

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER NBU 1022-12J4CS
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UT ST UO 01997-A ST	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		13. NAME OF SURFACE OWNER (if box 12 = 'fee')
14. SURFACE OWNER PHONE (if box 12 = 'fee')		15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')
18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1240 FSL 2341 FEL	SWSE	12	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	1409 FSL 1817 FEL	NWSE	12	10.0 S	22.0 E	S
At Total Depth	1409 FSL 1817 FEL	NWSE	12	10.0 S	22.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1409	23. NUMBER OF ACRES IN DRILLING UNIT 1674
24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 649	25. PROPOSED DEPTH MD: 8472 TVD: 8410	
26. ELEVATION - GROUND LEVEL 5240	27. BOND NUMBER 22013542	28. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2160	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 8472	11.6	I-80 LT&C	12.5	Premium Lite High Strength	270	3.38	11.0
							50/50 Poz	1160	1.31	14.3

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 type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Gina Becker	TITLE Regulatory Analyst II	PHONE 720 929-6086
SIGNATURE	DATE 09/13/2011	EMAIL gina.becker@anadarko.com
API NUMBER ASSIGNED 43047519560000	APPROVAL  Permit Manager	

Kerr-McGee Oil & Gas Onshore. L.P.**NBU 1022-12J4CS**

Surface: 1240 FSL / 2341 FEL SWSE
 BHL: 1409 FSL / 1817 FEL NWSE

Section 12 T10S R22E

Uintah County, Utah
 Mineral Lease: UT ST UO 01197-A ST

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1037	
Birds Nest	1328	Water
Mahogany	1713	Water
Wasatch	4078	Gas
Mesaverde	6231	Gas
MVU2	7210	Gas
MVL1	7749	Gas
TVD	8410	
TD	8472	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program

6. **Evaluation Program:**

Please refer to the attached Drilling Program

7. Abnormal Conditions:

Maximum anticipated bottom hole pressure calculated at 8410' TVD, approximately equals
 5,382 psi 0.64 psi/ft = actual bottomhole gradient

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 3,520 psi (bottom hole pressure
 minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press. (MASP) = (Pore Pressure at next csg point -
 (0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

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

9. Variances:

*Please refer to the attached Drilling Program.
 Onshore Order #2 – Air Drilling Variance*

*Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements
 associated with air drilling outlined in Onshore Order 2*

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated
 with air drilling.*

*This Standard Operating Practices addendum provides supporting information as to why KMG current
 air drilling practices for constructing the surface casing hole should be granted a variance to Onshore
 Order 2 air drilling requirements.*

*The reader should note that the air rig is used only to construct a stable surface casing hole through a
 historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to
 drill and construct the majority of the wellbore.*

*More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing
 hole in approximately 675 wells without incident of blow out or loss of life.*

Background

*In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the
 surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling
 operation does not drill through productive or over pressured formations in KMG field, but does
 penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome
 the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole
 for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the
 Bird's Nest.*

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 11 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and

on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. **Other Information:**

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS			
						BURST	COLLAPSE	LTC	BTC
CONDUCTOR	14"	0-40'							
SURFACE	8-5/8"	0 to 2,160	28.00	IJ-55	LTC	3,390	1,880	348,000	N/A
						2.50	1.86	6.57	N/A
PRODUCTION	4-1/2"	0 to 8,472	11.60	I-80	LTC/BTC	7,780	6,350	279,000	367,000
						1.11	1.16	3.51	4.62

Surface Casing:

(Burst Assumptions: TD = 12.5 ppg) 0.73 psi/ft = frac gradient @ surface shoe
Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.64 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	60%	15.80	1.15
	Option 1 TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	270	0%	15.80	1.15
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE	LEAD	1,660'	65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW	150	35%	11.00	3.82
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.80	1.15
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,572'	Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	270	20%	11.00	3.38
	TAIL	4,900'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,160	35%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

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. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

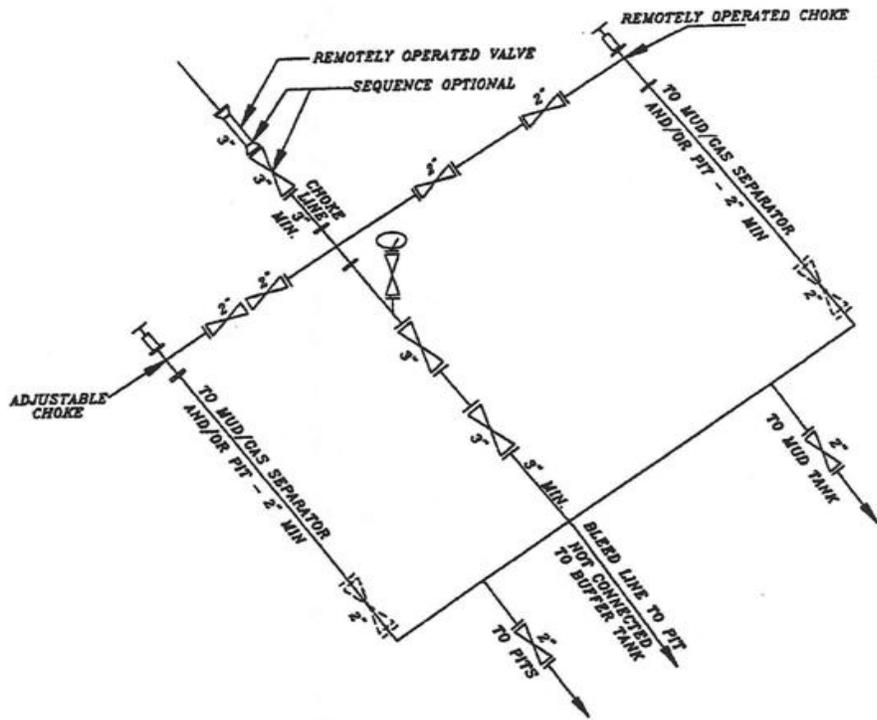
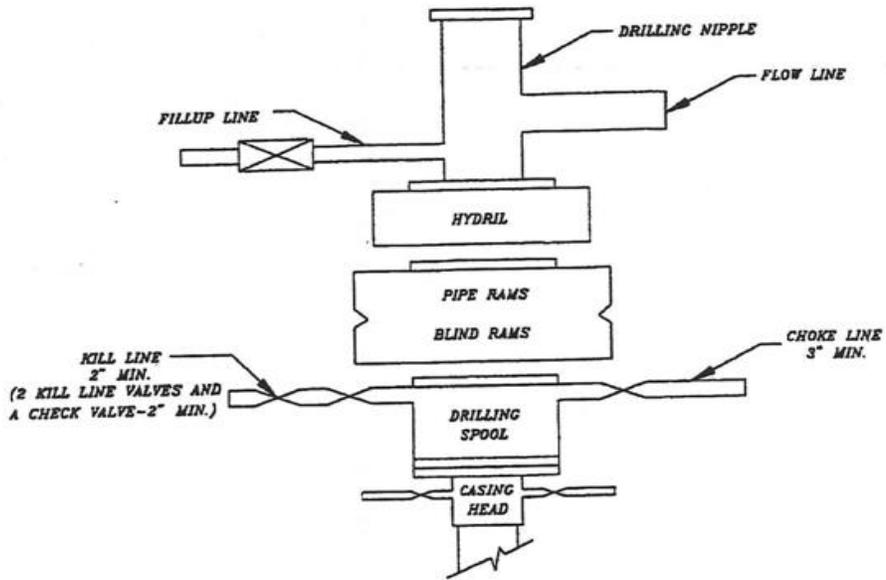
DRILLING ENGINEER: _____
Nick Spence / Danny Showers

