	-225.98	310.23	2.00	126.07	383.81	
4	6104.48	30.00	126.07	5709.38	-945.62	1298.15	0.00	0.00	1606.05	
5	8104.48	0.00	126.07	7619.24	-1246.93	1711.79	1.50	180.00	2117.80	
6	8595.24	0.00	126.07	8110.00	-1246.93	1711.79	0.00	0.00	2117.80	PBHL

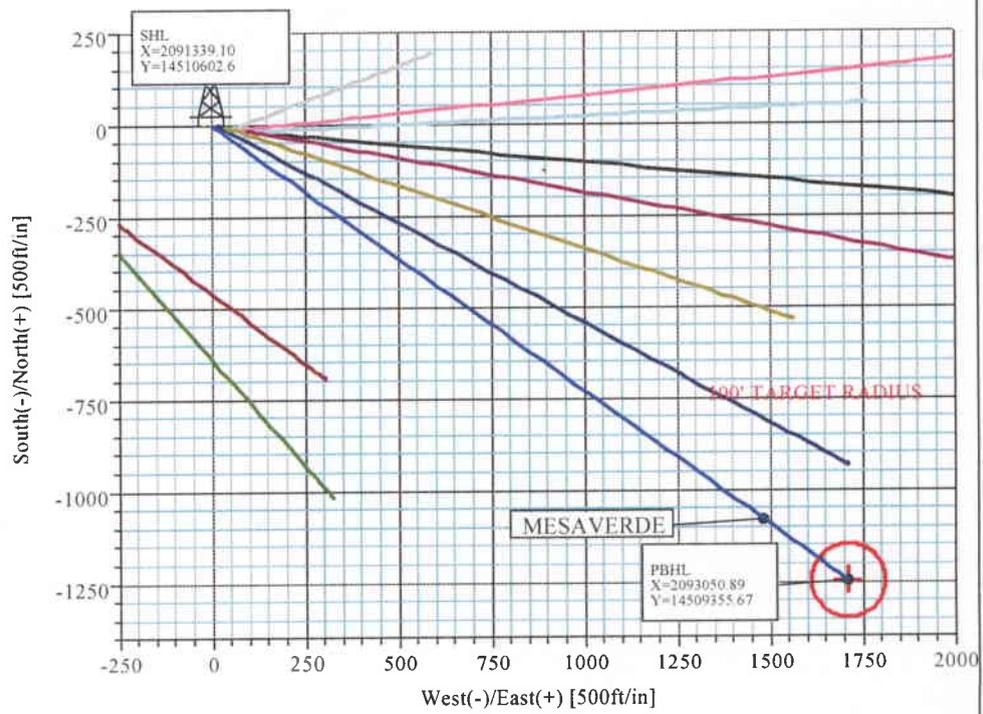
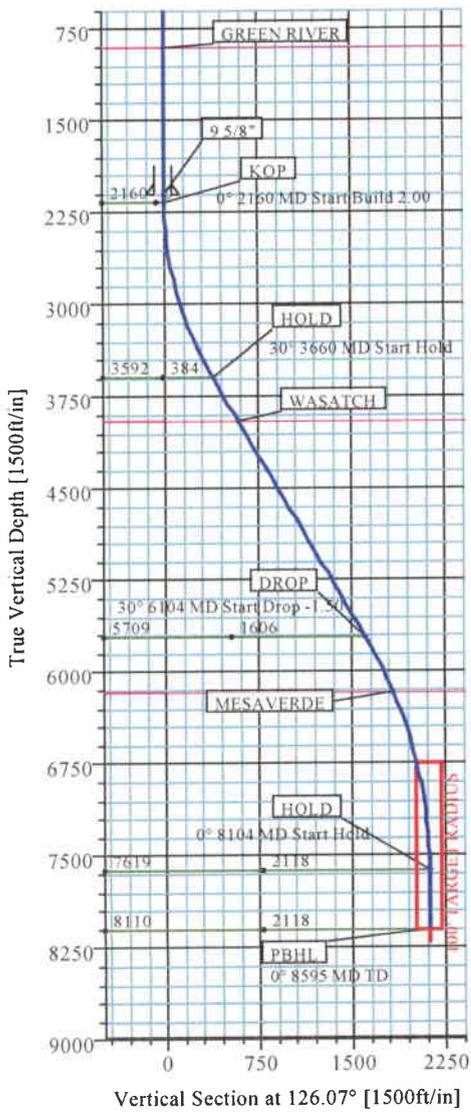
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
NBU 1022-1304S	0.00	0.00	14510602.60	2091339.10	39°56'47.142N	109°23'28.291W	N/A

FORMATION TOP DETAILS			
No	TVDPath	MDPath	Formation
1	906.00	906.00	GREEN RIVER
2	3948.00	4070.62	WASATCH
3	6166.00	6613.68	MESAVERDE

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

CASING DETAILS				
No	TVD	MD	Name	Size
1	2100.00	2100.00	9 5/8"	9.62

KB = 5308'
GR = 5293'



Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee		Date: 7/13/2007		Time: 08:20:17		Page: 1	
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)		Co-ordinate(NE) Reference: Site: NBU #1022-13O4S, Grid North					
Site: NBU #1022-13O4S		Vertical (TVD) Reference: SITE 5308.0					
Well: NBU 1022-13O4S		Section (VS) Reference: Well (0.00N,0.00E,126.07Azi)					
Wellpath: 1		Survey Calculation Method: Minimum Curvature				Db: Sybase	

Plan: Plan #3	Date Composed: 7/11/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	
Map System: Universal Transverse Mercator (USfeet)	Map Zone: UTM Zone 12, North 114W to 108W
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2006

Site: NBU #1022-13O4S		
Site Position:	Northing: 14510602.60 ft	Latitude: 39 56 47.142 N
From: Map	Easting: 2091339.10 ft	Longitude: 109 23 28.291 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 5293.00 ft		Grid Convergence: 1.03 deg

Well: NBU 1022-13O4S		Slot Name:	
Well Position:	+N/-S 0.00 ft	Northing: 14510602.60 ft	Latitude: 39 56 47.142 N
	+E/-W 0.00 ft	Easting: 2091339.10 ft	Longitude: 109 23 28.291 W
Position Uncertainty: 0.00 ft			

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height 5308.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 6/29/2007		Above System Datum: Mean Sea Level	
Field Strength: 52755 nT		Declination: 11.55 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 65.97 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	126.07

Plan Section Information										
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	126.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2160.00	0.00	126.07	2160.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3660.00	30.00	126.07	3592.39	-225.98	310.23	2.00	2.00	0.00	126.07	
6104.48	30.00	126.07	5709.38	-945.62	1298.15	0.00	0.00	0.00	0.00	
8104.48	0.00	126.07	7619.24	-1246.93	1711.79	1.50	-1.50	0.00	180.00	
8595.24	0.00	126.07	8110.00	-1246.93	1711.79	0.00	0.00	0.00	0.00	PBHL

Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
2100.00	0.00	126.07	2100.00	0.00	0.00	0.00	0.00	14510602.60	2091339.10	9 5/8"
2160.00	0.00	126.07	2160.00	0.00	0.00	0.00	0.00	14510602.60	2091339.10	KOP
2200.00	0.80	126.07	2200.00	-0.16	0.23	0.28	2.00	14510602.44	2091339.33	
2300.00	2.80	126.07	2299.94	-2.01	2.76	3.42	2.00	14510600.59	2091341.86	
2400.00	4.80	126.07	2399.72	-5.92	8.12	10.05	2.00	14510596.68	2091347.22	
2500.00	6.80	126.07	2499.20	-11.87	16.29	20.15	2.00	14510590.73	2091355.39	
2600.00	8.80	126.07	2598.27	-19.86	27.26	33.72	2.00	14510582.74	2091366.36	
2700.00	10.80	126.07	2696.81	-29.88	41.02	50.74	2.00	14510572.72	2091380.12	
2800.00	12.80	126.07	2794.69	-41.92	57.54	71.19	2.00	14510560.68	2091396.64	
2900.00	14.80	126.07	2891.80	-55.96	76.82	95.04	2.00	14510546.64	2091415.92	
3000.00	16.80	126.07	2988.02	-71.99	98.83	122.27	2.00	14510530.61	2091437.93	
3100.00	18.80	126.07	3083.22	-89.99	123.54	152.84	2.00	14510512.61	2091462.64	
3200.00	20.80	126.07	3177.31	-109.93	150.92	186.71	2.00	14510492.67	2091490.02	
3300.00	22.80	126.07	3270.15	-131.80	180.93	223.85	2.00	14510470.80	2091520.03	
3400.00	24.80	126.07	3361.64	-155.56	213.55	264.20	2.00	14510447.04	2091552.65	

Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27) Site: NBU #1022-1304S Well: NBU 1022-1304S Wellpath: 1	Date: 7/13/2007 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 08:20:17 Site: NBU #1022-1304S, Grid North SITE: 5308.0 Well (0.00N,0.00E,126.07Azi) Minimum Curvature	Page: 2 Db: Sybase
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Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
3500.00	26.80	126.07	3451.67	-181.18	248.73	307.72	2.00	14510421.42	2091587.83	
3600.00	28.80	126.07	3540.12	-208.64	286.42	354.36	2.00	14510393.96	2091625.52	
3660.00	30.00	126.07	3592.39	-225.98	310.23	383.81	2.00	14510376.62	2091649.33	HOLD
3700.00	30.00	126.07	3627.04	-237.76	326.39	403.81	0.00	14510364.84	2091665.49	
3800.00	30.00	126.07	3713.64	-267.20	366.81	453.81	0.00	14510335.40	2091705.91	
3900.00	30.00	126.07	3800.24	-296.64	407.22	503.81	0.00	14510305.96	2091746.32	
4000.00	30.00	126.07	3886.84	-326.08	447.64	553.81	0.00	14510276.52	2091786.74	
4070.62	30.00	126.07	3948.00	-346.86	476.18	589.12	0.00	14510255.74	2091815.28	WASATCH
4100.00	30.00	126.07	3973.45	-355.51	488.05	603.81	0.00	14510247.09	2091827.15	
4200.00	30.00	126.07	4060.05	-384.95	528.47	653.81	0.00	14510217.65	2091867.57	
4300.00	30.00	126.07	4146.65	-414.39	568.88	703.81	0.00	14510188.21	2091907.98	
4400.00	30.00	126.07	4233.25	-443.83	609.30	753.81	0.00	14510158.77	2091948.40	
4500.00	30.00	126.07	4319.86	-473.27	649.71	803.81	0.00	14510129.33	2091988.81	
4600.00	30.00	126.07	4406.46	-502.71	690.12	853.81	0.00	14510099.89	2092029.22	
4700.00	30.00	126.07	4493.06	-532.15	730.54	903.81	0.00	14510070.45	2092069.64	
4800.00	30.00	126.07	4579.66	-561.59	770.95	953.81	0.00	14510041.01	2092110.05	
4900.00	30.00	126.07	4666.27	-591.03	811.37	1003.81	0.00	14510011.57	2092150.47	
5000.00	30.00	126.07	4752.87	-620.47	851.78	1053.81	0.00	14509982.13	2092190.88	
5100.00	30.00	126.07	4839.47	-649.91	892.20	1103.81	0.00	14509952.69	2092231.30	
5200.00	30.00	126.07	4926.07	-679.35	932.61	1153.81	0.00	14509923.25	2092271.71	
5300.00	30.00	126.07	5012.68	-708.79	973.02	1203.81	0.00	14509893.81	2092312.12	
5400.00	30.00	126.07	5099.28	-738.23	1013.44	1253.81	0.00	14509864.37	2092352.54	
5500.00	30.00	126.07	5185.88	-767.67	1053.85	1303.81	0.00	14509834.93	2092392.95	
5600.00	30.00	126.07	5272.48	-797.10	1094.27	1353.81	0.00	14509805.50	2092433.37	
5700.00	30.00	126.07	5359.09	-826.54	1134.68	1403.81	0.00	14509776.06	2092473.78	
5800.00	30.00	126.07	5445.69	-855.98	1175.10	1453.81	0.00	14509746.62	2092514.20	
5900.00	30.00	126.07	5532.29	-885.42	1215.51	1503.81	0.00	14509717.18	2092554.61	
6000.00	30.00	126.07	5618.89	-914.86	1255.93	1553.81	0.00	14509687.74	2092595.03	
6100.00	30.00	126.07	5705.50	-944.30	1296.34	1603.81	0.00	14509658.30	2092635.44	
6104.48	30.00	126.07	5709.38	-945.62	1298.15	1606.05	0.00	14509656.98	2092637.25	DROP
6200.00	28.57	126.07	5792.69	-973.13	1335.91	1652.77	1.50	14509629.47	2092675.01	
6300.00	27.07	126.07	5881.13	-1000.60	1373.63	1699.43	1.50	14509602.00	2092712.73	
6400.00	25.57	126.07	5970.76	-1026.71	1409.47	1743.77	1.50	14509575.89	2092748.57	
6500.00	24.07	126.07	6061.52	-1051.42	1443.39	1785.74	1.50	14509551.18	2092782.49	
6600.00	22.57	126.07	6153.35	-1074.72	1475.38	1825.32	1.50	14509527.88	2092814.48	
6613.68	22.36	126.07	6166.00	-1077.80	1479.61	1830.55	1.50	14509524.80	2092818.71	MESAVERDE
6700.00	21.07	126.07	6246.19	-1096.60	1505.42	1862.48	1.50	14509506.00	2092844.52	
6800.00	19.57	126.07	6339.96	-1117.05	1533.49	1897.20	1.50	14509485.55	2092872.59	
6900.00	18.07	126.07	6434.62	-1136.04	1559.56	1929.46	1.50	14509466.56	2092898.66	
7000.00	16.57	126.07	6530.08	-1153.56	1583.62	1959.22	1.50	14509449.04	2092922.72	
7100.00	15.07	126.07	6626.29	-1169.61	1605.65	1986.48	1.50	14509432.99	2092944.75	
7200.00	13.57	126.07	6723.18	-1184.17	1625.64	2011.21	1.50	14509418.43	2092964.74	
7228.54	13.14	126.07	6750.95	-1188.05	1630.96	2017.80	1.50	14509414.55	2092970.06	ENT. TGT CYLINDER
7300.00	12.07	126.07	6820.69	-1197.23	1643.57	2033.39	1.50	14509405.37	2092982.67	
7400.00	10.57	126.07	6918.74	-1208.79	1659.43	2053.01	1.50	14509393.81	2092998.53	
7500.00	9.07	126.07	7017.28	-1218.83	1673.21	2070.06	1.50	14509383.77	2093012.31	
7600.00	7.57	126.07	7116.22	-1227.34	1684.90	2084.53	1.50	14509375.26	2093024.00	
7700.00	6.07	126.07	7215.51	-1234.33	1694.50	2096.40	1.50	14509368.27	2093033.60	
7800.00	4.57	126.07	7315.08	-1239.79	1701.99	2105.67	1.50	14509362.81	2093041.09	
7900.00	3.07	126.07	7414.85	-1243.71	1707.37	2112.32	1.50	14509358.89	2093046.47	
8000.00	1.57	126.07	7514.77	-1246.09	1710.64	2116.37	1.50	14509356.51	2093049.74	
8100.00	0.07	126.07	7614.76	-1246.93	1711.79	2117.79	1.50	14509355.67	2093050.89	
8104.48	0.00	126.07	7619.24	-1246.93	1711.79	2117.80	1.50	14509355.67	2093050.89	HOLD

Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Company: Anadarko-Kerr-McGee	Date: 7/13/2007	Time: 08:20:17	Page: 3
Field: Uintah County, Utah (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU #1022-13O4S, Grid North	
Site: NBU #1022-13O4S	Vertical (TVD) Reference:	SITE 5308.0	
Well: NBU 1022-13O4S	Section (VS) Reference:	Well (0.00N,0.00E,126.07Azi)	
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
8200.00	0.00	126.07	7714.76	-1246.93	1711.79	2117.80	0.00	14509355.67	2093050.89	
8300.00	0.00	126.07	7814.76	-1246.93	1711.79	2117.80	0.00	14509355.67	2093050.89	
8400.00	0.00	126.07	7914.76	-1246.93	1711.79	2117.80	0.00	14509355.67	2093050.89	
8500.00	0.00	126.07	8014.76	-1246.93	1711.79	2117.80	0.00	14509355.67	2093050.89	
8595.24	0.00	126.07	8110.00	-1246.93	1711.79	2117.80	0.00	14509355.67	2093050.89	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL			8110.00	-1246.93	1711.79	14509355.67	2093050.89	39 56 34.514 N	109 23 6.603 W
-Circle (Radius: 100)									
-Plan hit target									

Casing Points

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

Annotation

MD ft	TVD ft	
2160.00	2160.00	KOP
3660.00	3592.39	HOLD
6104.48	5709.38	DROP
7228.54	6750.95	ENT. TGT CYLINDER
8104.48	7619.24	HOLD
8595.24	8110.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
906.00	906.00	GREEN RIVER		0.00	0.00
4070.62	3948.00	WASATCH		0.00	0.00
6613.68	6166.00	MESAVERDE		0.00	0.00

Weatherford Drilling Services

Anticollision Report



Company: Anadarko-Kerr-McGee **Date:** 7/13/2007 **Time:** 08:48:58 **Page:** 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
Reference Site: NBU #1022-13O4S **Co-ordinate(NE) Reference:** Site: NBU #1022-13O4S, Grid North
Reference Well: NBU 1022-13O4S **Vertical (TVD) Reference:** SITE 5308.0
Reference Wellpath: 1 **Db:** Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD **Interval:** 100.00 ft
Depth Range: 0.00 to 8595.24 ft
Maximum Radius: 10000.00 ft
Reference: Plan: Plan #3
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #3 **Date Composed:** 7/11/2007
Principal: Yes **Version:** 1
Tied-to: From Surface

Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
NBU 1022-13K-3T	13K-3T	1 V0 Plan: Plan #1 V1	2200.00	2200.00	20.64	11.66	2.30	