DATE: _____

DRILLING SUPERINTENDENT: _____
Kenny Gathings / Lovel Young

DATE: _____

EXHIBIT A
NBU 1022-12J4CS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

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

Found 1991 Aluminum Cap with Pile of Stones. Fence Post on SE side of Cap.

S89°59'W - 40.01 (G.L.O.)
S89°57'13"W - 2640.76' (Meas.)

N89°39'W - 40.01 (G.L.O.)
N89°41'22"W - 2640.46' (Meas.)

Found 1991 Aluminum Cap in Pile of Stones. Fence Post on North side of Cap.

Found 1991 Aluminum Cap in Pile of Stones.

NBU 1022-12J4CS (Surface Position)
NAD 83 LATITUDE = 39.959597° (39° 57' 34.550")
LONGITUDE = 109.387217° (109° 23' 13.983")
NAD 27 LATITUDE = 39.959631° (39° 57' 34.673")
LONGITUDE = 109.386537° (109° 23' 11.534")

NBU 1022-12J4CS (Bottom Hole)
NAD 83 LATITUDE = 39.960056° (39° 57' 36.201")
LONGITUDE = 109.385349° (109° 23' 07.255")
NAD 27 LATITUDE = 39.960090° (39° 57' 36.324")
LONGITUDE = 109.384668° (109° 23' 04.806")

Found 1991 Aluminum Cap with Pile of Stones. Fence Post on North side of Cap.

N0°01'W (G.L.O.)
N00°25'25"E - 5276.36' (Meas.)

Not Monumented

12

**WELL LOCATION:
NBU 1022-12J4CS**

ELEV. UNGRADED GROUND = 5240.0'

Bottom of Hole

Well Surface Position

1817'

2341'

1240'

1409'

N00°03'41"E - 2640.93' (Meas.)
N0°07'E - 40.02 (G.L.O.)

N00°05'48"E (Basis of Bearings)
2634.07' (Measured)
N0°09'E - 39.91 (G.L.O.)

Found Uintah County Aluminum Cap on 3/4" rebar. Pile of Stones

Not Monumented

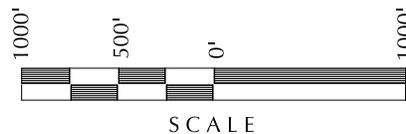
N89°52'55"W - 5312.93' (Meas.)
S89°59'W - 80.02 (G.L.O.)

Found 1991 Aluminum Cap in Pile of Stones. Fence Post on East side of Cap.

NOTES:

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- The Bottom of hole bears N72°15'49"E 550.03' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW 1/4 of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SURVEYOR'S CERTIFICATE

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

PROF. SEAL
No. 6028691
JOHN R. SAUGH
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH
2-7-11

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD: NBU 1022-12O

**NBU 1022-12J4CS
WELL PLAT**

**1409' FSL, 1817' FEL (Bottom Hole)
NW 1/4 SE 1/4 OF SECTION 12, T10S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH.**



609 CONSULTING, LLC
2155 North Main Street
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE

(435) 789-1365

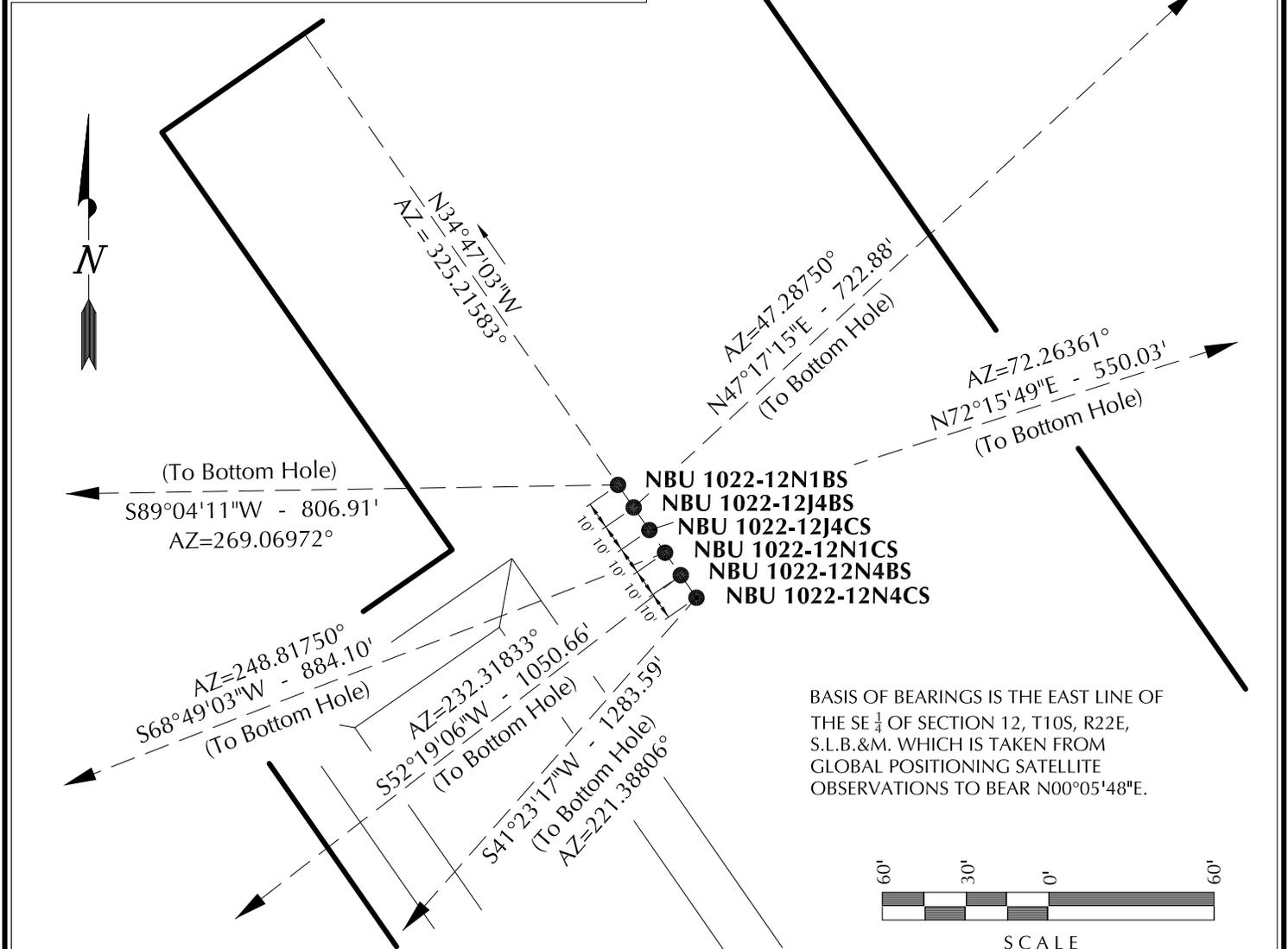
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 01-21-11	SURVEYED BY: R.Y.	SHEET NO: 4
DATE DRAWN: 02-03-11	DRAWN BY: E.M.S.	
SCALE: 1" = 1000'		4 OF 18