Site: NBU 1022-13K-3T
Well: 13K-3T
Wellpath: 1 V0 Plan: Plan #1 V1 **Inter-Site Error:** 0.00 ft

Reference MD ft	TVD ft	Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
		MD ft	TVD ft	Ref ft	Offset ft	TFO-HS deg	North ft	East ft				
0.00	0.00	0.00	0.00	0.00	0.00	279.60	3.40	-20.10	20.39	20.21	114.51	No Data
100.00	100.00	100.00	100.00	0.09	0.09	279.60	3.40	-20.10	20.39	19.79	34.15	
200.00	200.00	200.00	200.00	0.30	0.30	279.60	3.40	-20.10	20.39	19.37	20.07	
300.00	300.00	300.00	300.00	0.51	0.51	279.60	3.40	-20.10	20.39	18.95	14.21	
400.00	400.00	400.00	400.00	0.72	0.72	279.60	3.40	-20.10	20.39	18.53	11.00	
500.00	500.00	500.00	500.00	0.93	0.93	279.60	3.40	-20.10	20.39	18.11	8.97	
600.00	600.00	600.00	600.00	1.14	1.14	279.60	3.40	-20.10	20.39	17.69	7.57	
700.00	700.00	700.00	700.00	1.35	1.35	279.60	3.40	-20.10	20.39	17.28	6.55	
800.00	800.00	800.00	800.00	1.56	1.56	279.60	3.40	-20.10	20.39	16.86	5.78	
900.00	900.00	900.00	900.00	1.76	1.76	279.60	3.40	-20.10	20.39	16.44	5.16	
1000.00	1000.00	1000.00	1000.00	1.97	1.97	279.60	3.40	-20.10	20.39	16.02	4.67	
1100.00	1100.00	1100.00	1100.00	2.18	2.18	279.60	3.40	-20.10	20.39	15.60	4.26	
1200.00	1200.00	1200.00	1200.00	2.39	2.39	279.60	3.40	-20.10	20.39	15.18	3.92	
1300.00	1300.00	1300.00	1300.00	2.60	2.60	279.60	3.40	-20.10	20.39	14.76	3.63	
1400.00	1400.00	1400.00	1400.00	2.81	2.81	279.60	3.40	-20.10	20.39	14.34	3.37	
1500.00	1500.00	1500.00	1500.00	3.02	3.02	279.60	3.40	-20.10	20.39	13.92	3.16	
1600.00	1600.00	1600.00	1600.00	3.23	3.23	279.60	3.40	-20.10	20.39	13.51	2.96	
1700.00	1700.00	1700.00	1700.00	3.44	3.44	279.60	3.40	-20.10	20.39	13.09	2.79	
1800.00	1800.00	1800.00	1800.00	3.65	3.65	279.60	3.40	-20.10	20.39	12.67	2.64	
1900.00	1900.00	1900.00	1900.00	3.86	3.86	279.60	3.40	-20.10	20.39	12.25	2.51	
2000.00	2000.00	2000.00	2000.00	4.07	4.07	279.60	3.40	-20.10	20.39	11.83	2.38	
2100.00	2100.00	2100.00	2100.00	4.28	4.28	279.60	3.40	-20.10	20.39	11.66	2.30	
2200.00	2200.00	2200.00	2200.00	4.49	4.49	153.87	3.40	-20.10	20.64	11.11	2.50	
2300.00	2299.94	2299.94	2299.94	4.70	4.70	157.23	3.40	-20.10	23.50	10.88	2.64	
2400.00	2399.72	2399.72	2399.72	4.91	4.91	162.14	3.40	-20.10	29.72	10.88	2.64	
2500.00	2499.20	2499.20	2499.20	5.13	5.11	166.60	3.40	-20.10	39.46	10.88	2.64	
2600.00	2598.27	2598.27	2598.27	5.36	5.32	169.97	3.40	-20.10	52.76	10.88	2.64	
2700.00	2696.81	2696.81	2696.81	5.61	5.53	172.36	3.40	-20.10	69.59	10.88	2.64	
2800.00	2794.69	2794.69	2794.69	5.90	5.73	174.05	3.40	-20.10	89.90	10.88	2.64	
2900.00	2891.80	2891.80	2891.80	6.21	5.94	175.26	3.40	-20.10	113.66	10.88	2.64	
3000.00	2988.02	2988.02	2988.02	6.58	6.14	176.14	3.40	-20.10	140.81	128.65	11.58	
3100.00	3083.22	3083.22	3083.22	6.99	6.34	176.79	3.40	-20.10	171.33	158.78	13.66	
3200.00	3177.31	3177.31	3177.31	7.47	6.53	177.28	3.40	-20.10	205.16	192.23	15.87	
3300.00	3270.15	3270.15	3270.15	8.01	6.73	177.67	3.40	-20.10	242.26	228.95	18.19	
3400.00	3361.64	3361.64	3361.64	8.62	6.92	177.97	3.40	-20.10	282.59	268.89	20.62	
3500.00	3451.67	3451.67	3451.67	9.30	7.11	178.21	3.40	-20.10	326.09	312.00	23.14	

Weatherford Drilling Services

Anticollision Report



Weatherford

Company: Anadarko-Kerr-McGee	Date: 7/13/2007	Time: 08:48:58	Page: 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)			
Reference Site: NBU #1022-13O4S	Co-ordinate(NE) Reference: Site: NBU #1022-13O4S, Grid North		
Reference Well: NBU 1022-13O4S	Vertical (TVD) Reference: SITE 5308.0		
Reference Wellpath: 1	Db: Sybase		

Site: NBU 1022-13K-3T
 Well: 13K-3T
 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				
3600.00	3540.12	3540.12	3540.12	10.06	7.29	178.41	3.40	-20.10	372.71	358.23	25.73	
3700.00	3627.04	3627.04	3627.04	10.90	7.48	178.58	3.40	-20.10	422.16	407.23	28.28	
3800.00	3713.64	3713.64	3713.64	11.77	7.66	178.73	3.40	-20.10	472.14	456.71	30.58	
3900.00	3800.24	3800.24	3800.24	12.67	7.84	178.85	3.40	-20.10	522.14	506.18	32.73	
4000.00	3886.84	3886.84	3886.84	13.58	8.02	178.95	3.40	-20.10	572.13	555.65	34.72	
4100.00	3973.45	3973.45	3973.45	14.51	8.20	179.03	3.40	-20.10	622.12	605.12	36.58	
4200.00	4060.05	4060.05	4060.05	15.46	8.38	179.11	3.40	-20.10	672.12	654.58	38.32	
4300.00	4146.65	4146.65	4146.65	16.41	8.56	179.17	3.40	-20.10	722.11	704.04	39.94	
4400.00	4233.25	4233.25	4233.25	17.37	8.75	179.22	3.40	-20.10	772.11	753.49	41.47	
4500.00	4319.86	4319.86	4319.86	18.34	8.93	179.27	3.40	-20.10	822.11	802.94	42.90	
4600.00	4406.46	4406.46	4406.46	19.31	9.11	179.31	3.40	-20.10	872.10	852.39	44.24	
4700.00	4493.06	4493.06	4493.06	20.29	9.29	179.35	3.40	-20.10	922.10	901.84	45.50	
4800.00	4579.66	4579.66	4579.66	21.27	9.47	179.38	3.40	-20.10	972.10	951.28	46.69	
4900.00	4666.27	4666.27	4666.27	22.26	9.65	179.41	3.40	-20.10	1022.10	1000.72	47.82	
5000.00	4752.87	4752.87	4752.87	23.25	9.83	179.44	3.40	-20.10	1072.10	1050.16	48.88	
5100.00	4839.47	4839.47	4839.47	24.25	10.02	179.46	3.40	-20.10	1122.09	1099.60	49.89	
5200.00	4926.07	4926.07	4926.07	25.24	10.20	179.49	3.40	-20.10	1172.09	1149.04	50.84	
5300.00	5012.68	5012.68	5012.68	26.24	10.38	179.51	3.40	-20.10	1222.09	1198.47	51.74	
5400.00	5099.28	5099.28	5099.28	27.24	10.56	179.53	3.40	-20.10	1272.09	1247.91	52.60	
5500.00	5185.88	5185.88	5185.88	28.25	10.74	179.55	3.40	-20.10	1322.09	1297.34	53.42	
5600.00	5272.48	5272.48	5272.48	29.25	10.92	179.56	3.40	-20.10	1372.09	1346.77	54.20	
5700.00	5359.09	5359.09	5359.09	30.26	11.10	179.58	3.40	-20.10	1422.09	1396.20	54.94	
5800.00	5445.69	5445.69	5445.69	31.27	11.28	179.59	3.40	-20.10	1472.09	1445.63	55.65	
5900.00	5532.29	5532.29	5532.29	32.27	11.47	179.61	3.40	-20.10	1522.08	1495.06	56.32	
6000.00	5618.89	5618.89	5618.89	33.29	11.65	179.62	3.40	-20.10	1572.08	1544.49	56.97	
6100.00	5705.50	5705.50	5705.50	34.30	11.83	179.63	3.40	-20.10	1622.08	1593.91	57.58	
6200.00	5792.69	5792.69	5792.69	35.14	12.01	179.65	3.40	-20.10	1671.04	1642.39	58.32	
6300.00	5881.13	5881.13	5881.13	35.79	12.20	179.66	3.40	-20.10	1717.71	1688.74	59.31	
6400.00	5970.76	5970.76	5970.76	36.41	12.38	179.67	3.40	-20.10	1762.04	1732.78	60.22	
6500.00	6061.52	6061.52	6061.52	36.99	12.57	179.68	3.40	-20.10	1804.01	1774.47	61.07	
6600.00	6153.35	6153.35	6153.35	37.55	12.77	179.69	3.40	-20.10	1843.59	1813.78	61.85	
6700.00	6246.19	6246.19	6246.19	38.06	12.96	179.70	3.40	-20.10	1880.75	1850.70	62.58	
6800.00	6339.96	6339.96	6339.96	38.54	13.16	179.71	3.40	-20.10	1915.47	1885.19	63.25	
6900.00	6434.62	6434.62	6434.62	38.98	13.36	179.72	3.40	-20.10	1947.73	1917.23	63.87	
7000.00	6530.08	6530.08	6530.08	39.39	13.56	179.73	3.40	-20.10	1977.49	1946.81	64.44	
7100.00	6626.29	6626.29	6626.29	39.75	13.76	179.73	3.40	-20.10	2004.75	1973.89	64.97	
7200.00	6723.18	6723.18	6723.18	40.08	13.96	179.74	3.40	-20.10	2029.48	1998.47	65.45	
7300.00	6820.69	6820.69	6820.69	40.36	14.16	179.74	3.40	-20.10	2051.66	2020.52	65.89	
7400.00	6918.74	6918.74	6918.74	40.61	14.37	179.74	3.40	-20.10	2071.28	2040.04	66.30	
7500.00	7017.28	7017.28	7017.28	40.82	14.58	179.75	3.40	-20.10	2088.33	2057.01	66.67	
7600.00	7116.22	7116.22	7116.22	40.98	14.78	179.75	3.40	-20.10	2102.80	2071.41	67.00	
7700.00	7215.51	7215.51	7215.51	41.11	14.99	179.75	3.40	-20.10	2114.67	2083.25	67.30	
7800.00	7315.08	7315.08	7315.08	41.20	15.20	179.75	3.40	-20.10	2123.93	2092.50	67.57	
7900.00	7414.85	7414.85	7414.85	41.25	15.41	179.76	3.40	-20.10	2130.59	2099.17	67.81	
8000.00	7514.77	7514.77	7514.77	41.27	15.62	179.76	3.40	-20.10	2134.63	2103.25	68.01	
8100.00	7614.76	7614.76	7614.76	41.24	15.83	179.76	3.40	-20.10	2136.06	2104.74	68.19	
8200.00	7714.76	7714.76	7714.76	41.24	16.04	305.83	3.40	-20.10	2136.06	2085.37	42.13	
8300.00	7814.76	7814.76	7814.76	41.29	16.25	305.83	3.40	-20.10	2136.06	2085.10	41.92	
8400.00	7914.76	7914.76	7914.76	41.33	16.46	305.83	3.40	-20.10	2136.06	2084.84	41.70	
8500.00	8014.76	8014.76	8014.76	41.38	16.67	305.83	3.40	-20.10	2136.06	2084.58	41.49	
8595.24	8110.00	8110.00	8110.00	41.42	16.87	305.83	3.40	-20.10	2136.06	2084.33	41.29	

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.

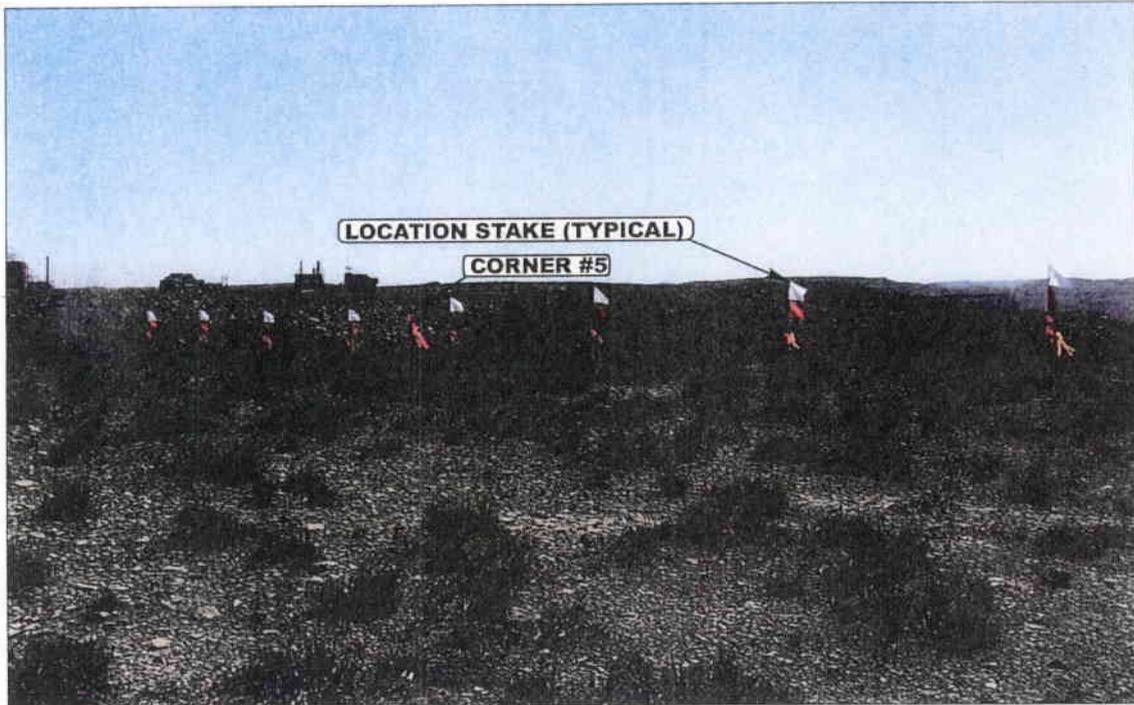


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: WESTERLY



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

LOCATION PHOTOS

05 17 07
MONTH DAY YEAR

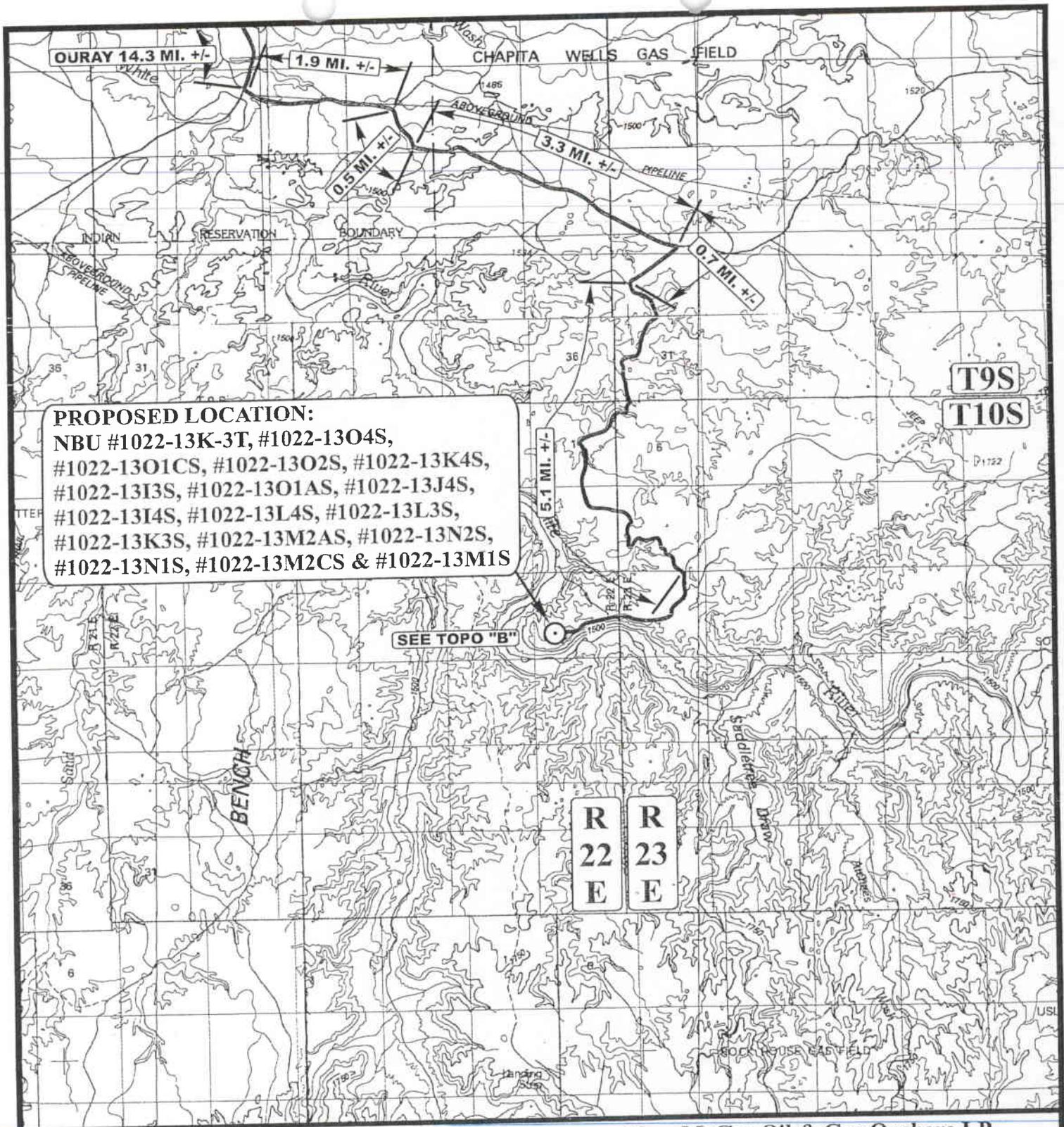
PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00