WELL NAME	SURFACE POSITION					BOTTOM HOLE				
	NAD83		NAD27		FOOTAGES	NAD83		NAD27		FOOTAGES
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE		LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	
NBU 1022-12N4CS	39°57'34.307"	109°23'13.763"	39°57'34.430"	109°23'11.314"	1216' FSL 2323' FEL	39°57'24.799"	109°23'24.669"	39°57'24.922"	109°23'22.220"	251' FSL 2141' FWL
NBU 1022-12N4BS	39°57'34.388"	109°23'13.836"	39°57'34.511"	109°23'11.387"	1224' FSL 2329' FEL	39°57'28.050"	109°23'24.519"	39°57'28.172"	109°23'22.069"	580' FSL 2150' FWL
NBU 1022-12N1CS	39°57'34.469"	109°23'13.910"	39°57'34.592"	109°23'11.461"	1232' FSL 2335' FEL	39°57'31.320"	109°23'24.497"	39°57'31.443"	109°23'22.047"	911' FSL 2149' FWL
NBU 1022-12J4CS	39°57'34.550"	109°23'13.983"	39°57'34.673"	109°23'11.534"	1240' FSL 2341' FEL	39°57'36.201"	109°23'07.255"	39°57'36.324"	109°23'04.806"	1409' FSL 1817' FEL
NBU 1022-12J4BS	39°57'34.631"	109°23'14.056"	39°57'34.754"	109°23'11.607"	1249' FSL 2346' FEL	39°57'39.472"	109°23'07.231"	39°57'39.594"	109°23'04.782"	1740' FSL 1816' FEL
NBU 1022-12N1BS	39°57'34.713"	109°23'14.129"	39°57'34.836"	109°23'11.680"	1257' FSL 2352' FEL	39°57'34.590"	109°23'24.488"	39°57'34.713"	109°23'22.038"	1242' FSL 2147' FWL

RELATIVE COORDINATES - From Surface Position to Bottom Hole

WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST
NBU 1022-12N4CS	-963.0'	-848.7'	NBU 1022-12N4BS	-642.2'	-831.5'	NBU 1022-12N1CS	-319.5'	-824.4'	NBU 1022-12J4CS	167.6'	523.9'
NBU 1022-12J4BS	490.3'	531.1'	NBU 1022-12N1BS	-13.1'	-806.8'						



BASIS OF BEARINGS IS THE EAST LINE OF THE SE 1/4 OF SECTION 12, T10S, R22E, S.L.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°05'48\"/>

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 1022-120

WELL PAD INTERFERENCE PLAT
WELLS - NBU 1022-12N4CS, NBU 1022-12N4BS, NBU 1022-12N1CS, NBU 1022-12J4CS, NBU 1022-12J4BS & NBU 1022-12N1BS LOCATED IN SECTION 12, T10S, R22E, S.L.B.&M., UTAH COUNTY, UTAH.