- Since 1964 -



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

SEE TOPO "B"

LEGEND:

○ PROPOSED LOCATION



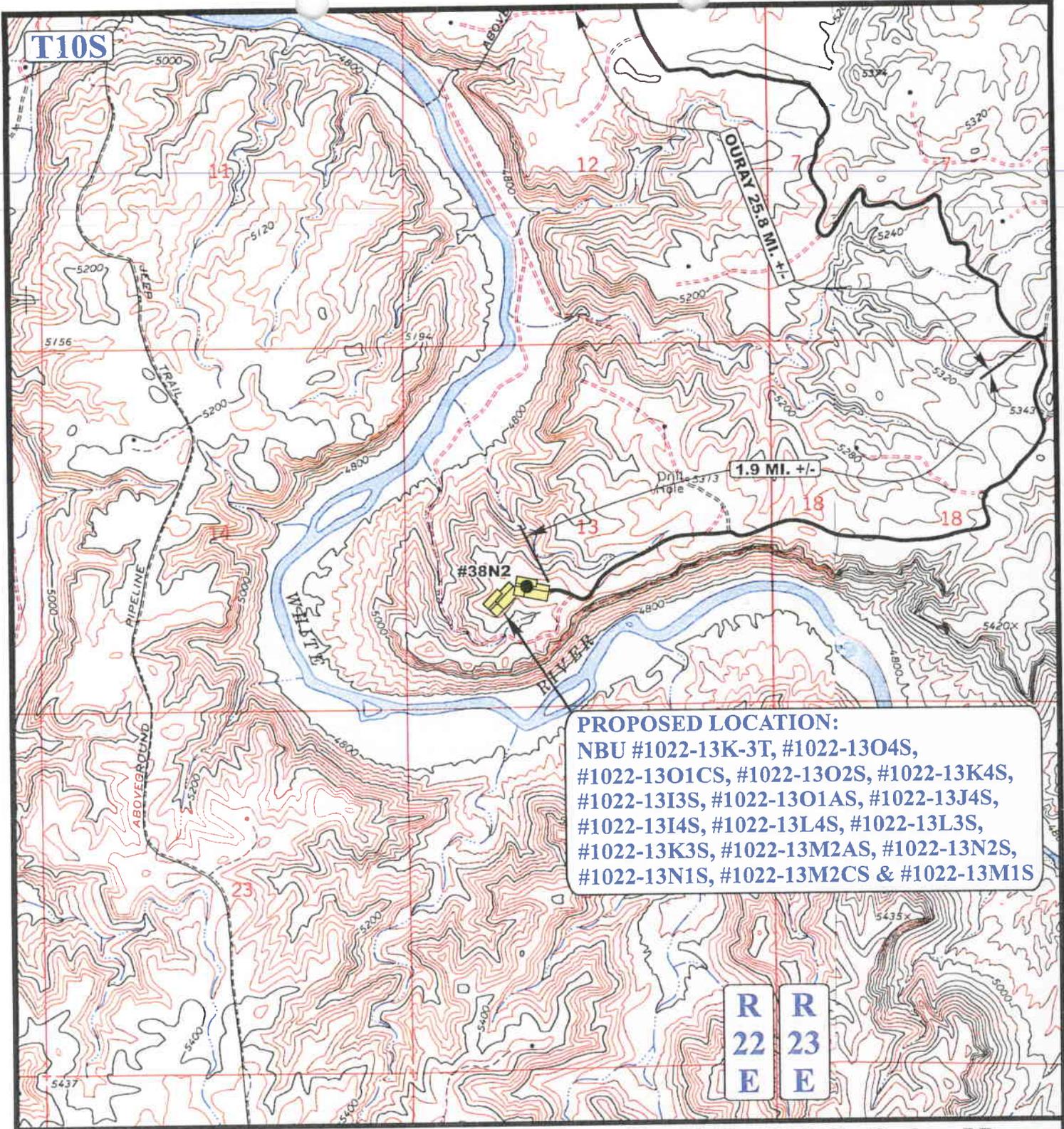
Kerr-McGee Oil & Gas Onshore LP

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

U E I S
 Uintah 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

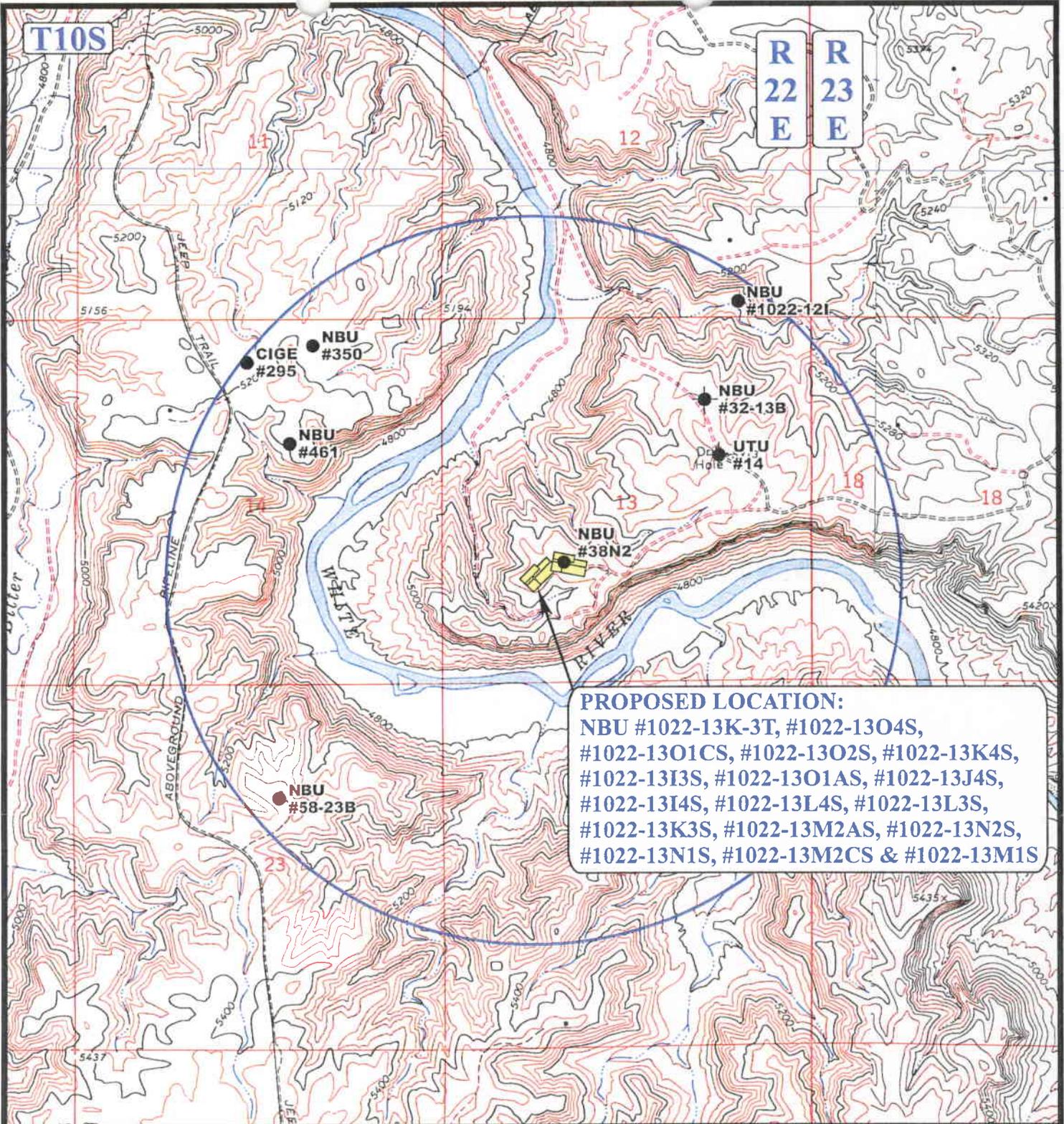
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 #1022-13K4S, #1022-13I3S, #1022-13O1AS, #1022-13J4S,
 #1022-13I4S, #1022-13L4S, #1022-13L3S, #1022-13K3S,
 #1022-13M2AS, #1022-13N2S, #1022-13N1S, #1022-13M2CS
 & #1022-13M1S
 SECTION 13, T10S, R22E, S.L.B.&M.; SW 1/4



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TOPOGRAPHIC **05 17 07**
MAP 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 | ⊘ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN 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

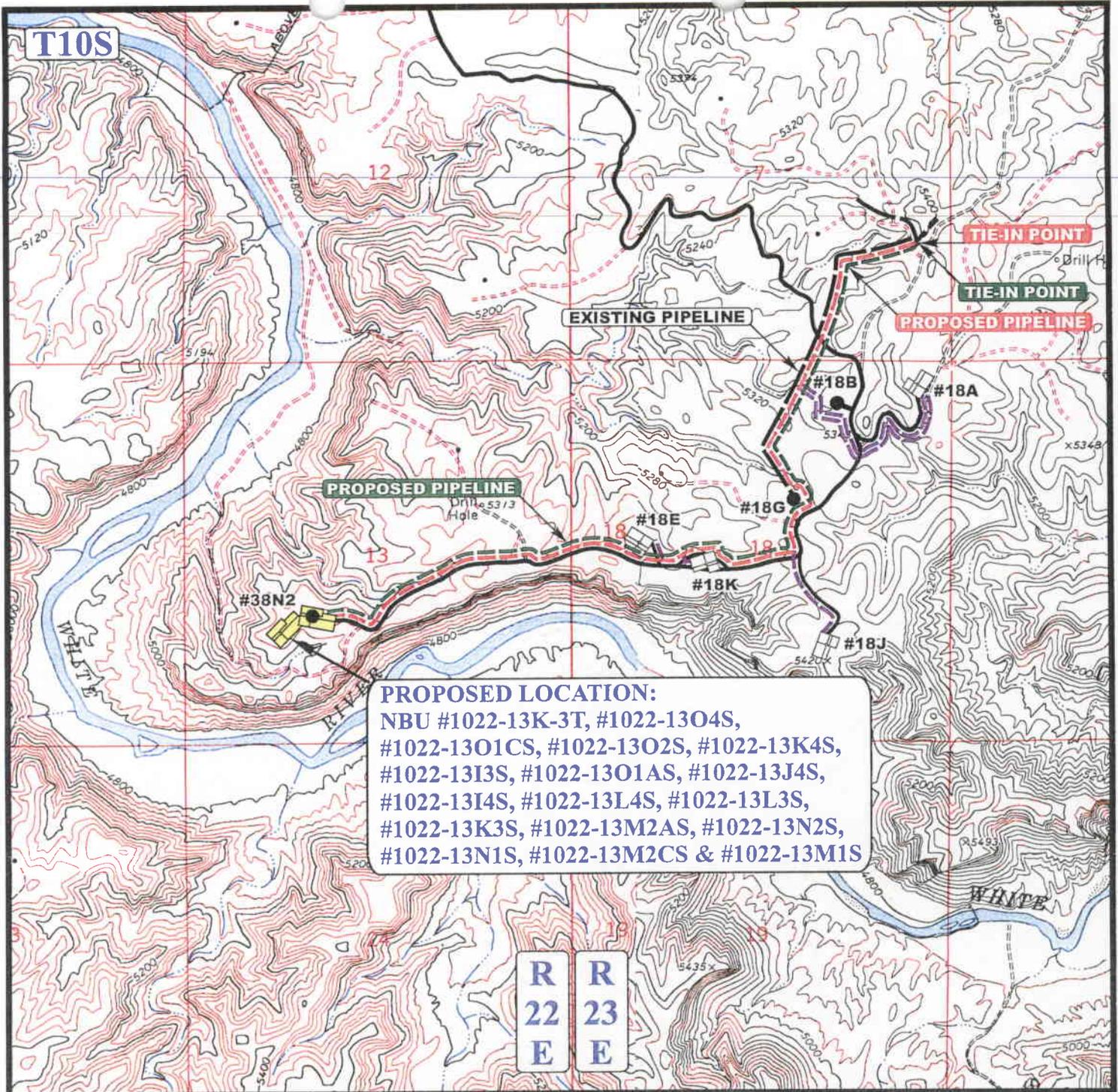


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TOPOGRAPHIC 05 17 07
MAP MONTH DAY YEAR

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

R 22 E
 R 23 E

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
 85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC
 MAP

05 17 07
 MONTH DAY YEAR



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

Kerr-McGee Oil & Gas Onshore LP

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

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



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: WESTERLY



- 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
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K. DRAWN BY: C.P. REVISED: 00-00-00

INTERFERENCE DETAIL FOR

NBU #1022-13K-3T, #1022-1304S,
#1022-1301CS, #1022-1302S, #1022-13K4S,
#1022-1313S, #1022-1301AS, #1022-13J4S,
#1022-1314S, #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.C.

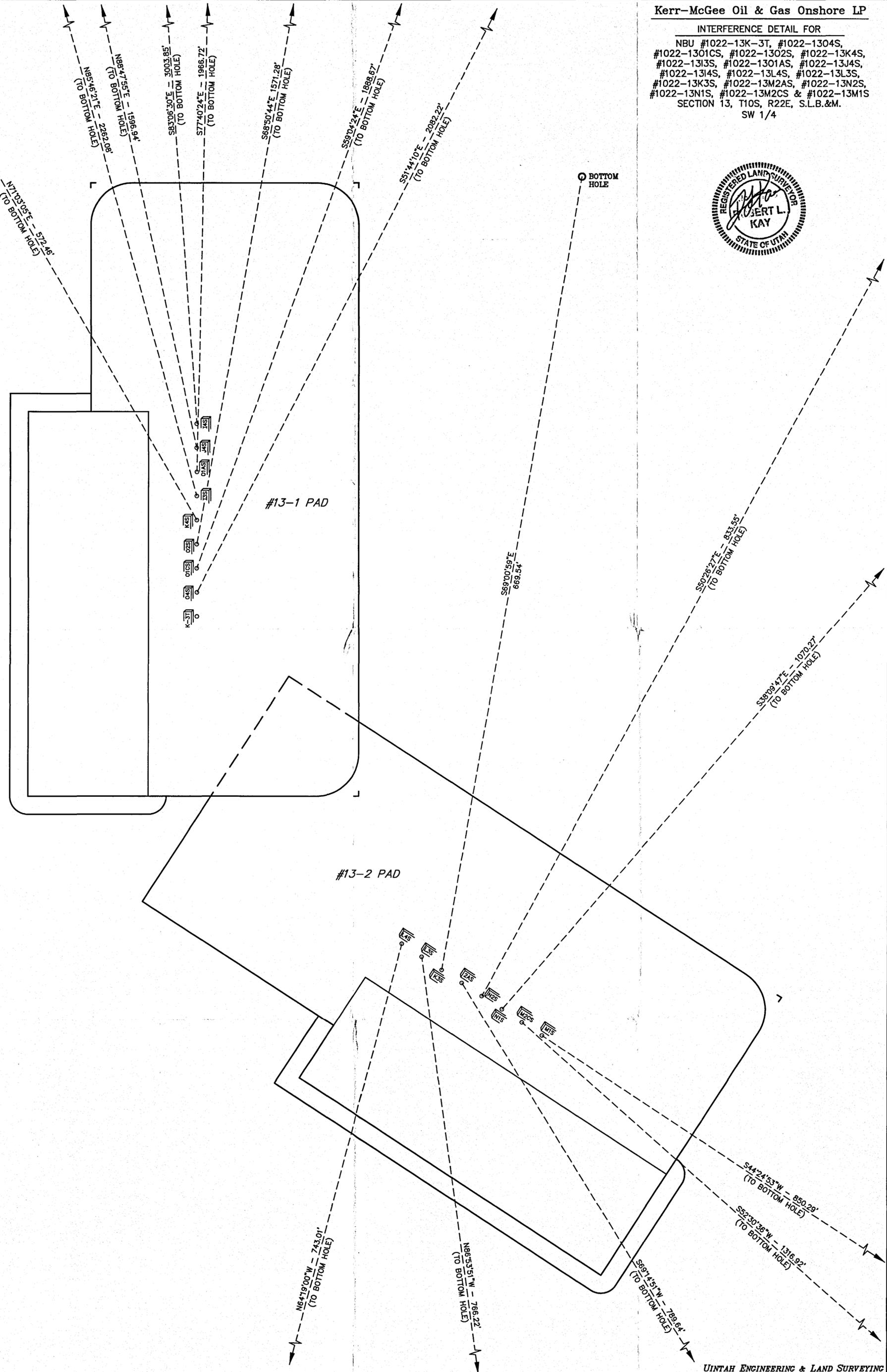


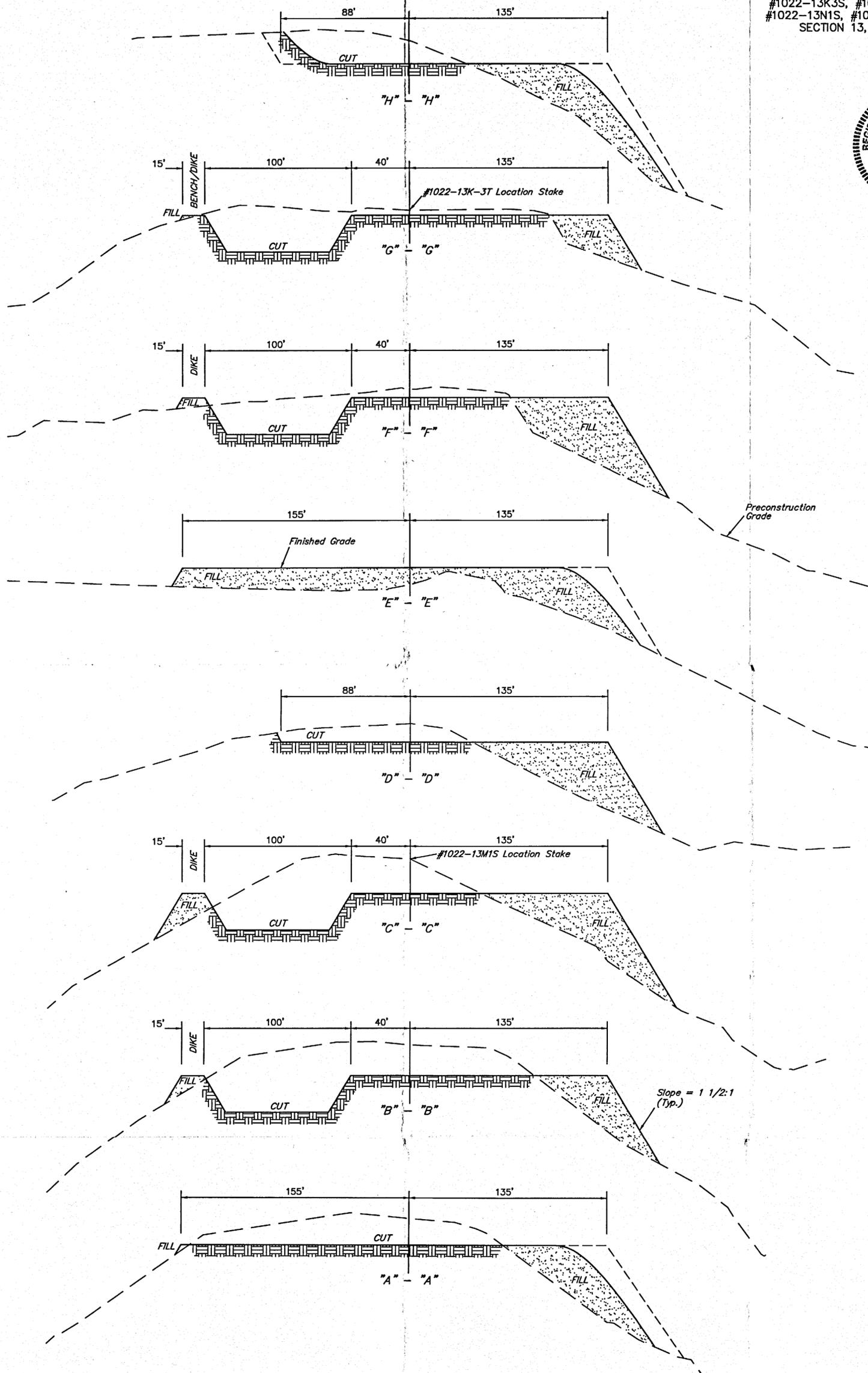
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #1022-13K-3T, #1022-1304S,
 #1022-1301CS, #1022-1302S, #1022-13K4S,
 #1022-1313S, #1022-1301AS, #1022-13J4S,
 #1022-1314S, #1022-13L4S, #1022-13L3S,
 #1022-13K3S, #1022-13M2AS, #1022-13N2S,
 #1022-13N1S, #1022-13M2CS & #1022-13M1S
 SECTION 13, T10S, R22E, S.L.B.&M.
 SW 1/4



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



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

APPROXIMATE YARDAGES FOR #13-1 PAD

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

APPROXIMATE YARDAGES FOR #13-2 PAD

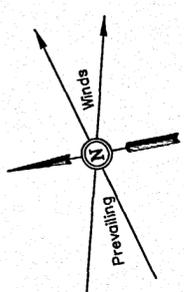
CUT	
(6") Topsoil Stripping	= 2,860 Cu. Yds.
Remaining Location	= 24,050 Cu. Yds.
TOTAL CUT	= 26,910 CU.YDS.
FILL	= 19,710 CU.YDS.
EXCESS MATERIAL	= 7,200 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 7,200 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

* NOTE:
 FILL QUANTITY INCLUDES
 5% FOR COMPACTION

LOCATION LAYOUT FOR

NBU #1022-13K-3T, #1022-1304S,
 #1022-1301CS, #1022-1302S, #1022-13K4S,
 #1022-1313S, #1022-1301AS, #1022-13J4S,
 #1022-1314S, #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

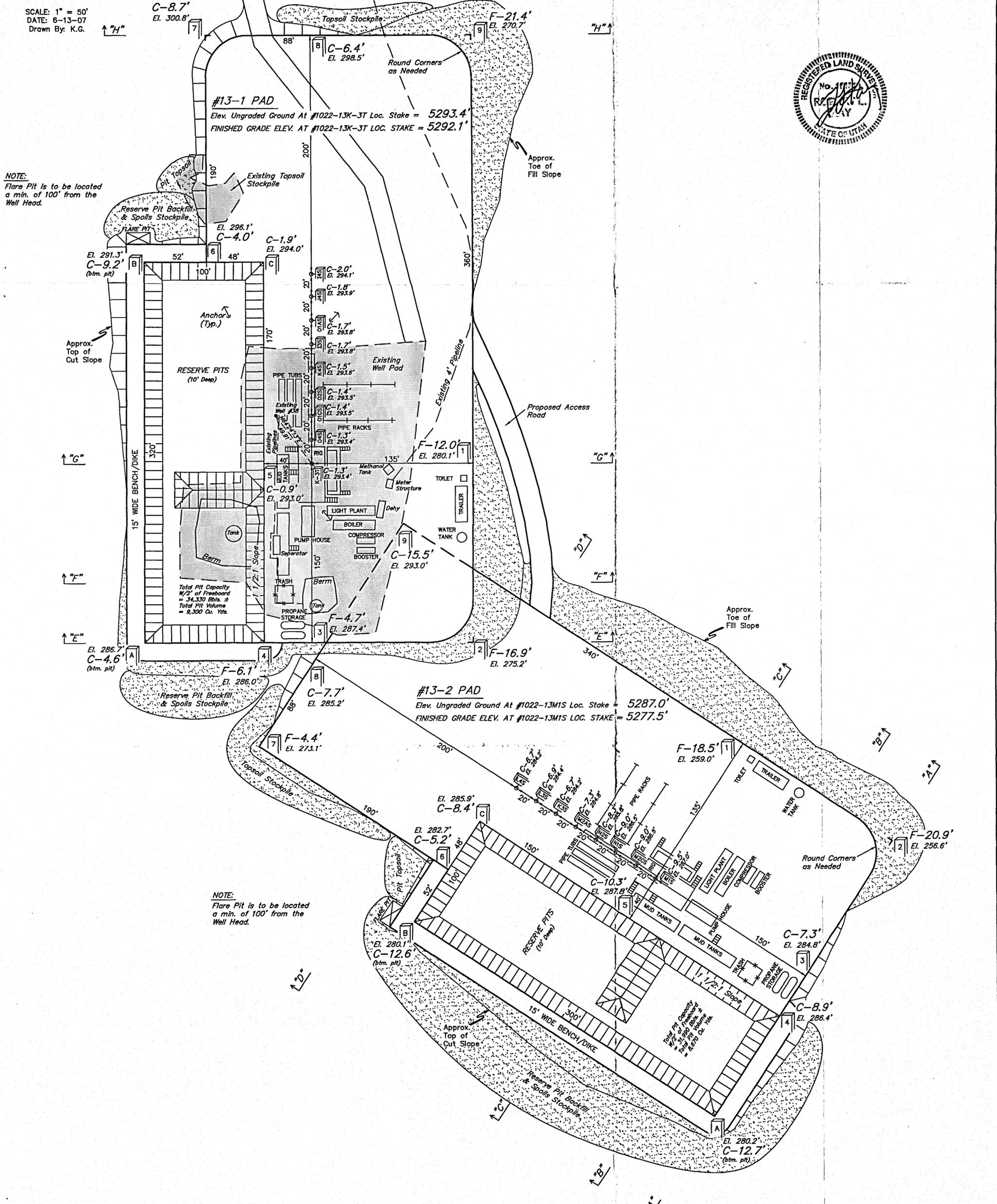
FIGURE #1



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.

Total Pit Capacity
 W/2' of Freeboard
 = 34,330 Bbls. ±
 Total Pit Volume
 = 9,300 Cu. Yds.

Total Pit Capacity
 W/2' of Freeboard
 = 24,970 Bbls. ±
 Total Pit Volume
 = 6,470 Cu. Yds.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/06/2007

API NO. ASSIGNED: 43-047-39480

WELL NAME: NBU 1022-1304S
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DLO	8/31/07
Geology		
Surface		

SWS12

NESW 13 100S 220E
 SURFACE: 1750 FSL 1686 FWL
 BOTTOM: 0460 FSL 1925 FEL
 COUNTY: UINTAH
 LATITUDE: 39.94648 LONGITUDE: -109.3910
 UTM SURF EASTINGS: 637456 NORTHINGS: 4422846
 FIELD NAME: NATURAL BUTTES (630)

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

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)
- 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: 173-14
Eff Date: 12-2-99
Siting: 460' to US Army & UNCOM III Tract
- R649-3-11. Directional Drill

COMMENTS:

Needs Permit (06-27-07)

STIPULATIONS:

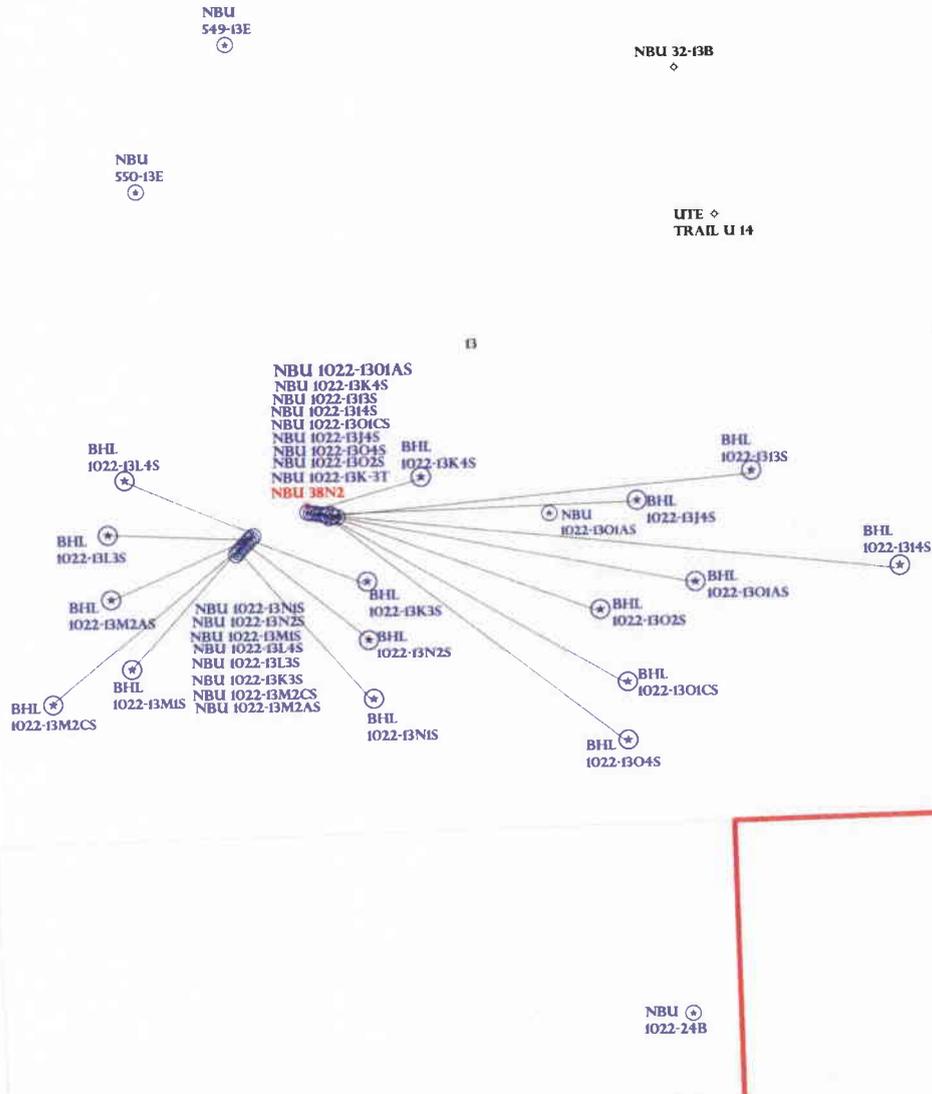
- 1- STATEMENT OF BASIS
- 2- OIL SHALE
- 3- Surface Csg Cont Stop

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

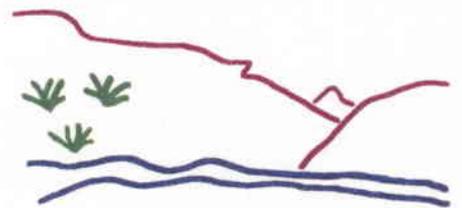
CAUSE: 173-14 / 12-2-1999

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

8/15/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
487	43-047-39480-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, LP		Surface Owner-APD		
Well Name	NBU 1022-13O4S		Unit		
Field	UNDESIGNATED		Type of Work		
Location	NESW 13 10S 22E S 1750 FSL 1686 FWL GPS Coord (UTM) 637456E 4422846N				

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

8/15/2007
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.

When the wells are completed the west tank on the west corner of the upper pad will be in view for about 1/8 mile along the river bottom. Even though rafters would have to look behind them to see this tank, Kerr McGee agreed to use a low profile tank for this location.

Application for Permit to Drill

Statement of Basis

8/15/2007

Utah Division of Oil, Gas and Mining

Page 2

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 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 1022-13O4S
API Number 43-047-39480-0 **APD No** 487 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NESW **Sec** 13 **Tw** 10S **Rng** 22E 1750 FSL 1686 FWL
GPS Coord (UTM) 637466 4422852 **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
Existing Well Pad

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0	Width 290 Length 510	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

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

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

Soil Type and Characteristics

Shallow gravely sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	<300	20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
Final Score		35
		1 Sensitivity Level

Characteristics / Requirements

The reserve pit is proposed on the northwest corner of the upper 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 320' x 10' deep. Carroll Estes of Kerr McGee committed to line the pit with a double 20 mil liner with an appropriate thickness of felt sub-liner dependent upon the roughness of the surface of the constructed pit.

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

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

Other Observations / Comments

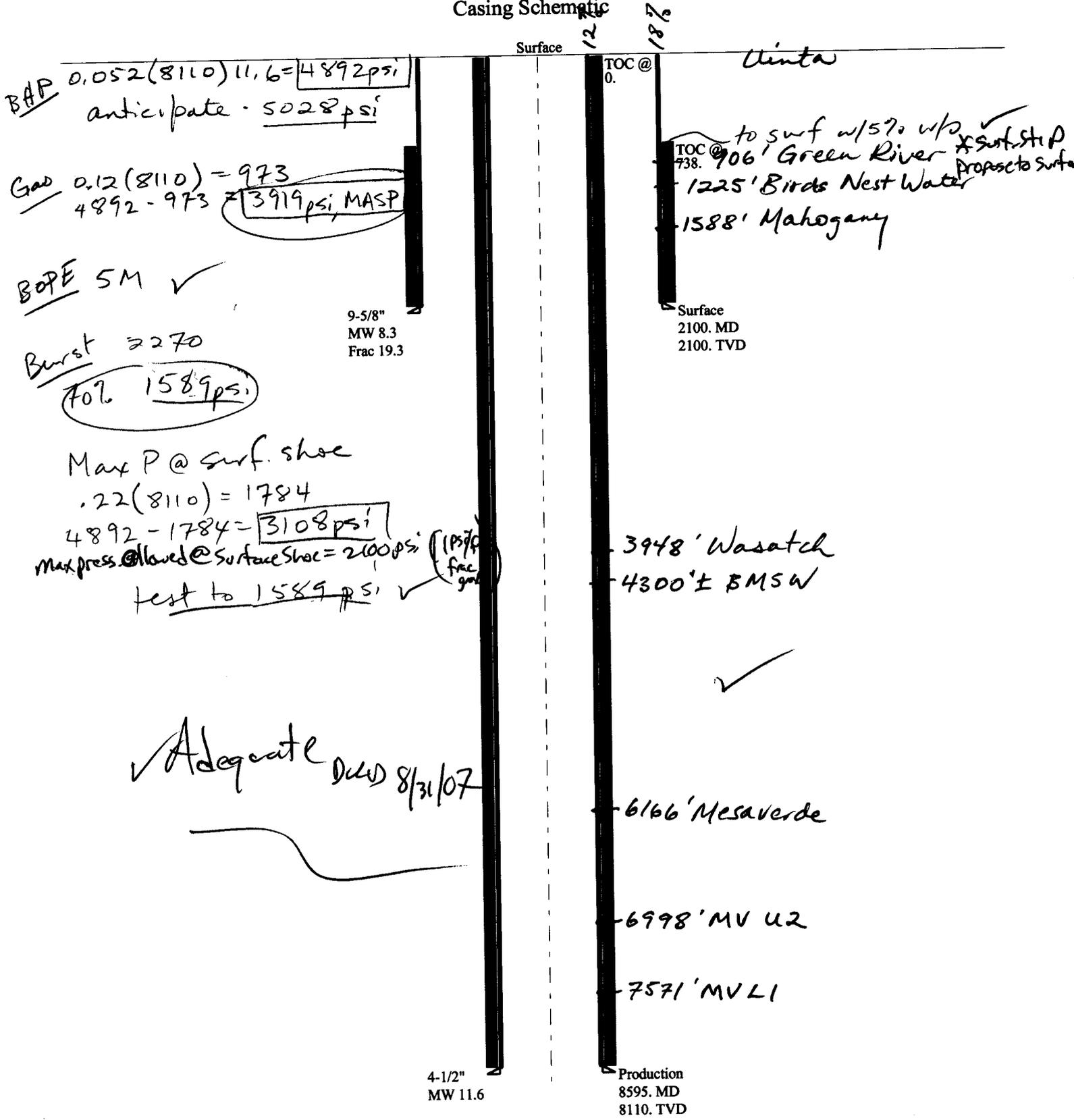
Daniel Emmet represented the Utah Division of Wildlife Resources. Mr. Emmet stated the area is classified as critical yearlong habitat for antelope. He however recommended no stipulations for this species as the loss of forage from this location is not significant and water not forage is the factor limiting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

Floyd Bartlett
Evaluator

6/27/2007
Date / Time

2007-08 Kerr McGee NBU 1022-1304S

Casing Schematic



Well name:	2007-08 Kerr McGee NBU 1022-1304S	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Surface	Project ID: 43-047-39480
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: 8,110 ft
Next mud weight: 11.600 ppg
Next setting BHP: 4,887 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 (ft ³)
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: August 27, 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:	2007-08 Kerr McGee NBU 1022-13O4S	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Production	Project ID: 43-047-39480
Location:	Uintah County, Utah	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 3,103 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 4,887 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on buoyed weight.
Neutral point: 7,180 ft

Environment:

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

Cement top: Surface

Directional Info - Build & Drop

Kick-off point: 2160 ft
Departure at shoe: 2118 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 0 °

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	8595	4.5	11.60	I-80	LT&C	8110	8595	3.875	750.1
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	4887	6360	1.301	4887	7780	1.59	78	212	2.73 J

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

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

Date: August 27, 2007
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8110 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.