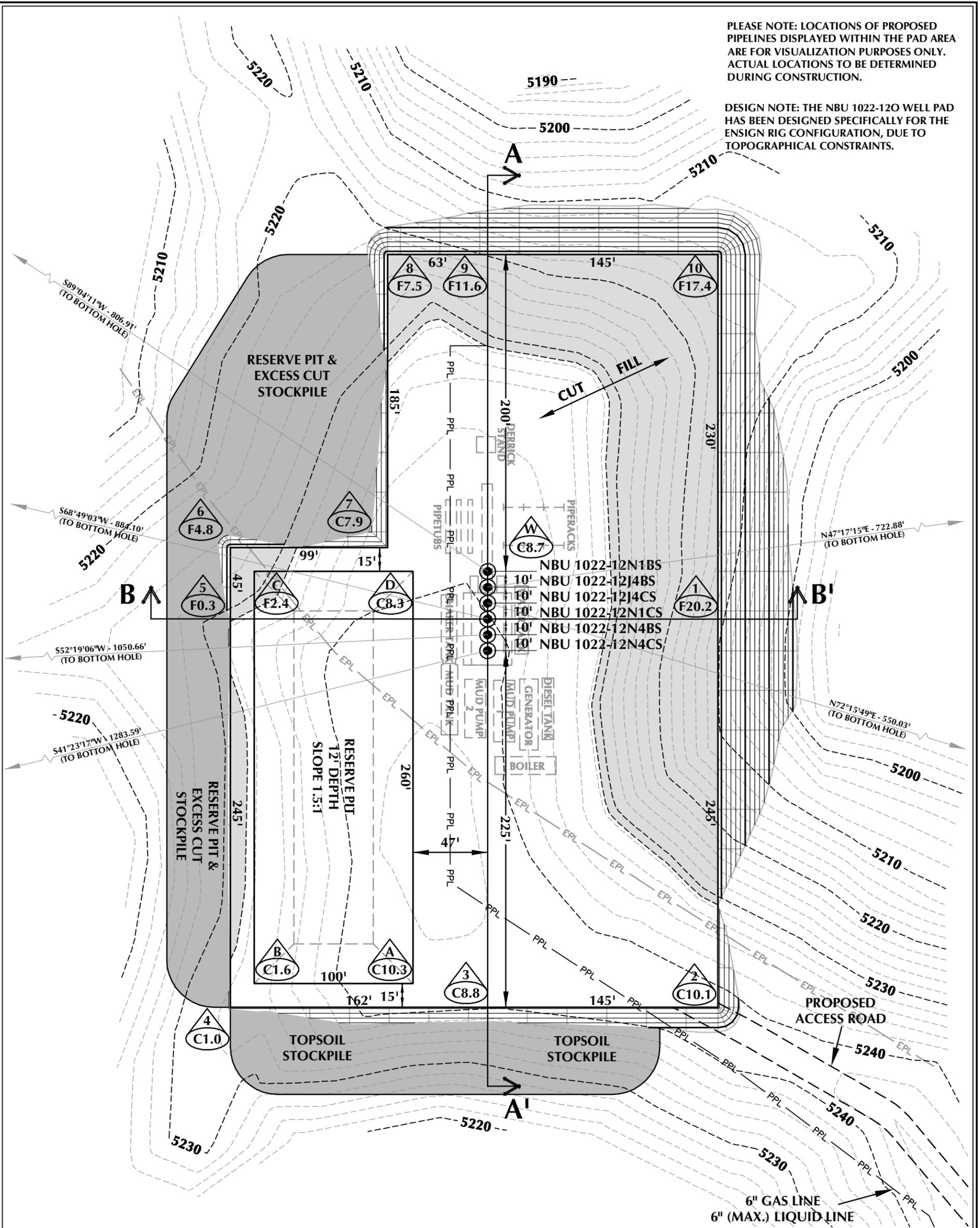
609 CONSULTING, LLC
2155 North Main Street
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 01-21-11	SURVEYED BY: R.Y.	SHEET NO: 7
DATE DRAWN: 02-03-11	DRAWN BY: E.M.S.	
SCALE: 1" = 60'		7 OF 18

PLEASE NOTE: LOCATIONS OF PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.

DESIGN NOTE: THE NBU 1022-120 WELL PAD HAS BEEN DESIGNED SPECIFICALLY FOR THE ENSIGN RIG CONFIGURATION, DUE TO TOPOGRAPHICAL CONSTRAINTS.



WELL PAD - NBU 1022-120 DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 5240.1'
 FINISHED GRADE ELEVATION = 5231.4'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1
 TOTAL WELL PAD AREA = 3.54 ACRES
 TOTAL DAMAGE AREA = 5.84 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 1022-120
WELL PAD - LOCATION LAYOUT
 NBU 1022-12N4CS, NBU 1022-12N4BS,
 NBU 1022-12N1CS, NBU 1022-12J4CS,
 NBU 1022-12J4BS & NBU 1022-12N1BS
 LOCATED IN SECTION 12, T10S, R22E,
 S.L.B.&M., UTAH COUNTY, UTAH

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 21,444 C.Y.
 TOTAL FILL FOR WELL PAD = 20,227 C.Y.
 TOPSOIL @ 6" DEPTH = 2,856 C.Y.
 EXCESS MATERIAL = 1,217 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT
 +/- 8,870 C.Y.
 RESERVE PIT CAPACITY (2' OF FREEBOARD)
 +/- 33,770 BARRELS

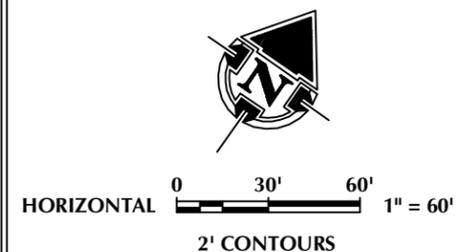


609 CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

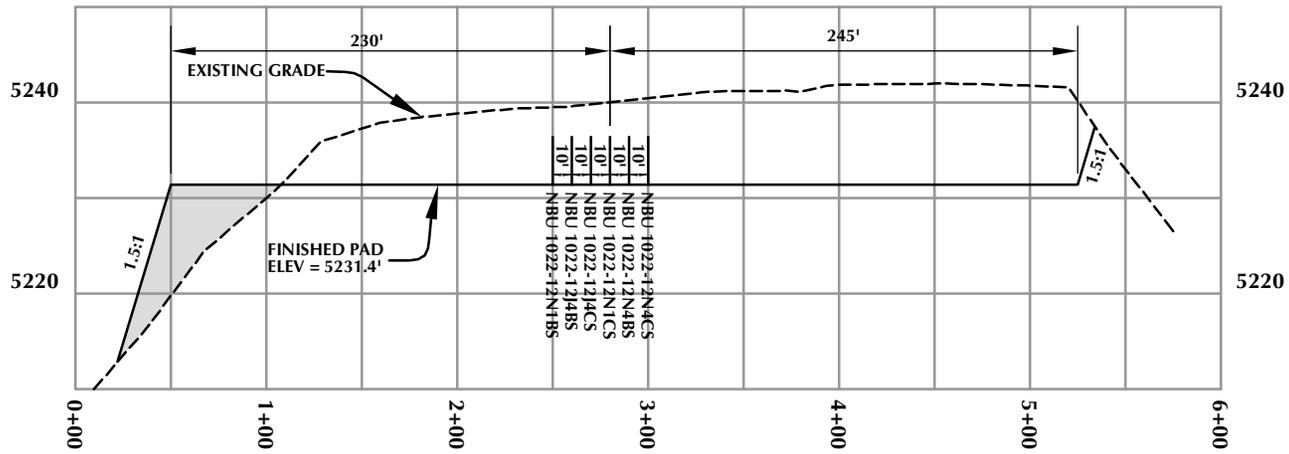
TIMBERLINE ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078
 (435) 789-1365