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

July 31, 2007

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

RE: Directional Drilling R649-3-11
NBU 1022-13O4S 1750'FSL, 1686'FWL (Surface)
460'FSL, 1925'FEL (Bottomhole)
Uintah County, Utah

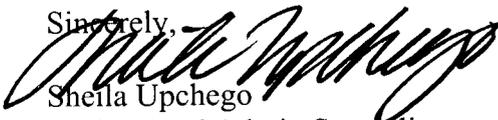
Dear Ms. Whitney:

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

- NBU 1022-13O4S 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

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 4, 2007

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

Re: Natural Buttes Unit 1022-13O4S Well, 1750' FSL, 1686' FWL, NE SW, Sec. 13,
T. 10 South, R. 22 East, Bottom Location 460' FSL, 1925' FEL, SW SE, 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 43-047-39480.

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 Natural Buttes Unit 1022-13O4S
API Number: 43-047-39480
Lease: STUO-08512-ST

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

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
4304739480	NBU 1022-13O4S		NESW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	11/12/2007		<u>11/26/07</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 11/12/2007 AT 1500 HRS. <u>BAL = SWSE</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739489	NBU 1022-13K-3T		NESW	13	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	11/12/2007		<u>11/26/07</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 11/12/2007 AT 11:30 AM.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738224	BONANZA 1023-10E		SWNW	10	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>A</u>	99999	<u>16501</u>	11/12/2007		<u>11/26/07</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 11/12/2007 AT 1530 HRS							

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

11/13/2007

Date

RECEIVED

NOV 13 2007

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		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 1022-1304S
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304739480
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1750'FSL, 1686'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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<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>WELL SPUD</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

SPUD WELL LOCATION ON 11/12/2007 AT 1500 HRS

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE 	DATE 11/13/2007

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DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		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 1022-13O4S
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304739480
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1750'FSL, 1686'FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

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

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

MIRU BILL MARTIN AIR RIG ON 12/07/2007. DRILLED 12 1/4" SURFACE HOLE TO 2160'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/200 SX PREM CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO LEAD CMT TO SURFACE GEL RETURNS AND 650 PSI LIFT. RAN 200' OF 1" PIPE. CMT W/185 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE	DATE 12/10/2007

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DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		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 1022-1304S
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		9. API NUMBER: 4304739480
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1750'FSL, 1686'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 2160' TO 8605' ON 01/27/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/370 SX PREM LITE II @11.4 PPG 2.91 YIELD. TAILED CMT W/1320 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/133 BBLS WATER GOT BACK 43 BBLS GOOD CMT TO PIT. NIPPLE DOWN & SET SLIPS W/85K STRING WT CLEAN AND WASH OUT MUD TANKS.

RELEASED ENSIGN RIG 83 ON 01/29/2008 AT 1700 HRS.

RECEIVED
FEB 05 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE	DATE 1/30/2008

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**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 39480 API Number: _____ Drilling Commenced: _____
NBU 1022-1304S
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	4304739401	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

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1750'FSL, 1686'FWL		8. WELL NAME and NUMBER: NBU 1022-13O4S
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E		9. API NUMBER: 4304739480
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

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

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: PRODUCTION START-UP
	<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 05/15/2008 AT 4:00 PM.
PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE 	DATE 5/19/2008

RECEIVED

MAY 21 2008

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DIV. OF OIL, GAS & MINING

Wins No.: 95381

NBU 1022-130-4S

Well Operations Summary Long

Operator KERR-MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 11/12/2007	GL 5,293	KB 5310	ROUTE
API 4304739480	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 39.94646 / -109.39158	Q-Q/Sect/Town/Range: / 13 / 10S / 22E	Footages: 1,750.00' FSL 1,686.00' FWL			

Wellbore: NBU 1022-130-4S

MTD 8,605	TVD 8,300	PBMD	PBTVD
EVENT INFORMATION:		EVENT ACTIVITY: DRILLING	START DATE: 11/12/2007
		OBJECTIVE: DEVELOPMENT	END DATE: 1/29/2008
		OBJECTIVE 2:	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	11/26/2007	11/26/2007	11/26/2007	11/26/2007	12/09/2007	12/09/2007	12/09/2007

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
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11/12/2007							
SUPERVISOR: LEW WELDON							
	15:00 - 21:00	6.00	DRLCON	02		P	MOVE IN AND RIG UOP BUCKET RIG SPUD WELL @ 1500 HR 11/12/07 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 83 BLM AND STATE NOTIFIED OF SPUD

11/26/2007							
SUPERVISOR: LEW WELDON							
	12:00 - 18:00	6.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1200 HR 11/26/07 DRILL TO 630' AND SDFN
	18:00 - 0:00	6.00	DRLSUR	12		P	SDFN

11/27/2007							
SUPERVISOR: LEW WELDON							
	0:00 - 6:00	6.00	DRLSUR	12		P	SDFN
	6:00 - 13:00	7.00	DRLSUR	02	H	P	RIH TO 630' AND DRILL TO 1020' T/D PIOLET HOLE CONDITION HOLE 1 HR AND POOH
	13:00 - 0:00	11.00	DRLSUR	12		P	WOAR

12/7/2007							
SUPERVISOR: LEW WELDON							
	21:00 - 0:00	3.00	DRLSUR	02		P	MOVE OVER AND RIH TO 1020' SPUD WELL @ 2100 HR 12/7/07 DA AT REPORT TIME

12/8/2007							
SUPERVISOR: LEW WELDON							

0:00 - 12:00	12.00	DRLSUR	02	P	RIG DRILLING AHEAD HIT TRONA WATER @ 1410' CIRCULATING WITH SKID PUMP FULL RETURNS 1530'
12:00 - 0:00	12.00	DRLSUR	02	P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP FULL RETURNS 1860'

12/9/2007

SUPERVISOR: LEW WELDON

0:00 - 11:00	11.00	DRLSUR	02	P	RIG T/D @ 2160' CONDITION HOLE 1 HR WITH FULL RETURNS
11:00 - 12:00	1.00	DRLSUR	05	P	TIGHT HOLE RUN BACK TO BOTTOM AND CONDITION HOLE 1 HR
12:00 - 13:00	1.00	DRLSUR	04	X	CONDITION HOLE WITH AIR TO CLEAN HOLE
13:00 - 17:00	4.00	DRLSUR	05	P	TRIP DP OUT OF HOLE
17:00 - 20:00	3.00	DRLSUR	11	P	RUN CSG TAG WITH LAST JNT RIG UP TO CIRCULATE LAST JNT DOWN
20:00 - 22:00	2.00	DRLSUR	11	P	CIRCULATE LAST JNT DOWN RUN 2118' OF 9 5/8 CSG RUN 200' OF 1" PIPE AND RIG DOWN AIR RIG
22:00 - 23:00	1.00	DRLSUR	15	P	CEMENT 1ST STAGE WITH 200 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO LEAD CMT TO SURFACE GEL RETURNS AND 650 PSI LIFT
23:00 - 0:00	1.00	DRLSUR	15	P	1ST TOP JOB 185 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND STAYED AT SURFACE NO VISIBLE LEAKS WORT

1/17/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 0:00	24.00	DRLPRO	01	E	P	RIGGING DOWN AND PREPARE FOR SKID
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1/18/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 18:00	18.00	DRLPRO	01	C	P	R/D & SKID RIG & R/U
18:00 - 21:00	3.00	DRLPRO	13	A	P	NIPPLE UP BOPE
21:00 - 0:00	3.00	DRLPRO	13	C	P	TEST BOPE, KELLY VALVES & FLOOR VALVE 250/5000, RAMS 250/5000

1/19/2008

SUPERVISOR: SID ARMSTRONG

Wins No.: 95381

NBU 1022-130-4S

API No.: 4304739480

0:00 - 2:30	2.50	DRLPRO	13	C	P	TEST BOPE, TEST CASING, SET WEAR BUSHING
2:30 - 9:30	7.00	DRLPRO	05	A	P	M/U DIRECTIONAL TOOLS, P/U BHA & DRILL STRING
9:30 - 10:30	1.00	DRLPRO	06	D	P	SLIP & CUT DRLG LINE
10:30 - 11:30	1.00	DRLPRO	06	C	P	INSTALL ROTHEAD & DRIVERS
11:30 - 13:30	2.00	DRLPRO	02	F	P	DRLG CEMENT & FLOAT EQUIPMENT
13:30 - 16:00	2.50	DRLPRO	02	D	P	DRLG & SURVEY F/ 2,160 TO 2,244 (84' AVG @ 33.6 FPH
16:00 - 21:00	5.00	DRLPRO	05	K	Z	M.W.D TOOL SIGNAL WOULDN'T WORK & T.O.H & C/O MDW TOOL. & T.I.H
21:00 - 0:00	3.00	DRLPRO	02	D	P	DRILG & SURVEY F/ 2244-2431 (187' AVG 62.3 FPH, MW 8.6#) ==TOTAL ROTATING HRS 5.5

1/20/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 16:00	16.00	DRLPRO	02	D	P	DRILLING 2431-3387, 956' = 59.8 FPH, MW 9..2
16:00 - 16:30	0.50	DRLPRO	06	A	P	SERVICE RIG
16:30 - 0:00	7.50	DRLPRO	02	D	P	DRILLING 3387-3834 = 447' = 59.6 FPH, MW 9.2, TOTAL ROTATING HRS 29

1/21/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 15:00	15.00	DRLPRO	02	D	P	DRILLING F/ 3,834 TO 4,588, - 754' =50.2 FPH W/ 9.3 PPG
15:00 - 15:30	0.50	DRLPRO	06	A	P	SER RIG
15:30 - 0:00	8.50	DRLPRO	02	C	P	DRILLING F/ 4,588 TO 5044 = 456' = 53.6 FPH, MW 9.8 PPG ==52.5 TOTAL ROTATING HRS

1/22/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 14:30	14.50	DRLPRO	02	D	P	DRILLING F/ 5044-5576 - 532' = 36.6 FPH W/ 9.9 PPG
14:30 - 15:00	0.50	DRLPRO	06	A	P	SER RIG

Wins No.: 95381**NBU 1022-130-4S****API No.: 4304739480**

15:00 - 0:00	9.00	DRLPRO	02	D	P	DRILLING F/ 5576 TO 5860 = 284' = 31.5 FPH, MW 10.1 PPG TOTAL ROTATING HRS 76
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1/23/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 14:00	14.00	DRLPRO	02	D	P	DRILLING F/ 5860 TO 6255 - 395' = 28.2 FPH W/ 10.1 PPG
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14:00 - 14:30	0.50	DRLPRO	06	A	P	SER RIG
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14:30 - 15:00	0.50	DRLPRO	07	A	Z	REPAIR ROTARY CHAIN
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15:00 - 0:00	9.00	DRLPRO	02	D	P	DRILLING F/ 6255 TO 6483'. 228' @ 25.3 44VIS / 10.3 MW
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1/24/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 10:00	10.00	DRLPRO	02	D	P	DRILLING F/ 6483 TO 6874 - 391' @ 39.1 FPH W/ 10.5 PPG
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10:00 - 17:00	7.00	DRLPRO	05	A	P	T.F.N..B & MUD MOTOR
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17:00 - 19:00	2.00	DRLPRO	05	K	P	STOP FILL D.P & HAD PLUG JETS IN BIT TRY FREE STILL PLUGGED 75%
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19:00 - 23:00	4.00	DRLPRO	05	K	P	T.O.H & LAYDOWN BAD MOTOR, MOTOR LOCKED UP TIGHT
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23:00 - 0:00	1.00	DRLPRO	05	K	P	PICK UP NEW MOTOR,CHECK FLOAT,BIT & MWD TOOLS.TIH
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1/25/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 3:30	3.50	DRLPRO	05	I	P	C/O MUD MOTOR & T.I.H & WASH 90' TO BTM
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3:30 - 10:00	6.50	DRLPRO	02	D	P	DRILLING F/ 6874 TO 7120 - 246' @ 37.8 FPH W/ 10.6 PPG
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10:00 - 11:00	1.00	DRLPRO	07	A	Z	REPAIR LOW DRUM CHAIN
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11:00 - 13:30	2.50	DRLPRO	02	D	P	DRILLING F/ 7120 TO 7242 - 122' @ 48.8 FPH W/ 10.7 PG
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13:30 - 14:00	0.50	DRLPRO	06	A	P	SER RIG
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14:00 - 0:00	10.00	DRLPRO	02	D	P	DRILLING F/ 7242 TO 7575 - 333' @ 33.3 FPH W/ 10.9 PPG
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Wins No.: 95381

NBU 1022-130-4S

API No.: 4304739480

1/26/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 15:00	15.00	DRLPRO	02	D	P	DRILLING F/ 7575 TO 8072 - 497' @ 33.1 FPH W/ 11.2 PPG
15:00 - 15:30	0.50	DRLPRO	06	A	P	RIG SER
15:30 - 0:00	8.50	DRLPRO	02	D	P	DRILLING F/ 8072 TO 8330'. 258' @30.3 FT/HR

1/27/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 8:30	8.50	DRLPRO	02	D	P	DRILLING F/ 8330 TO 8605 - 275' @ 32.3 FPH W/ 11.9 PPG
8:30 - 9:30	1.00	DRLPRO	04	C	P	CIRC BTM UP
9:30 - 18:00	8.50	DRLPRO	05	E	P	T.O.H & L/D DIR TOOLS & T.I.H
18:00 - 19:30	1.50	DRLPRO	03	E	P	WASH & REAM 75' TO BOTTOM. NO FILL.
19:30 - 20:30	1.00	DRLPRO	04	C	P	CIRCULATE, MIX & PUMP PILL.
20:30 - 0:00	3.50	DRLPRO	05	B	P	TOOH TO RUN LOGGS.

1/28/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 1:00	1.00	DRLPRO	05	B	P	TOOH F/ LOGGS
1:00 - 10:00	9.00	DRLPRO	08	F	P	LOGGING W/ TRIPLE COMBO & LOGGERS DEPTH @ 8,580
10:00 - 13:30	3.50	DRLPRO	05	E	P	T.I.H
13:30 - 15:00	1.50	DRLPRO	04	C	P	CIRC BTM UP
15:00 - 21:30	6.50	DRLPRO	05	D	P	L.D.D.P
21:30 - 0:00	2.50	DRLPRO	11	B	P	SAFETY MEETING, RIG UP CALIBER & RUN 4.5 PRODUCTION CSG

1/29/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 5:30	5.50	DRLPRO	11	B	P	RUN 4.5 PRODUCTION CSG
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Wins No.: 95381

NBU 1022-130-4S

API No.: 4304739480

5:30 - 9:00	3.50	DRLPRO	04	A	P	RIG UP CIRC SWEDGE & CIRC W/ RIG PUMP
9:00 - 11:30	2.50	DRLPRO	15	A	P	CEMENT 4 1/2 CASING & GOT BACK 43 BBLS GOOD CEMENT TO PIT
11:30 - 13:00	1.50	DRLPRO	13	A	P	NIPPLE DOWN & SET SLIPS W/ 85K STRING WT.
13:00 - 17:00	4.00	DRLPRO	08	E	P	CLEAN & WASH OUT MUD TANKS
17:00 - 0:00	7.00	DRLPRO	01	C	P	R/D & RELEASED RIG @ 17:00 HRS 1-29-2008 (WILL BE SKIDDING THIS AM W/ R.W JONES.)

Wins No.: 95381

NBU 1022-130-4S

API No.: 4304739480

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION
 OBJECTIVE: DEVELOPMENT
 OBJECTIVE 2: ORIGINAL
 REASON: WHR PAD#1 - MV

START DATE: 5/5/2008
 END DATE:
 DATE WELL STARTED PROD.:
 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
5/5/2008							
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	<p>PRIME UP PUMPS & LINES. PRESSURE TEST TO 8,500 PSI. STG 1) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. PERFORATE 8,494' - 8,500' 4 SPF, 8,431' - 34' 4 SPF, 8,393' - 95' 4SPF, 44 HOLES. RUN TRACER (192 GRM CFT 2000) IN ALL FLUID. WHP 440 PSI, BRK 3,601 PSI @ 3.0 BPM, ISIP 2,278 PSI, FG .71. PUMP 100 BBLS @ 52.4 BPM @ 4,700 PSI = 30 OF 44 HOLES OPEN 69%. MP 6,397 PSI, MR 53 BPM, AP 4,586 PSI, AR 52.3 BPM, ISIP 2,550 PSI, FG .74, NPI 272 PSI. PUMP 1,424 BBLS OF SLK WATER & 47,176 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 47,176 LBS.</p> <p>STG 2) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET BAKER 8K CBP @ 8,298' & PERFORATE 8,264' - 68' 4 SPF, 8,429' - 51' 4 SPF, 8,195' - 97' 4 SPF, 8,180' - 82' 4SPF, 40 HOLES. RUN TRACER (101 GRM CFT 2100) IN ALL FLUID. WHP 2,100 PSI, BRK 2,631 PSI @ 2.5 BPM, ISIP 2,372 PSI, FG .73. PUMP 100 BBLS @ 51 BPM @ 5,200 PSI = 30 OF 40 HOLES OPEN 69%. MP 5,488 PSI, MR 51.9 BPM, AP 4,625 PSI, AR 51 BPM, ISIP 2,590 PSI, FG .75, NPI 218 PSI. PUMP 785 BBLS OF SLK WATER & 19,765 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 24,765 LBS.</p> <p>STG 3) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET BAKER 8K CBP @ 8,098' & PERFORATE 8,060' - 68' 4 SPF, 7,954' - 56' 4 SPF, 40 HOLES. RUN TRACER (289 GRM CFT 1100) IN ALL FLUID. WHP 2,150 PSI, BRK 2,897 PSI @ 2.0 BPM, ISIP 2,401 PSI, FG .74. PUMP 100 BBLS @ 52.1 BPM @ 5,200 PSI = 36 OF 40 HOLES OPEN 91%. MP 5,332 PSI, MR 52.5 BPM, AP 4,848 PSI, AR 52 BPM, ISIP 3,012 PSI, FG .82, NPI 611 PSI. PUMP 1,962 BBLS OF SLK WATER & 66,161 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 71,161 LBS.</p> <p>STG 4) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET BAKER 8K CBP @ 7,630' & PERFORATE 7,594' - 00' 4 SPF, 7,508' - 10' 4 SPF, 7,464' - 67' 4 SPF, 40 HOLES. RUN TRACER (427 GRM CFT 1200) IN ALL FLUID. WHP 1,420 PSI, BRK 2,733 PSI @ 3.3 BPM, ISIP 1,846 PSI, FG .69. PUMP 100 BBLS @ 50.3 BPM @ 4,200 PSI = 40 OF 40 HOLES OPEN 100%. MP 5,995 PSI, MR 50.5 BPM, AP 4,331 PSI, AR 50.3 BPM, ISIP 2,428 PSI, FG .76, NPI 582 PSI. PUMP 2,833 BBLS OF SLK WATER & 100,121 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 105,121 LBS. SWI SDFN</p>

5/6/2008

SUPERVISOR: DOUG CHIVERS

	7:00 - 7:30	0.50	COMP	48		P	HSM. FRACING & PERFORATING
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Wins No.: 95381

NBU 1022-130-4S

API No.: 4304739480

7:30 - 18:00	10.50	COMP	36	B	P	STG 5) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET BAKER 8K CBP @ 7,362' & PERFORATE 7,327' - 32' 4 SPF, 20 HOLES. PUMP A DFIT. WHP 0 PSI, BRK 3,350 PSI @ 4.5 BPM. STABLIZED RATE 4.7 BPM @ 2,170 PSI. PUMP 24 BBLs ISIP 2,055 PSI, FG .73. SWI SDFN
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5/7/2008

SUPERVISOR: DOUG CHIVERS

7:00 - 7:30	0.50	COMP	48		P	HSM. FRACING & PERFORATING
7:30 - 11:30	4.00	COMP	36	B	P	STG 5) FINISH PERFORATING AFTER DFIT. RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. PERFORATE 7,296' - 00' 3 SPF, 7,179' - 82' 4 SPF, TOTAL OF 44 HOLES. RUN TRACER (315 GRM CFT 1600) IN ALL FLUID. WHP 480 PSI, BRK 3,350 PSI @ 4.7 BPM, ISIP 2,055 PSI, FG .73. PUMP 100 BBLs @ 49.9 BPM @ 3,900 PSI = 40 OF 44 HOLES OPEN 92%. MP 5,405 PSI, MR 50 BPM, AP 3,770 PSI, AR 49 BPM, ISIP 2,389 PSI, FG .77, NPI 334 PSI. PUMP 2,102 BBLs OF SLK WATER & 72,600 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 77,600 LBS. STG 6) PU 4 1/2" CBP RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET 8K BAKER CBP @ 7,088' PERFORATE 7,052' - 58' 4 SPF, 24 HOLES. SET UP FOR A IFIT. WHP 450 PSI, BRK 2,434 PSI @ 2.8 BPM, ISIP 1,685 PSI, FG .68, 5 MINUTE 1,025 PSI, 10 MINUTE 930 PSI, 15 MINUTE 693 PSI. PERF 7,026' - 32' 3 SPF, TOTAL OF 42 HOLES. RUN TRACER (315 GRM CFT 1600) IN ALL FLUID. PUMP 100 BBLs @ 50.4 BPM @ 3,600 PSI = 32 OF 42 HOLES OPEN 100%. MP 4,151 PSI, MR 51.5 BPM, AP 3,680 PSI, AR 50.3 BPM, ISIP 2,407 PSI, FG .78, NPI 722 PSI. PUMP 2,793 BBLs OF SLK WATER & 98,867 LBS OF 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 103,867 LBS. KILL PLG) PU 4 1/2" 8K BAKER CBP RIH SET CBP @ 6,976'. STIM COMPLETE SWI WAIT ON DRILL OUT.

5/14/2008

SUPERVISOR: GARTH McCONKIE

7:00 - 7:30	0.50	COMP	48		P	DAY 4 - JSA & SM #4
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Wins No.: 95381

NBU 1022-130-4S

API No.: 4304739480

7:30 - 7:30 0.00 COMP 31

MIRU RIG, SPOT EQUIP. OPEN WELL, 0 PSI. ND FRAC VALVES, NUBOP. R/U FLOOR & TBG EQUIP. PREP & TALLY TBG.

P/U 3 7/8" BIT, POBS & SN. RIH ON NEW 2 3/8" L80 TBG & TAG CBP #1 @ 6976'.

R/U PWR SWWL & PMP. P.T. BOP TO 3000 PSI. EST. CIRC. W/2% KCL WTR.

CBP #1) DRLG OUT BAKER 8K CBP @ 6976' IN 8 MIN. 200 LBS DIFF. PSI. RIH, TAG SND @ 7058'. C/O 30' OF SND. FCP = 100 PSI.

CBP #2) DRLG OUT BAKER 8K CBP @ 7088' IN 10 MIN. 200 LBS DIFF. PSI. RIH, TAG SND @ 7332'. C/O 30' OF SND. FCP = 100 PSI.

CBP #3) DRLG OUT BAKER 8K CBP @ 7362' IN 11 MIN. 500 LBS DIFF. PSI. RIH, TAG SND @ 7600'. C/O 30' OF SND. FCP = 150 PSI.

CBP #4) DRLG OUT BAKER 8K CBP @ 7630' IN 10 MIN. 200 LBS DIFF. PSI. RIH, TAG SND @ 8068'. C/O 30' OF SND. FCP = 250 PSI.

CBP #5) DRLG OUT BAKER 8K CBP @ 8098' IN 11 MIN. 300 LBS DIFF. PSI. RIH, TAG SND @ 8268'. C/O 30' OF SND. FCP = 300 PSI.

CBP #6) DRLG OUT BAKER 8K CBP @ 8298' IN 8 MIN. 300 LBS DIFF. PSI. RIH, TAG SND @ 8482'. C/O 73' OF SND. FCP = 350 PSI.

POOH & L/D 53 JTS TBG ON FLOAT, (61 JTS TOTAL). LAND TBG ON HANGER W/217 JTS NEW 2 3/8" L80 TBG. EOT @ 6870.06' + POBS & XN NIPPLE @ 6890.09'.

R/D FLOOR & TBG EQUIP. NDBOP, DROP BALL, NUWH. PMP OFF BIT @ 2000 PSI. WAIT 30 MIN. FOR BIT TO FALL TO BTM.

16:00 TURN WELL OVER TO FBC. SICP = 1350 PSI. FTP = 100 PSI. 10579 BBLS LTR.

19:00 SDFN - PREP TO RDMO IN AM.

5/15/2008

SUPERVISOR: MARK BONNIE

7:00 -

33 A

7 AM FLBK REPORT: CP 2975#, TP 1550#, 20/64" CK, 55 BWPH, MEDUIM SAND, LIGHT GAS
TTL BBLS RECOVERED: 722
BBLS LEFT TO RECOVER: 11,177

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 1022-1304S	
9. API NUMBER: 4304739480	
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7024
10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1750'FSL, 1686'FWL AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH: 460'FSL, 1925'FEL (SW/SE) 479 fsl 1850 fel	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 13 10S 22E	
12. COUNTY UINTAH	13. STATE UTAH

14. DATE SPUDED: 11/12/2007	15. DATE T.D. REACHED: 1/27/2008	16. DATE COMPLETED: 5/15/2008	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5293'GL
18. TOTAL DEPTH: MD 8,605 TVD 8,127	19. PLUG BACK T.D.: MD 8,566 TVD 8,088	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 <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (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#		2,160		585			
7 7/8"	4 1/2 I-80	11.6#		8,605		1690			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6,870							

26. PRODUCING INTERVALS					27. PERFORATION RECORD			
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	7,026	8,500			7,026 8,500	0.36	254	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WSMVD								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
7026'-8500'	PMP 11,899 BBLs SLICK H2O & 429,690# 30/50 SD

RECEIVED
JUN 18 2008

29. ENCLOSED ATTACHMENTS:

<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS	<input type="checkbox"/> GEOLOGIC REPORT	<input type="checkbox"/> DST REPORT	<input checked="" type="checkbox"/> DIRECTIONAL SURVEY
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> OTHER: _____	

PROD

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/15/2008		TEST DATE: 5/24/2008		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 0	GAS – MCF: 2,152	WATER – BBL: 360	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 1,050	CSG. PRESS. 2,500	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,152	WATER – BBL: 360	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):

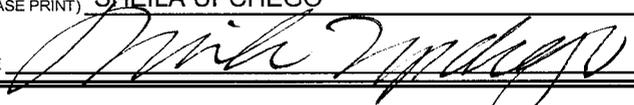
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,110 6,496	6,496			

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST
 SIGNATURE  DATE 6/16/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- 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



Weatherford[™]

Drilling Services

Completion



ANADARKO - KERR McGEE

NBU#1022-1304S

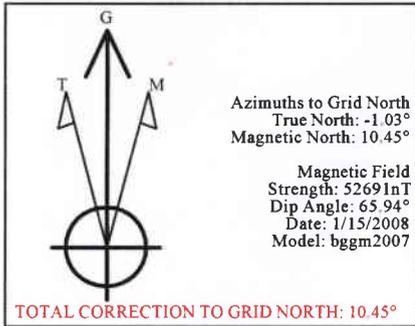
UINTAH COUNTY, UTAH

WELL FILE: 4013456C

DATE: JANUARY 29, 2008

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



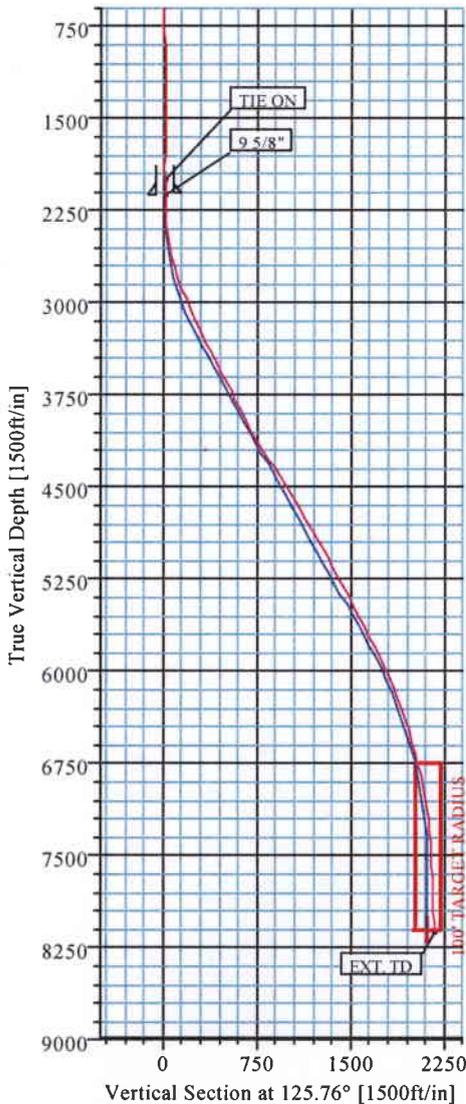
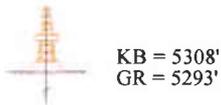
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
NBU 1022-1304S	0.00	0.00	14510602.60	2091339.10	39°56'47.142N	109°23'28.291W	N/A

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	3948.00	4081.55	WASATCH
2	6166.00	6605.18	MESAVERDE

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: bggm2007	
System Datum: Mean Sea Level	
Local North: Grid North	

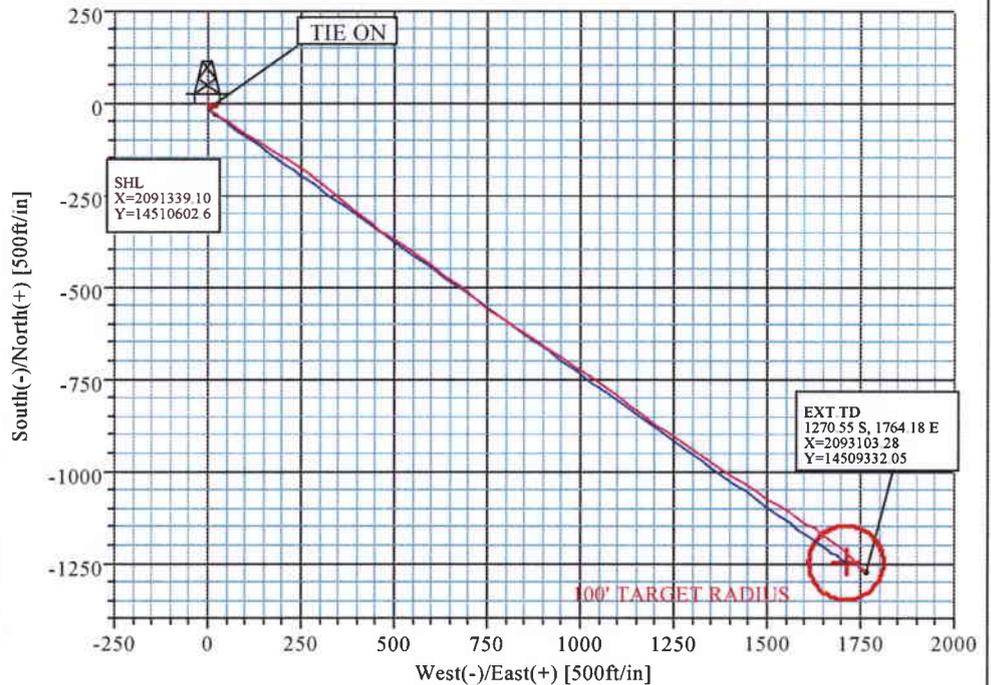
CASING DETAILS				
No.	TVD	MD	Name	Size
1	2117.22	2118.00	9 5/8"	9.62

TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
PBHL	8110.00	-1246.93	1711.79	Circle (Radius: 100)



LEGEND	
	NBU 1022-1304S,1,GYRO
	NBU 1022-1304S,1,plan #4
	WFT SVY

Survey: WFT SVY (NBU 1022-1304S/1)										
No.	MD	Inc	Az	TVD	+N/-S EXT TD	+E/-W	DLeg	TFace	VSec	
75	8605.00	2.39	119.70	8127.53	-1270.55	1764.18	0.00	0.00	2174.08	



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SURVEY REPORT - GEOGRAPHIC

Company: Anadarko-Kerr-McGee	Date: 1/29/2008	Time: 09:21:33	Page: 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU #1022-13O4S, Grid North	
Site: NBU #1022-13O4S	Vertical (TVD) Reference:	SITE 5308.0	
Well: NBU 1022-13O4S	Section (VS) Reference:	Well (0.00N,0.00E,125.76Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey: WFT SVY	Start Date:	1/21/2008
Company: WEATHERFORD DRILLING SERVICES	Engineer:	RUSSELL JOYNER
Tool: MWD;MWD - Standard	Tied-to:	From: GYRO

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:	bggm2007

Site: NBU #1022-13O4S

Site Position:	Northing: 14510602.60 ft	Latitude: 39 56 47.142 N	
From: Map	Easting: 2091339.10 ft	Longitude: 109 23 28.291 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 5293.00 ft		Grid Convergence: 1.03 deg	

Well: NBU 1022-13O4S **Slot Name:**

Well Position:	+N/-S 0.00 ft	Northing: 14510602.60 ft	Latitude: 39 56 47.142 N
	+E/-W 0.00 ft	Easting: 2091339.10 ft	Longitude: 109 23 28.291 W
Position Uncertainty:	0.00 ft		

Wellpath: 1

Current Datum: SITE	Height 5308.00 ft	Drilled From: Surface	Tie-on Depth: 0.00 ft
Magnetic Data: 1/15/2008		Above System Datum:	Mean Sea Level
Field Strength: 52691 nT		Declination:	11.48 deg
Vertical Section: Depth From (TVD)	+N/-S ft	Mag Dip Angle:	65.94 deg
ft	ft	+E/-W ft	Direction deg
0.00	0.00	0.00	125.76