WELL PAD LEGEND

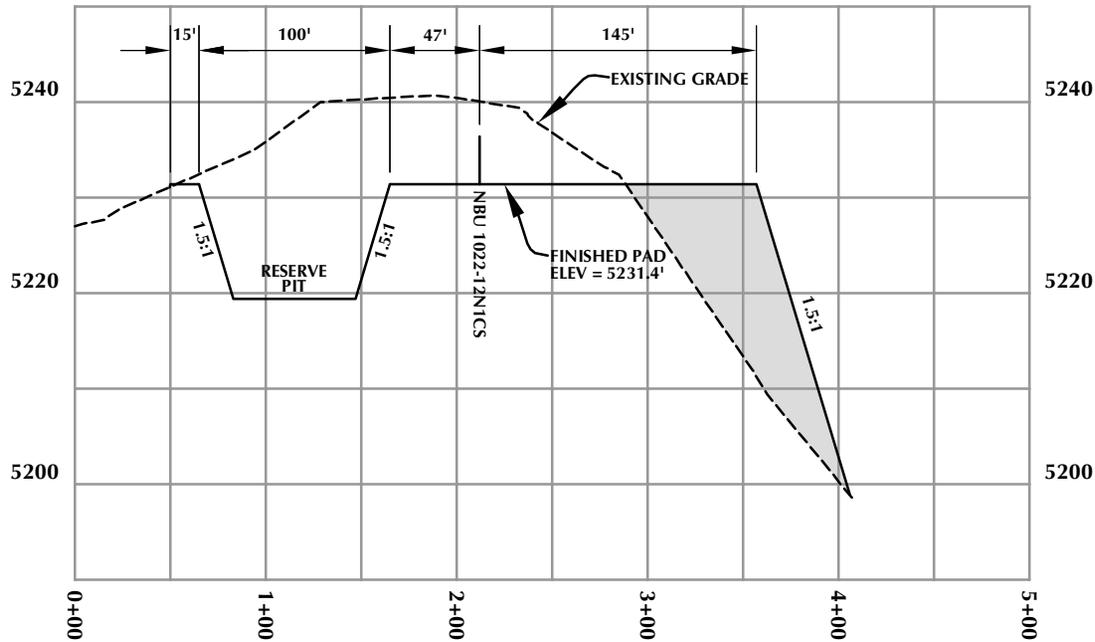
- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL - PROPOSED PIPELINE
- EPL - EXISTING PIPELINE



SCALE: 1"=60' DATE: 3/8/11 SHEET NO: **8**
 REVISED: 8 OF 18



CROSS SECTION A-A'



CROSS SECTION B-B'

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 1022-120

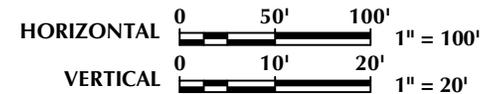
WELL PAD - CROSS SECTIONS
NBU 1022-12N4CS, NBU 1022-12N4BS,
NBU 1022-12N1CS, NBU 1022-12J4CS,
NBU 1022-12J4BS & NBU 1022-12N1BS
LOCATED IN SECTION 12, T10S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH



CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365



Scale: 1"=100'

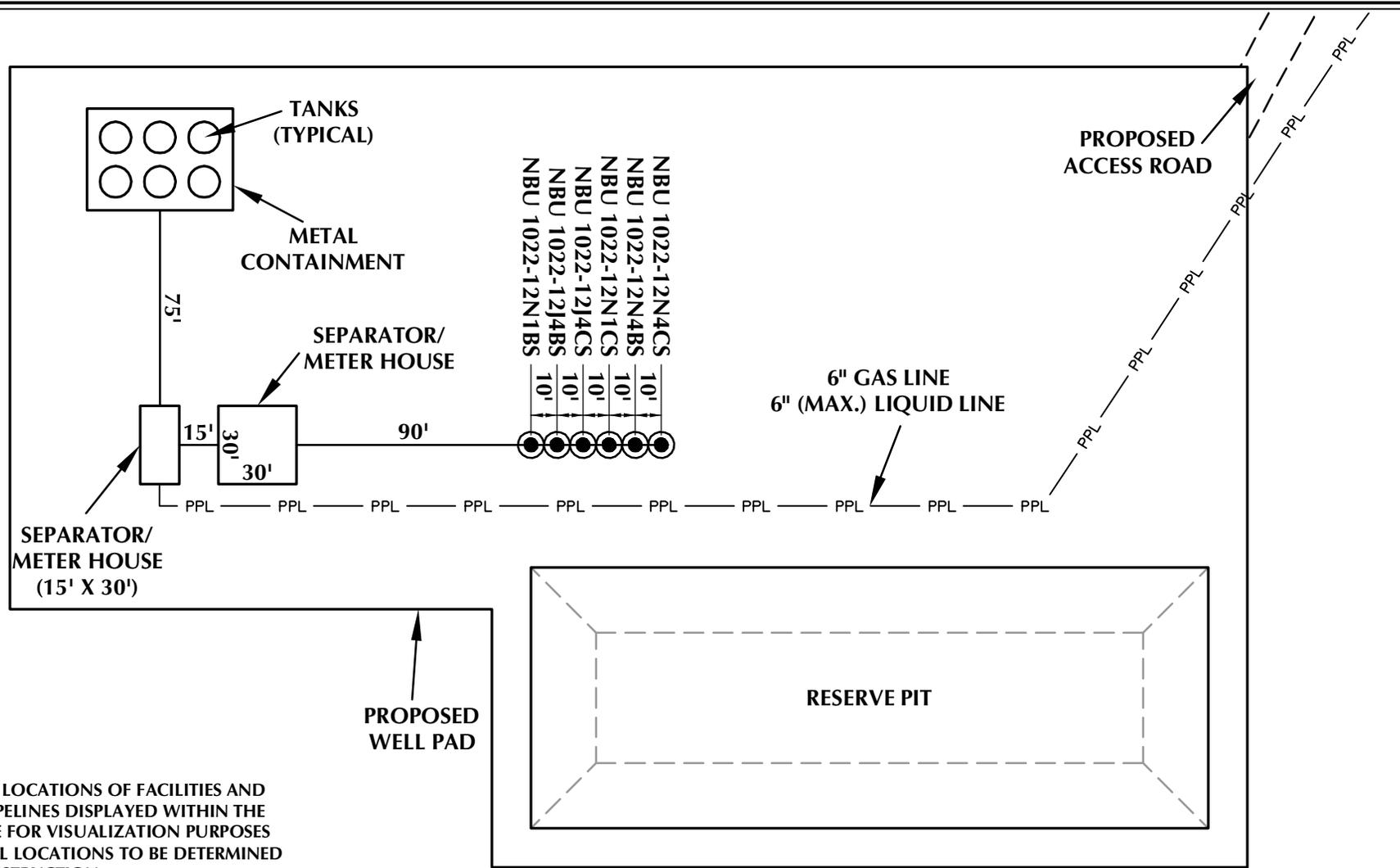
Date: 3/8/11

SHEET NO:

REVISED:

9

9 OF 18



PLEASE NOTE: LOCATIONS OF FACILITIES AND PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 1022-120

WELL PAD - FACILITIES DIAGRAM

NBU 1022-12N4CS, NBU 1022-12N4BS,
NBU 1022-12N1CS, NBU 1022-12J4CS,
NBU 1022-12J4BS & NBU 1022-12N1BS
LOCATED IN SECTION 12, T10S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH



CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PPL — PROPOSED PIPELINE
- EPL — EXISTING PIPELINE



HORIZONTAL 1" = 60'

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

Scale: 1"=60' Date: 3/8/11
REVISED:

SHEET NO:
10 10 OF 18

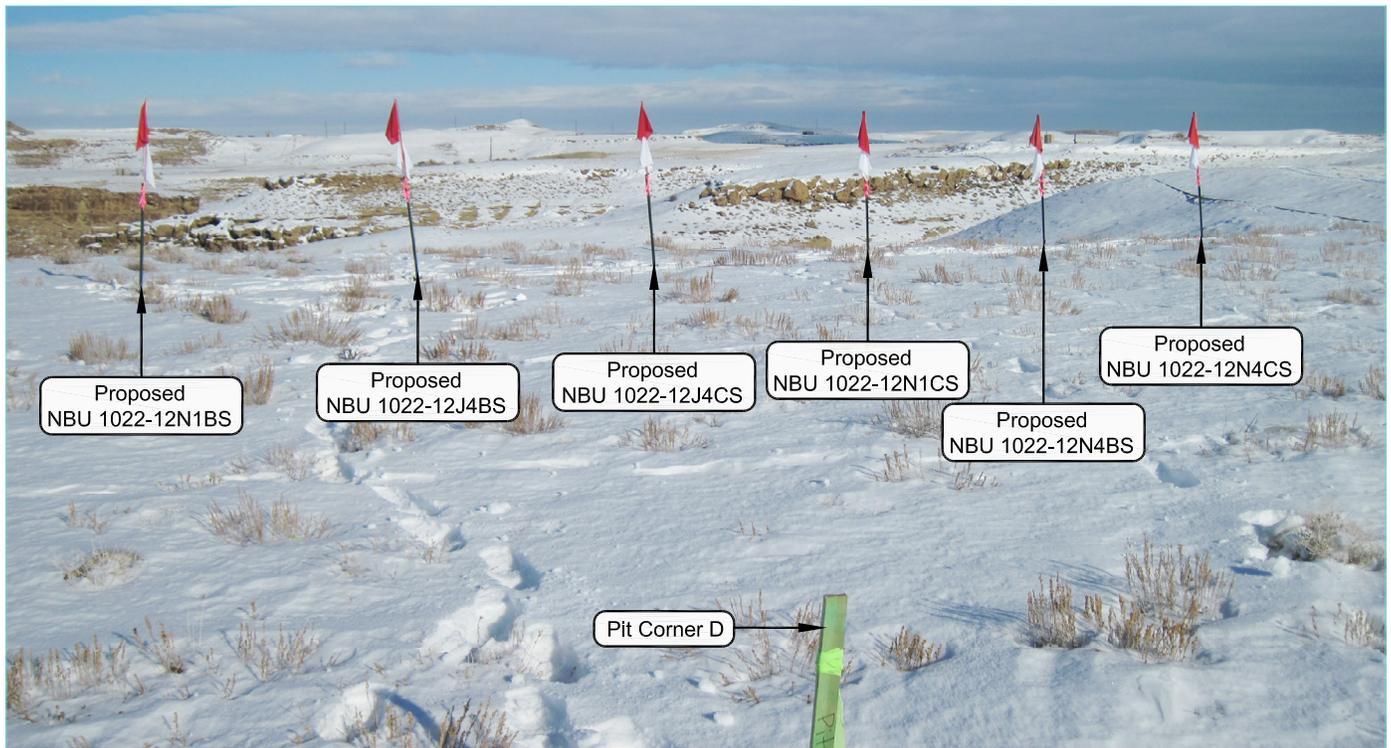


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: EASTERLY



PHOTO VIEW: FROM EXISTING ACCESS ROAD

CAMERA ANGLE: NORTHWESTERLY

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

WELL PAD - NBU 1022-120

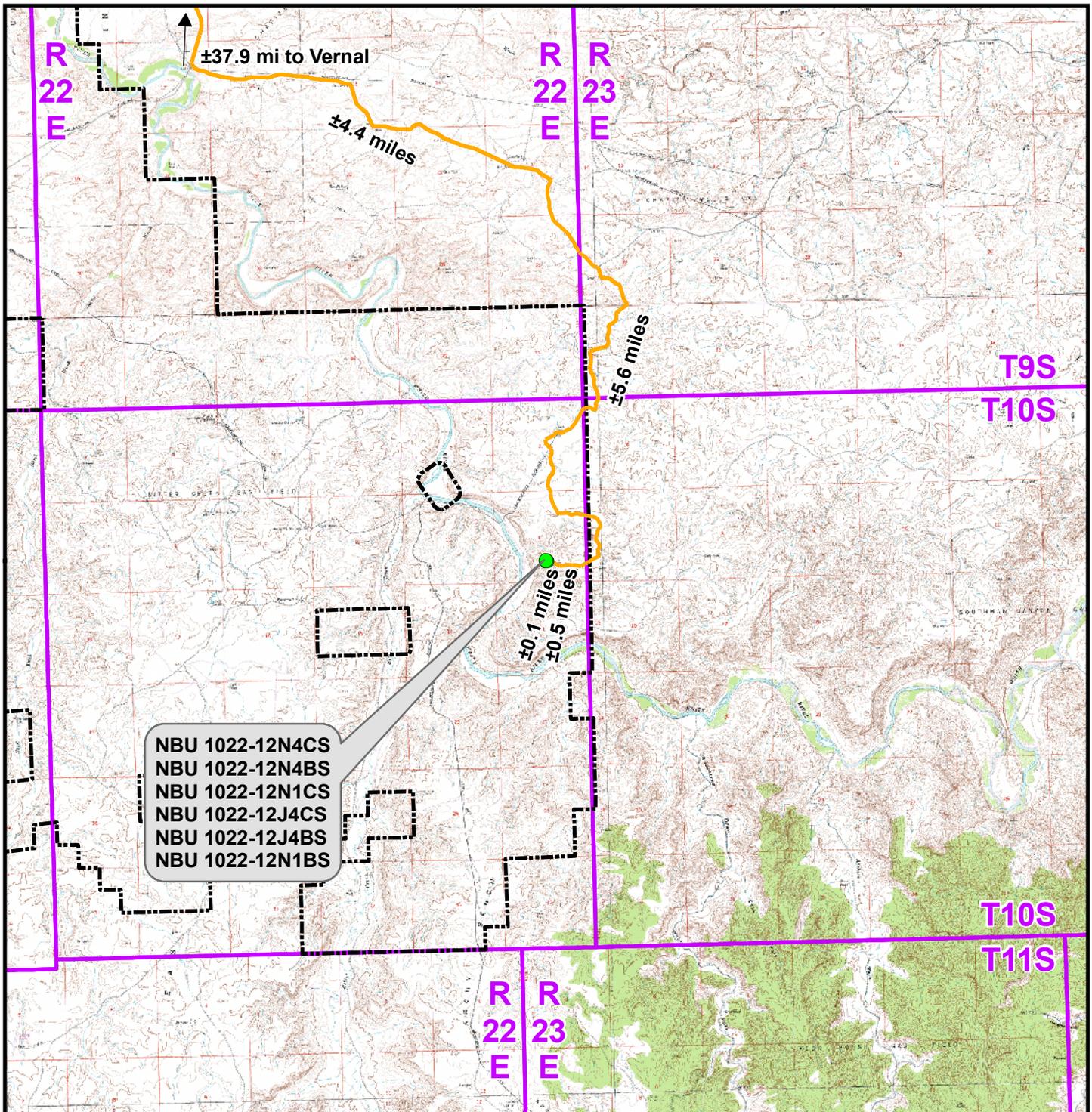
LOCATION PHOTOS