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	
2000.00	1.75	198.85	1999.26	-13.49	5.82	0.00	12.61	14510589.11	2091344.92	TIE ON 9 5/8"
2118.00	1.27	168.38	2117.22	-16.48	5.50	0.78	14.09	14510586.12	2091344.60	
2192.00	1.25	141.95	2191.20	-17.92	6.16	0.78	15.47	14510584.68	2091345.26	
2223.00	1.44	149.20	2222.19	-18.52	6.57	0.82	16.16	14510584.08	2091345.67	
2254.00	2.44	145.70	2253.17	-19.40	7.14	3.25	17.13	14510583.20	2091346.24	
2348.00	4.88	129.95	2346.98	-23.62	11.34	2.78	23.00	14510578.98	2091350.44	
2440.00	8.69	123.95	2438.32	-30.02	20.11	4.21	33.86	14510572.58	2091359.21	
2533.00	11.19	124.45	2529.91	-39.04	33.38	2.69	49.90	14510563.56	2091372.48	
2626.00	14.94	123.33	2620.49	-50.74	50.84	4.04	70.91	14510551.86	2091389.94	
2719.00	15.31	121.58	2710.27	-63.76	71.32	0.63	95.13	14510538.84	2091410.42	
2811.00	18.44	121.70	2798.30	-77.77	94.05	3.40	121.77	14510524.83	2091433.15	
2903.00	20.19	121.83	2885.11	-93.79	119.92	1.90	152.12	14510508.81	2091459.02	
2995.00	22.56	123.20	2970.78	-111.83	148.18	2.63	185.59	14510490.77	2091487.28	
3088.00	24.06	122.20	3056.19	-131.70	179.15	1.67	222.34	14510470.90	2091518.25	
3181.00	24.69	122.70	3140.90	-152.29	211.54	0.71	260.66	14510450.31	2091550.64	
3273.00	24.50	122.95	3224.55	-173.05	243.71	0.24	298.90	14510429.55	2091582.81	
3366.00	25.63	129.45	3308.81	-196.32	275.44	3.20	338.24	14510406.28	2091614.54	
3397.00	26.19	129.45	3336.69	-204.93	285.89	1.81	351.76	14510397.67	2091624.99	
3458.00	26.63	125.83	3391.33	-221.49	307.37	2.74	378.86	14510381.11	2091646.47	
3551.00	25.88	127.70	3474.74	-246.10	340.33	1.20	419.99	14510356.50	2091679.43	
3642.00	26.13	131.45	3556.53	-271.51	371.07	1.83	459.78	14510331.09	2091710.17	
3734.00	28.81	128.58	3638.15	-298.75	403.59	3.25	502.09	14510303.85	2091742.69	
3827.00	27.63	128.08	3720.10	-326.03	438.08	1.29	546.02	14510276.57	2091777.18	
3889.00	27.38	126.33	3775.09	-343.34	460.89	1.36	574.64	14510259.26	2091799.99	

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SURVEY REPORT - GEOGRAPHIC

Company: Anadarko-Kerr-McGee	Date: 1/29/2008	Time: 09:21:33	Page: 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU #1022-13O4S, Grid North	
Site: NBU #1022-13O4S	Vertical (TVD) Reference:	SITE 5308.0	
Well: NBU 1022-13O4S	Section (VS) Reference:	Well (0.00N,0.00E,125.76Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comme
3983.00	24.63	125.33	3859.56	-367.48	494.29	2.96	615.85	14510235.12	2091833.39	
4074.00	27.50	122.83	3941.30	-389.84	527.42	3.38	655.81	14510212.76	2091866.52	
4167.00	27.81	125.20	4023.68	-413.99	563.19	1.23	698.94	14510188.61	2091902.29	
4259.00	30.94	126.58	4103.84	-440.46	599.73	3.48	744.06	14510162.14	2091938.83	
4352.00	30.69	127.95	4183.71	-469.30	637.64	0.80	791.68	14510133.30	2091976.74	
4444.00	32.31	127.95	4262.15	-498.86	675.54	1.76	839.72	14510103.74	2092014.64	
4536.00	30.94	127.83	4340.49	-528.49	713.61	1.49	887.92	14510074.11	2092052.71	
4628.00	31.25	126.70	4419.27	-557.26	751.43	0.72	935.42	14510045.34	2092090.53	
4720.00	30.88	124.33	4498.08	-584.84	790.06	1.39	982.88	14510017.76	2092129.16	
4812.00	30.38	123.95	4577.24	-611.14	828.85	0.58	1029.74	14509991.46	2092167.95	
4905.00	30.50	124.45	4657.43	-637.63	867.82	0.30	1076.84	14509964.97	2092206.92	
4999.00	31.00	123.70	4738.21	-664.55	907.63	0.67	1124.88	14509938.05	2092246.73	
5092.00	30.69	124.58	4818.06	-691.31	947.10	0.59	1172.54	14509911.29	2092286.20	
5184.00	30.25	123.58	4897.35	-717.45	985.74	0.73	1219.17	14509885.15	2092324.84	
5276.00	29.06	123.20	4977.30	-742.51	1023.74	1.31	1264.65	14509860.09	2092362.84	
5369.00	28.88	125.20	5058.66	-767.82	1060.99	1.06	1309.67	14509834.78	2092400.09	
5462.00	27.56	125.45	5140.61	-793.24	1096.87	1.43	1353.65	14509809.36	2092435.97	
5555.00	26.69	128.33	5223.38	-818.68	1130.78	1.69	1396.03	14509783.92	2092469.88	
5647.00	28.44	125.45	5304.94	-844.20	1164.84	2.39	1438.58	14509758.40	2092503.94	
5739.00	27.56	125.83	5386.17	-869.37	1199.94	0.98	1481.77	14509733.23	2092539.04	
5832.00	27.44	125.20	5468.66	-894.31	1234.90	0.34	1524.71	14509708.29	2092574.00	
5925.00	26.94	124.08	5551.39	-918.47	1269.86	0.77	1567.20	14509684.13	2092608.96	
6018.00	27.56	123.95	5634.06	-942.29	1305.15	0.67	1609.76	14509660.31	2092644.25	
6111.00	27.25	123.95	5716.63	-966.20	1340.66	0.33	1652.54	14509636.40	2092679.76	
6203.00	26.06	123.45	5798.85	-989.10	1374.99	1.32	1693.79	14509613.50	2092714.09	
6296.00	25.00	123.33	5882.77	-1011.16	1408.46	1.14	1733.84	14509591.44	2092747.56	
6389.00	24.31	123.33	5967.29	-1032.47	1440.87	0.74	1772.60	14509570.13	2092779.97	
6483.00	23.19	124.33	6053.33	-1053.54	1472.32	1.27	1810.43	14509549.06	2092811.42	
6576.00	22.63	123.95	6138.99	-1073.86	1502.29	0.62	1846.62	14509528.74	2092841.39	
6668.00	20.13	121.08	6224.65	-1091.92	1530.53	2.95	1880.10	14509510.68	2092869.63	
6761.00	20.00	121.45	6312.01	-1108.48	1557.81	0.20	1911.90	14509494.12	2092896.91	
6853.00	18.38	123.58	6398.90	-1124.71	1583.32	1.92	1942.09	14509477.89	2092922.42	
6944.00	17.63	123.95	6485.44	-1140.35	1606.70	0.83	1970.20	14509462.25	2092945.80	
7037.00	15.50	127.08	6574.58	-1155.71	1628.30	2.48	1996.70	14509446.89	2092967.40	
7129.00	14.96	127.07	6663.34	-1170.27	1647.58	0.59	2020.86	14509432.33	2092986.68	
7220.00	13.19	123.83	6751.61	-1183.14	1665.58	2.13	2042.98	14509419.46	2093004.68	
7313.00	11.81	127.08	6842.40	-1194.78	1681.99	1.66	2063.10	14509407.82	2093021.09	
7403.00	10.63	127.58	6930.68	-1205.40	1695.91	1.32	2080.61	14509397.20	2093035.01	
7495.00	9.75	130.70	7021.23	-1215.65	1708.54	1.13	2096.85	14509386.95	2093047.64	
7588.00	8.19	131.95	7113.09	-1225.22	1719.44	1.69	2111.28	14509377.38	2093058.54	
7681.00	7.25	138.08	7205.25	-1234.01	1728.29	1.34	2123.60	14509368.59	2093067.39	
7775.00	5.38	142.70	7298.67	-1241.93	1734.92	2.06	2133.62	14509360.67	2093074.02	
7867.00	4.25	144.45	7390.35	-1248.14	1739.52	1.24	2140.97	14509354.46	2093078.62	
7958.00	3.69	144.70	7481.13	-1253.27	1743.17	0.62	2146.93	14509349.33	2093082.27	
8050.00	2.44	146.08	7573.00	-1257.31	1745.97	1.36	2151.57	14509345.29	2093085.07	
8143.00	2.13	129.33	7665.92	-1260.05	1748.42	0.79	2155.15	14509342.55	2093087.52	
8236.00	2.38	130.95	7758.85	-1262.41	1751.21	0.28	2158.80	14509340.19	2093090.31	
8329.00	2.38	122.83	7851.77	-1264.72	1754.29	0.36	2162.65	14509337.88	2093093.39	
8421.00	2.38	119.58	7943.69	-1266.70	1757.56	0.15	2166.46	14509335.90	2093096.66	
8514.00	2.38	121.08	8036.61	-1268.65	1760.89	0.07	2170.30	14509333.95	2093099.99	
8553.00	2.39	119.70	8075.58	-1269.47	1762.29	0.15	2171.92	14509333.13	2093101.39	
8605.00	2.39	119.70	8127.53	-1270.55	1764.18	0.00	2174.08	14509332.05	2093103.28	EXT. TD



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SURVEY REPORT - GEOGRAPHIC



Company: Anadarko-Kerr-McGee	Date: 1/29/2008	Time: 09:21:33	Page: 3
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU #1022-13O4S, Grid North	
Site: NBU #1022-13O4S	Vertical (TVD) Reference:	SITE 5308.0	
Well: NBU 1022-13O4S	Section (VS) Reference:	Well (0.00N,0.00E,125.76Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
	0.00	GREEN RIVER		0.00	0.00
4081.55	3948.00	WASATCH		0.00	0.00
6605.18	6166.00	MESAVERDE		0.00	0.00

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-1304S
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047394800000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1750 FSL 1686 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 13 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/9/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 THIS WELL RETURNED TO PRODUCTION ON 11/09/2009.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 December 07, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/3/2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-08512-ST
SUNDRY NOTICES AND REPORTS ON WELLS		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 1022-1304S
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047394800000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1750 FSL 1686 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/29/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input 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 checked="" 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.		
<p>The operator requests authorization to recomplate the subject well. The operator requests approval to recomplate the Wasatch formation and commingle with the existing Mesaverde formation. Please see the attached procedure. Thank you.</p>		
		<p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: 10/06/2011 <i>Dark K. Quist</i></p> <p>By: _____</p>
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 9/29/2011

Greater Natural Buttes Unit



NBU 1022-1304S
RE-COMPLETIONS PROCEDURE

DATE:9/19/2011
AFE#:2064454
API#:4304739480
USER ID:rachappe (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 1022-1304S
Location: SE SW SE SEC 13 T10S R22E
LAT: 39.946456 **LONG: -109.391583** **COORDINATE: NAD83 (Surface)**
Uintah County, UT
Date: 9/19/2011

ELEVATIONS: 5293' GL 5310' KB *Frac Registry TVD: 8127*

TOTAL DEPTH: 8605' **PBTD:** 8555'
SURFACE CASING: 9 5/8", 36# J-55 LT&C @ 2135'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8600'
 Marker Joint **4135-4156'**

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:

1046' Green River Top
 1302' Bird's Nest Top
 1675' Mahogany Top
 4122' Wasatch Top
 6496' Mesaverde Top

BOTTOMS:

6496' Wasatch Bottom
 8605' Mesaverde Bottom (TD)

T.O.C. @ 400'

GENERAL:

- A minimum of **5** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 1/28/2008
- **2** fracturing stages required for coverage.
- Procedure calls for **3** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Tubing Currently Landed @~6890
- Originally completed on 5/14/2008

Existing Perforations:

PERFORATIONS									
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>	<u>Reason</u>	<u>Comments</u>	<u>Producing</u>
MESA VERDE		7026	7032	3	18		PRODUCTION		Yes
MESA VERDE		7052	7058	4	24		PRODUCTION		Yes
MESA VERDE		7179	7182	4	12		PRODUCTION		Yes
MESA VERDE		7296	7300	3	12		PRODUCTION		Yes
MESA VERDE		7327	7332	4	20		PRODUCTION		Yes
MESA VERDE		7464	7467	4	12		PRODUCTION		Yes
MESA VERDE		7508	7510	4	8		PRODUCTION		Yes
MESA VERDE		7594	7600	4	24		PRODUCTION		Yes
MESA VERDE		7954	7956	4	8		PRODUCTION		Yes
MESA VERDE		8060	8068	4	32		PRODUCTION		Yes
MESA VERDE		8180	8182	4	8		PRODUCTION		Yes
MESA VERDE		8195	8197	4	8		PRODUCTION		Yes
MESA VERDE		8249	8251	4	8		PRODUCTION		Yes
MESA VERDE		8264	8268	4	16		PRODUCTION		Yes
MESA VERDE		8393	8395	4	8		PRODUCTION		Yes
MESA VERDE		8431	8434	4	12		PRODUCTION		Yes
MESA VERDE		8494	8500	4	24		PRODUCTION		Yes

Relevant History:

*Last Slickline Report shows stacked out at 5 feet. Most recent record of fluid level shows 4600; SN depth @6764.

H2S History:

NBU 1022-1304S	
Date	H2S H2S_SEPARATO R_PPM
11/1/2008	34.00
12/1/2008	16.00
1/1/2009	30.00
2/1/2009	20.00
3/1/2009	80.00
4/1/2009	140.00
5/1/2009	62.00
6/1/2009	50.00
7/1/2009	72.00
8/1/2009	8.00
9/1/2009	82.00
10/1/2009	
11/1/2009	6.00
12/1/2009	26.00
1/1/2010	70.00
2/1/2010	83.00
3/1/2010	98.00
4/1/2010	90.00

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. TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~6890'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 6398 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6398 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6348'. 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. 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 | 6312 | 6318 | 4 | 24 |
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 ~6312' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~6210'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5994 | 5996 | 4 | 8 |
| WASATCH | 6045 | 6046 | 4 | 4 |
| WASATCH | 6059 | 6060 | 4 | 4 |
| WASATCH | 6178 | 6180 | 4 | 8 |
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5994' and flush only with recycled water.
9. Set 8000 psi CBP at~5944'.
12. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
13. Mill 2 plugs and clean out to a depth of 6348'. THE WELL WILL BE COMMINGLED AT THIS TIME.
14. Land tubing at 6148', drop ball and pump open sub. Flow back completion load. RDMO
15. MIRU, POOH tbg and mill. TIH with POBS and mill.
16. Mill last plug @ 6348' clean out to PBSD at 8555'. Land tubing at ±6890' pump off bit and bit sub . This well WILL be commingled at this time.
17. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.
- 18. Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

For design questions, please call
Rachael Hill, Denver, CO
(720)-929-6599 (Office)
(303)-907-9167 (Cell)

For field implementation questions, please call
Jeff Samuels, Vernal, UT
435-781 7046 (Office)

NOTES:

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

Verify that the Braden head valve is locked OPEN.

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 BBL 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 BBL 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

Michael Sollee: 832-859-0515, 720-929-6057

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	2	stages
Last Stage Flush	3,913	gals

Service Company Supplied Chemicals - Job Totals

Friction Reducer	39	gals @	0.5	GPT
Surfactant	79	gals @	1.0	GPT
Clay Stabilizer	79	gals @	1.0	GPT
15% Hcl	500	gals @	250	gal/stg
Iron Control for acid	3	gals @	5.0	GPT of acid
Surfactant for acid	1	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	1	gals @	2.0	GPT of acid

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

Scale Inhibitor	226	gals pumped per schedule above
Biocide	39	gals @ 0.5 GPT

MD	TVD	Inc		MD	TVD	Inc
100	100	0.25		4259	4103.842	30.94
200	199.996	0.75		4352	4183.714	30.69
300	299.987	0.75		4444	4262.154	32.31
400	399.979	0.75		4536	4340.49	30.94
500	499.967	1		4628	4419.271	31.25
600	599.948	1.25		4720	4498.08	30.88
700	699.919	1.5		4812	4577.243	30.38
800	799.878	1.75		4905	4657.424	30.5
900	899.832	1.75		4999	4738.209	31
1000	999.778	2		5092	4818.055	30.69
1100	1099.718	2		5184	4897.349	30.25
1200	1199.652	2.25		5276	4977.298	29.06
1300	1299.609	1.25		5369	5058.663	28.88
1400	1399.589	1.75		5462	5140.607	27.56
1500	1499.536	2		5555	5223.381	26.69
1600	1599.475	2		5647	5304.939	28.44
1700	1699.414	2		5739	5386.169	27.56
1800	1799.354	2		5832	5468.661	27.44
1900	1899.302	1.75		5925	5551.385	26.94
2000	1999.257	1.75		6018	5634.063	27.56
2100	1999.257	0		6111	5716.626	27.25
2192	2191.2	1.25		6203	5798.847	26.06
2223	2222.192	1.44		6296	5882.765	25
2254	2253.173	2.44		6389	5967.287	24.31
2289	2288.129	3.34		6482	6052.409	23.19
2348	2346.976	4.88		6761	6311.8	20
2440	2438.315	8.69		6853	6398.686	18.38
2533	2529.912	11.19		6944	6485.229	17.63
2626	2620.489	14.94		7037	6574.366	15.5
2719	2710.268	15.31		7129	6663.135	14.96
2811	2798.295	18.44		7220	6751.4	13.19
2903	2885.113	20.19		7313	6842.195	11.81
2995	2970.78	22.56		7403	6930.473	10.63
3088	3056.187	24.06		7495	7021.022	9.75
3181	3140.897	24.69		7588	7112.882	8.19
3273	3224.55	24.5		7681	7205.039	7.25
3366	3308.806	25.63		7775	7298.465	5.38
3397	3336.69	26.19		7867	7390.139	4.25
3458	3391.327	26.63		7958	7480.921	3.69
3551	3474.734	25.88		8050	7572.787	2.44
3642	3556.526	26.13		8143	7665.714	2.13
3734	3638.15	28.81		8236	7758.642	2.38
3827	3720.094	27.63		8329	7851.562	2.38
3889	3775.087	27.38		8421	7943.483	2.38
3983	3859.563	24.63		8514	8036.403	2.38
4074	3941.301	27.5		8583	8105.343	2.39
4167	4023.68	27.81		8605	8127.324	2.4