 NBU 1022-12N4CS, NBU 1022-12N4BS,
 NBU 1022-12N1CS, NBU 1022-12J4CS,
 NBU 1022-12J4BS & NBU 1022-12N1BS
 LOCATED IN SECTION 12, T10S, R22E,
 S.L.B.&M., Uintah County, Utah.



CONSULTING, LLC
 2155 North Main Street
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

TIMBERLINE (435) 789-1365
 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 01-21-11	PHOTOS TAKEN BY: R.Y.	SHEET NO: 11
DATE DRAWN: 02-03-11	DRAWN BY: E.M.S.	
Date Last Revised:		11 OF 18



Legend

- Proposed Well Location
- Natural Buttes Unit Boundary
- Access Route - Proposed

Distance From Well Pad - NBU 1022-12O To Unit Boundary: ±2,323ft

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

WELL PAD - NBU 1022-12O

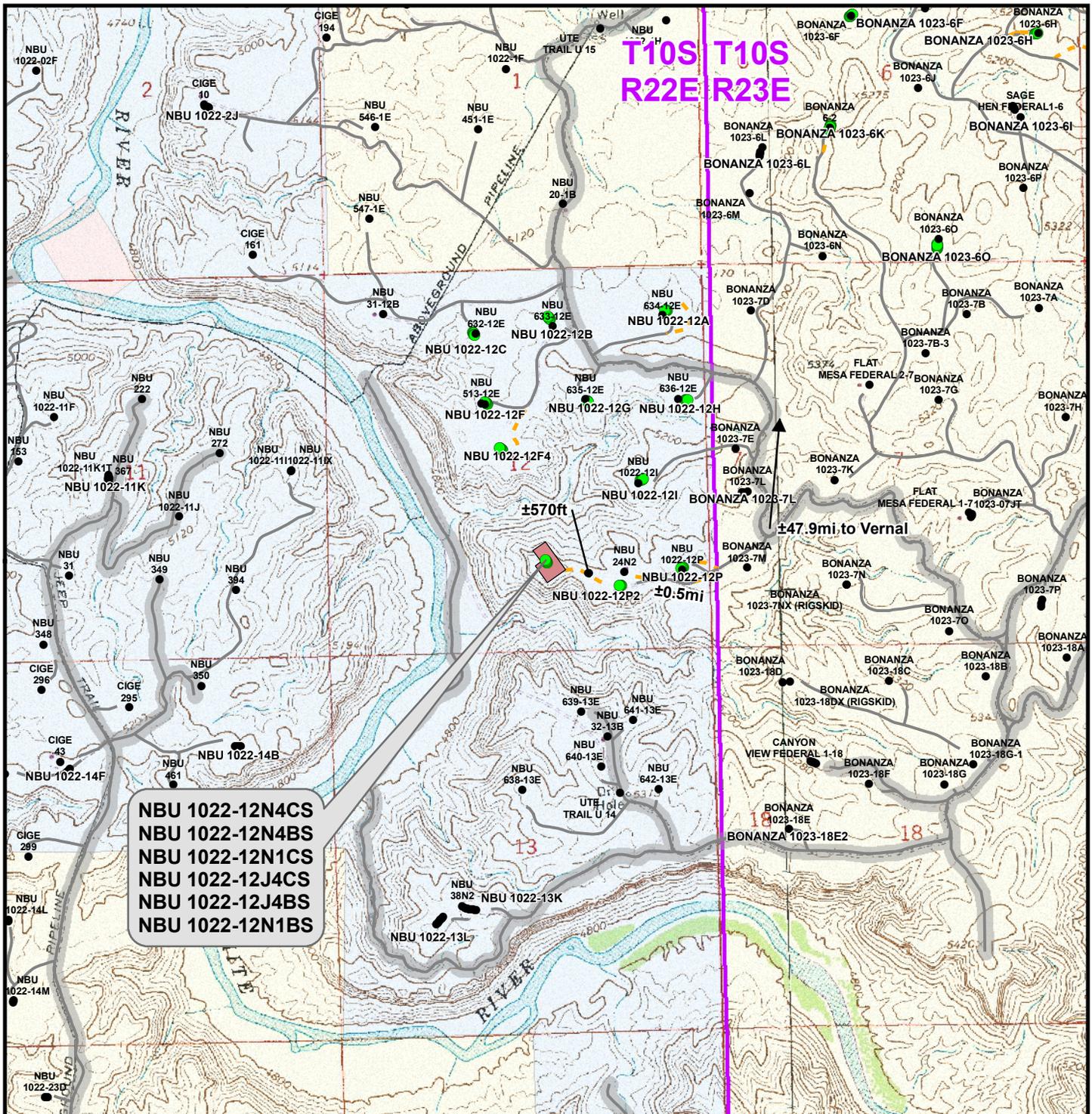
TOPO A

NBU 1022-12N4CS, NBU 1022-12N4BS,
 NBU 1022-12N1CS, NBU 1022-12J4CS,
 NBU 1022-12J4BS & NBU 1022-12N1BS
 LOCATED IN SECTION 12, T10S, R22E,
 S.L.B.&M., UINTAH COUNTY, UTAH