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:
UO 08512 ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
UTU63047A

8. WELL NAME and NUMBER:
NBU 1022-1304S

9. API NUMBER:
4304739480

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

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

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPURRED: **11/12/2007**

15. DATE T.D. REACHED: **1/27/2008**

16. DATE COMPLETED: **1/9/2012**

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5293 GL

18. TOTAL DEPTH: MD **8,605** TVD **8,127**

19. PLUG BACK T.D.: MD **8,566** TVD **8,088**

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#	0	40		28			
12 1/4"	9 5/8" J-55	36#	0	2,160		585		0	
7 7/8"	4 1/2" I-80	11.6#	0	8,605		1,690		400'	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6,907							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	5,994	6,318			5,994 6,318	0.36	48	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5994 - 6318	PUMP 2020 BBLs SLICK H2O & 62,580 LBS 30/50 OTTAWA SAND 2 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
NOV 05 2012

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 1/9/2012		TEST DATE: 4/30/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 997	WATER – BBL: 0	PROD. METHOD: FLOWING
CHOKE SIZE: 24/64	TBG. PRESS. 150	CSG. PRESS. 615	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 997	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	1,046
				BIRD'S NEST	1,302
				MAHOGANY	1,675
				WASATCH	4,122
				MESAVERDE	6,496

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 5994-6318; existing perforations: Mesaverde 7026-8500. Iso plug was drilled out April 23, 2012 and zones are fully commingled. Test information is production from 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 5/25/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- 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

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 1022-130-4S RED	Wellbore No.	OH
Well Name	NBU 1022-130-4S	Wellbore Name	NBU 1022-130-4S
Report No.	1	Report Date	1/4/2012
Project	UTAH-UINTAH	Site	WHITE RIVER PAD
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	12/27/2011	End Date	
Spud Date	11/12/2007	Active Datum	RKB @5,310.00usft (above Mean Sea Level)
UWI	NBU 1022-130-4S		

1.3 General

Contractor	CASED HOLE SOLUTIONS	Job Method	PERFORATE	Supervisor	FRANK WINN
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

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

1.5 Summary

Gross Interval	5,994.0 (usft)-6,318.0 (usft)	Start Date/Time	1/4/2012 12:00AM
No. of Intervals	5	End Date/Time	1/4/2012 12:00AM
Total Shots	48	Net Perforation Interval	12.00 (usft)
Avg Shot Density	4.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

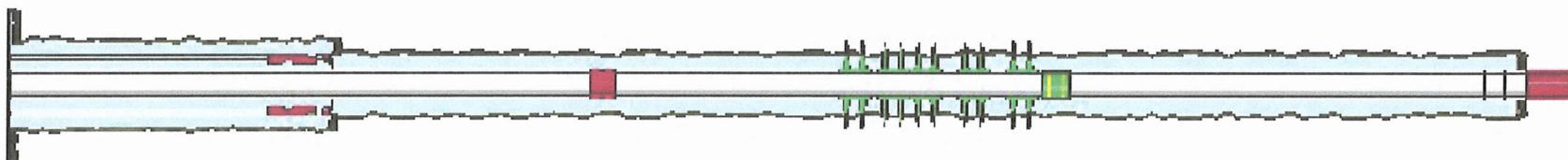
Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
1/4/2012 12:00AM	WASATCH/			5,994.0	5,996.0	4.00		0.360	EXPENDABLE/	3.125	90.00		23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
1/4/2012 12:00AM	WASATCH/			6,045.0	6,046.0	4.00		0.360	EXPENDABLE/	3.125	90.00		23.00	PRODUCTIO N	
1/4/2012 12:00AM	WASATCH/			6,059.0	6,060.0	4.00		0.360	EXPENDABLE/	3.125	90.00		23.00	PRODUCTIO N	
1/4/2012 12:00AM	WASATCH/			6,178.0	6,180.0	4.00		0.360	EXPENDABLE/	3.125	90.00		23.00	PRODUCTIO N	
1/4/2012 12:00AM	WASATCH/			6,312.0	6,318.0	4.00		0.360	EXPENDABLE/	3.125	90.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 1022-130-4S RED	Wellbore No.	OH
Well Name	NBU 1022-130-4S	Common Name	NBU 1022-130-4S
Project	UTAH-UINTAH	Site	WHITE RIVER PAD
Vertical Section	125.71 (°)	North Reference	True
Azimuth			
Origin N/S	0.0 (usft)	Origin E/W	0.0 (usft)
Spud Date	11/12/2007	UWI	NBU 1022-130-4S
Active Datum	RKB @5,310.00usft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: SURFACE GYRO

Survey Name	SURFACE GYRO	Company	MULTI-SHOT
Started	12/9/2007	Ended	1/29/2008
Tool Name	GMS	Engineer	

2.1.1 Tie On Point

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)
0.00	0.00	0.00	0.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	TFace (°)
12/9/2007	Tie On	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/9/2007	NORMAL	100.00	0.25	153.36	100.00	-0.20	0.10	0.19	0.25	0.25	0.00	153.36
	NORMAL	200.00	0.75	125.33	200.00	-0.77	0.73	1.04	0.54	0.50	-28.03	-40.54
	NORMAL	300.00	0.75	115.31	299.99	-1.43	1.86	2.34	0.13	0.00	-10.02	-95.01
	NORMAL	400.00	0.75	123.29	399.98	-2.07	2.99	3.64	0.10	0.00	7.98	93.99
	NORMAL	500.00	1.00	120.27	499.97	-2.86	4.29	5.16	0.25	0.25	-3.02	-11.96
	NORMAL	600.00	1.25	122.25	599.95	-3.89	5.97	7.12	0.25	0.25	1.98	9.83
	NORMAL	700.00	1.50	124.23	699.92	-5.21	7.98	9.51	0.25	0.25	1.98	11.75
	NORMAL	800.00	1.75	123.22	799.88	-6.78	10.33	12.35	0.25	0.25	-1.01	-7.04
	NORMAL	900.00	1.75	122.20	899.83	-8.43	12.90	15.40	0.03	0.00	-1.02	-90.51
	NORMAL	1,000.00	2.00	121.08	999.78	-10.14	15.69	18.66	0.25	0.25	-1.12	-8.90
	NORMAL	1,100.00	2.00	101.05	1,099.72	-11.38	18.90	21.99	0.70	0.00	-20.03	-100.01
	NORMAL	1,200.00	2.25	76.02	1,199.65	-11.24	22.52	24.84	0.95	0.25	-25.03	-87.66
	NORMAL	1,300.00	1.25	23.01	1,299.61	-9.76	24.85	25.87	1.80	-1.00	-53.01	-146.31
	NORMAL	1,400.00	1.75	275.99	1,399.59	-8.60	23.75	24.31	2.43	0.50	-107.02	-136.47
	NORMAL	1,500.00	2.00	273.97	1,499.54	-8.32	20.50	21.50	0.26	0.25	-2.02	-15.82
	NORMAL	1,600.00	2.00	266.95	1,599.47	-8.29	17.01	18.65	0.24	0.00	-7.02	-93.51
	NORMAL	1,700.00	2.00	265.93	1,699.41	-8.50	13.53	15.95	0.04	0.00	-1.02	-90.51
	NORMAL	1,800.00	2.00	246.88	1,799.35	-9.31	10.18	13.71	0.66	0.00	-19.05	-99.52

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-130-4S RED

Spud Date: 11/12/2007

Project: UTAH-UINTAH

Site: WHITE RIVER PAD

Rig Name No: MILES 3/3

Event: RECOMPL/RESEREVEADD

Start Date: 12/27/2011

End Date:

Active Datum: RKB @5,310.00usft (above Mean Sea Level)

UWI: NBU 1022-130-4S

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
12/27/2011	7:00 - 11:30	4.50	COMP	30	A	P		RIG HARD TO START. ROAD RIG FROM NBU 921-8C TO LOCATION.
	11:30 - 15:00	3.50	COMP	30	A	P		WAIT FOR DELSCO TO PULL PLUNGER. SPOT AND RUSU. PMP 20 BBLS DOWN TBG. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. SPOT TBG TRAILERS.
	15:00 - 17:30	2.50	COMP	31	I	P		PMP 30 BBLS DOWN CSG. UNLAND HANGER. RU B&C. START POOH AS SCAN TBG. DOING MORE RESEARCH FOUND THAT PLAT WAS WRONG. 1 WELL HAS BEEN P&A'D. THIS WELL IS THE 1022-13K-3T. RD B&C. RUN BACK IN W/ TBG. RELAND HANGER. ND BOP. NU WH. RDSU.
12/28/2011	7:00 - 7:30	0.50	COMP	48		P		JSA- RUSU. ND/NU. DELSCO ATTEMPTING TO FISH PLUNGER. SETTING DOWN HIGH. RD DELSCO.
	7:30 - 10:00	2.50	COMP	30	A	P		SPOT AND RUSU. ND WH. NU BOP. RU FLOOR. UNLAND TBG HANGER. RU B&C.
	10:00 - 13:30	3.50	COMP	31	I	P		SCAN AND LD AS POOH W/ 217-JTS 2-3/8" L-80 TBG. (HAD 134-YELLOW, 29-RED OUT WHEN B&C SHORTED OUT. BTM 54-JTS NOT INSPECTED. LD TBI)
	13:30 - 17:30	4.00	COMP	34	I			RU CASED HOLE SOLUTIONS. RIH W/ 3.625" GR/JB TO 6360'. RIH AND SET 4-1/2" CIBP AT 6348'. POOH AND RD EWL. RD FLOOR. ND BOP. NU FRAC VALVES. FILL CSG W/ 75 BBLS. ATTEMPT TO PRES TEST. CSG VALVES LEAKING AT 1000#. RDSU.
12/29/2011	9:00 - 10:30	1.50	COMP	47	C	X		MOVE OVER AND RUSU ON 130-2S. SDFN REPLACE 2- CSG VALVES ON TBG HEAD.
1/4/2012	9:00 - 10:00	1.00	COMP	33	C	P		RU B&C.
								PRES TO 1102# FOR 15 MIN. END AT 1089#. LOST 13#.
								PRES TO 3600# FOR 15 MIN. END AT 3576#. LOST 24#.
								PRES TO 6233# FOR 30 MIN. END AT 6183#. LOST 50#.
1/5/2012	7:00 - 15:00	8.00	COMP	37	B	P		BLEED OFF. RD B&C.
								PERF STG 1) PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER DESIGN. POOH. SWIFN.
1/6/2012	6:45 - 7:00	0.25	COMP	48		P		HSM. HIGH PSI LINES.

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-130-4S RED

Spud Date: 11/12/2007

Project: UTAH-UINTAH

Site: WHITE RIVER PAD

Rig Name No: MILES 3/3

Event: RECOMPL/RESEREVEADD

Start Date: 12/27/2011

End Date:

Active Datum: RKB @5,310.00usft (above Mean Sea Level)

UWI: NBU 1022-130-4S

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 18:00	11.00	COMP	36	B	P		<p>FRAC STG 1)WHP 430 PSI, BRK 2960 PSI @ 6.0 BPM. ISIP 1800 PSI, FG .72. CALC PERFS OPEN @ 50.2 BPM @ 4900 PSI = 81% HOLES OPEN. ISIP 2570 PSI, FG .84, NPI 770 PSI. MP 5401 PSI, MR 51.1 BPM, AP 3555 PSI, AR 43.5 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 @ 6210' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STAGE 2# WHP 580 PSI, BRK 2808 PSI @ 6.5 BPM. ISIP 1520 PSI, FG .68. CALC PERFS OPEN @ 6.5 BPM @ 2802 PSI = 88% HOLES OPEN. ISIP 1810 PSI, FG .73, NPI 290 PSI. MP 4795 PSI, MR 52 BPM, AP 3795 PSI, AR 51.9 BPM, PUMPED 30/50 OWATTA SAND.</p> <p>RIH SET CBP @ 5994</p> <p>TOTAL SAND = 62,580# TOTAL CLEAN = 2020 BBLs SAFETY = JSA</p>
1/9/2012	7:00 - 7:15	0.25	COMP	48		P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-130-4S RED Spud Date: 11/12/2007

Project: UTAH-UINTAH Site: WHITE RIVER PAD Rig Name No: MILES 3/3

Event: RECOMPL/RESEREVEADD Start Date: 12/27/2011 End Date:

Active Datum: RKB @5,310.00usft (above Mean Sea Level) UWI: NBU 1022-130-4S

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 19:00	11.75	COMP	30		P		<p>SICP=0#. MIRU. NDFV. NUBOP. TEST BOP'S GOOD @ 3000#. P/U & RIH W/ 3-7/8" MILL + PUMP OPEN BIT SUB + XN + 191 JTS 2-3/8" J-55 4.7# Y-BND TBNG. T/U ON KILL CBP @ 5994'. R/U SWIVEL + PUMP LINES. BREAK CIRC.</p> <p>CBP #1) DRLG OUT BAKER 8K CBP @ 5994' IN 10 MIN. 200 LBS DIFF. PSI. RIH, TAG SND @ 6190'. C/O 20' OF SND. FCP = 100 PSI.</p> <p>CBP #2) DRLG OUT BAKER 8K CBP @ 6210' IN 10 MIN. 300 LBS DIFF. PSI. RIH, TAG SND @ 6320'. C/O 28' OF SND. FCP = 200 PSI.</p> <p>WASH DOWN TO ISOLATION CBP @6348' W/ BHA + 202 JTS. 2-3/8" J-55 TBNG. CIRC BOTTOMS UP. L/D 7 JTS. LAND WELL ON HANGER W/ 195 JTS 2-3/8" J-55 Y-BND + MILL + PUMP OPEN SUB + XN. EOT@ 6154.45'.</p> <p>NDBOP. NUWH. DROP BALL & PUMP OPEN BIT SUB @ 900#. MIRU B&C + TEST SURFACE EQUIP TO THE HAL SEPERATOR @ 2000#. PRESSURE LEAKED OFF W/ NO VISIBLE SURFACE LEAKS. TBNG MASTER VALVE IS LEAKING. SPOKE W/ SUPERVISOR & WAS CLEARED TO FLOW BACK WELL. TURN WELL OVER TO FLOWBACK CREW. SDFN.</p> <p>NOTE: WELL FLOWING W/ SICP @850# FTP@ 350# AND CLIMBING. WATER RECOV =275 BBLS. TWLTR = +/- 1700 BBLS</p>
	19:00 - 19:00	0.00	PROD	50				WELL TURNED TO SALES @ 1900 HR ON 1/9/12 - 567 MCFD, 1440 BWPD, FCP 850#, FTP 180#, 20/64
1/11/2012	7:00 -		PROD	50				WELL IP'D ON 1/11/12 - 2147 MCFD, 0 BOPD, 53 BWPD, CP 700 #, FTP 183#, CK 24/64", LP 104#, 24 HRS

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-130-4S RED

Spud Date: 11/12/2007

Project: UTAH-UINTAH

Site: WHITE RIVER PAD

Rig Name No: ROCKY MOUNTAIN WELL SERVICE
3/3

Event: WELL WORK EXPENSE

Start Date: 4/12/2012

End Date: 4/24/2012

Active Datum: RKB @5,310.00usft (above Mean Sea Level)

UWI: NBU 1022-130-4S

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/20/2012	7:00 - 7:15	0.25	COMP	48		P		HSM - JSA
	7:15 - 15:00	7.75	COMP	31	I	P		MIRU, COTROL WELL W/ 30 BBLS TMAC, NDWH, NUBOP, POOH W/ 195 JTS TBG, L/D PUMP OPEN BIT SUB, P/U 3 7/8" BIT, POBS & USED XN SEAT NIPPLE, RIH W/ 195 JTS TBG, P/U 7 JTS OFF FLOAT TAG FILL @ 6,309', R/U PWR SWIVEL, SWFWE
4/23/2012	7:00 - 7:15	0.25	COMP	48		P		HSM - JSA
	7:15 - 19:00	11.75	COMP	44	C	P		SITP 0 PSI, SICP 550 PSI, OPEN WELL, R/U WEATHERFORD FOAM UNIT BREAK CIRC, C/O 40' SAND TAG ISO PLUG @ 6,349', D/O CIBP IN 90 MIN, 300 PSI INCREASE, FCP 250 PSI, RIH TAG FILL @ 7,237' C/O TO 7,440' BREAK FREE RIH TAG FILL @ 7,720' C/O TO 7,765' BREAK FREE RIH TO 8,335' C/O TO 8,352' BREAK FREE RIH TO 8,472' C/O TO 8,516' TAG OLD POBS, 16' BELOW BTM PERF, CIRC WELL CLEAN, R/D FOAM UNIT & PWR SWIVEL, POOH L/D 28 JTS ON FLOAT REMOVE STRING FLOAT L/D 24 MORE JTS ON FLOAT, SWIFN
4/24/2012	7:00 - 7:15	0.25	COMP	48		P		HSM - JSA
	7:15 - 9:00	1.75	COMP	30	C	P		SICP 850 PSI, SITP 0 PSI, LAND TBG, R/D FLOOR & TBG EQUIP, NDBOP, NUWH, PUMP OFF BIT SUB @ 2,600 PSI, RDMO, TURN OVER TO PROD
								KB - 17' HANGER - .83' 219 JTS 2 3/8" J-55 - 6886.83' POBS - 2.20' EOT @ 6,906.86'
								TWTR = 360 BBLS TWR = 396 BBLS TWLTR = 0 BBLS

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 1022-13O4S
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047394800000
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: 1750 FSL 1686 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 1022-13O4S 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