609
 CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1:100,000	NAD83 USP Central	Sheet No:
Drawn: TL	Date: 8 Mar 2011	12
Revised:	Date:	



NBU 1022-12N4CS
NBU 1022-12N4BS
NBU 1022-12N1CS
NBU 1022-12J4CS
NBU 1022-12J4BS
NBU 1022-12N1BS

Legend

- Well - Proposed
- Well - Existing
- Well Pad
- Road - Proposed
- Road - Existing
- County Road
- Bureau of Land Management
- Indian Reservation
- State
- Private

Total Proposed Road Length: ±570ft

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

WELL PAD - NBU 1022-12O

TOPO B

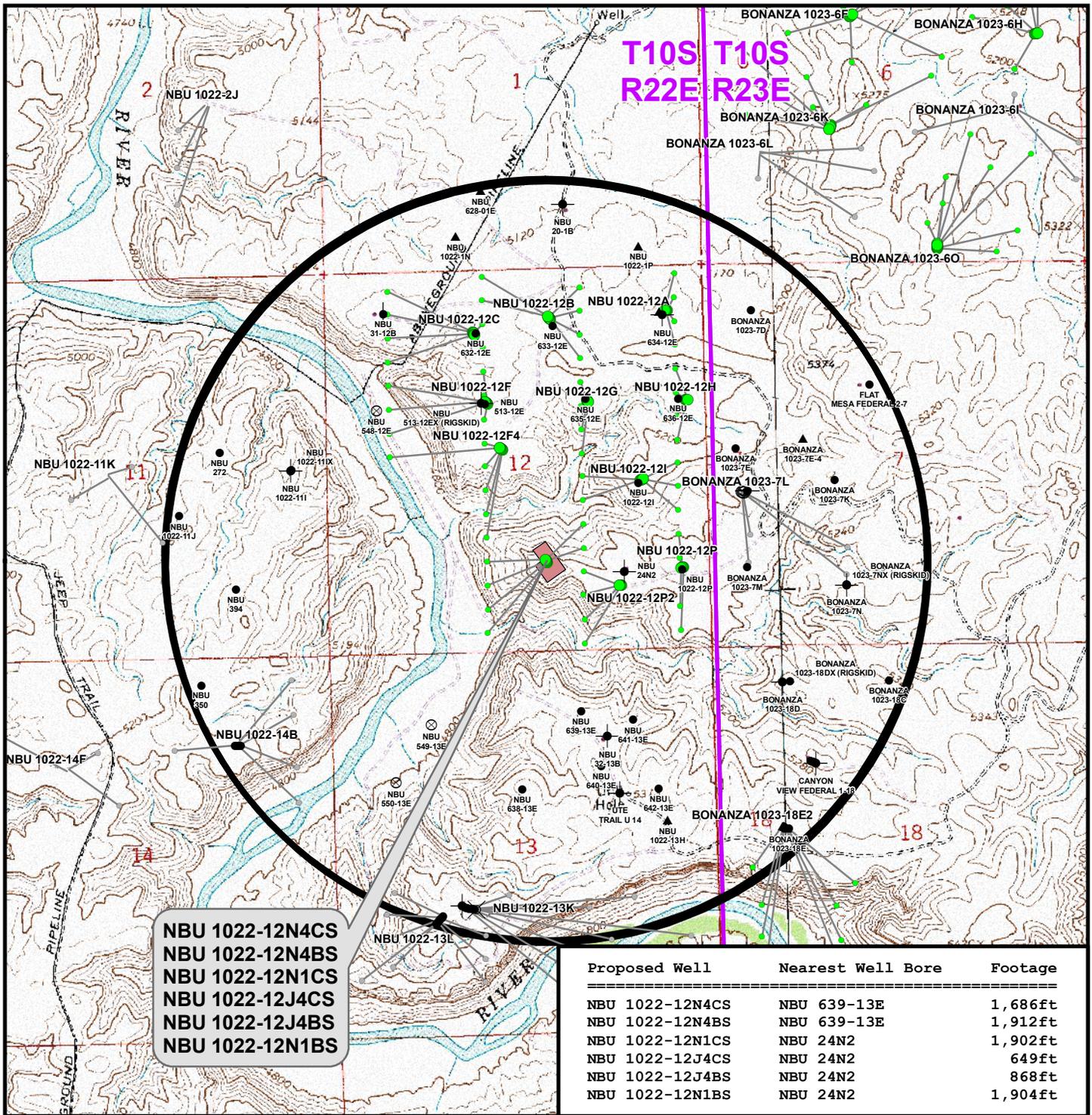
NBU 1022-12N4CS, NBU 1022-12N4BS,
NBU 1022-12N1CS, NBU 1022-12J4CS,
NBU 1022-12J4BS & NBU 1022-12N1BS
 LOCATED IN SECTION 12, T10S, R22E,
 S.L.B.&M., UTAH COUNTY, UTAH



CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 13
Drawn: TL	Date: 8 Mar 2011	13 of 18
Revised:	Date:	



Well locations derived from State of Utah, Dept. of Natural Resources, Division of Oil, Gas and Mining

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Pad
- Well Path
- Bottom Hole - Existing
- Well - 1 Mile Radius

- Producing
- Temporarily-Abandoned
- ★ Active
- Shut-In
- ⊙ Spudded (Drilling commenced; Not yet completed)
- ▲ Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- ⊕ Inactive
- ⊗ Drilling Operations Suspended
- Plugged and Abandoned
- ⊗ Location Abandoned
- ⊗ Dry hole marker, buried
- ⊗ Returned APD (Unapproved)

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - NBU 1022-12O

TOPO C

NBU 1022-12N4CS, NBU 1022-12N4BS,
NBU 1022-12N1CS, NBU 1022-12J4CS,
NBU 1022-12J4BS & NBU 1022-12N1BS
LOCATED IN SECTION 12, T10S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH

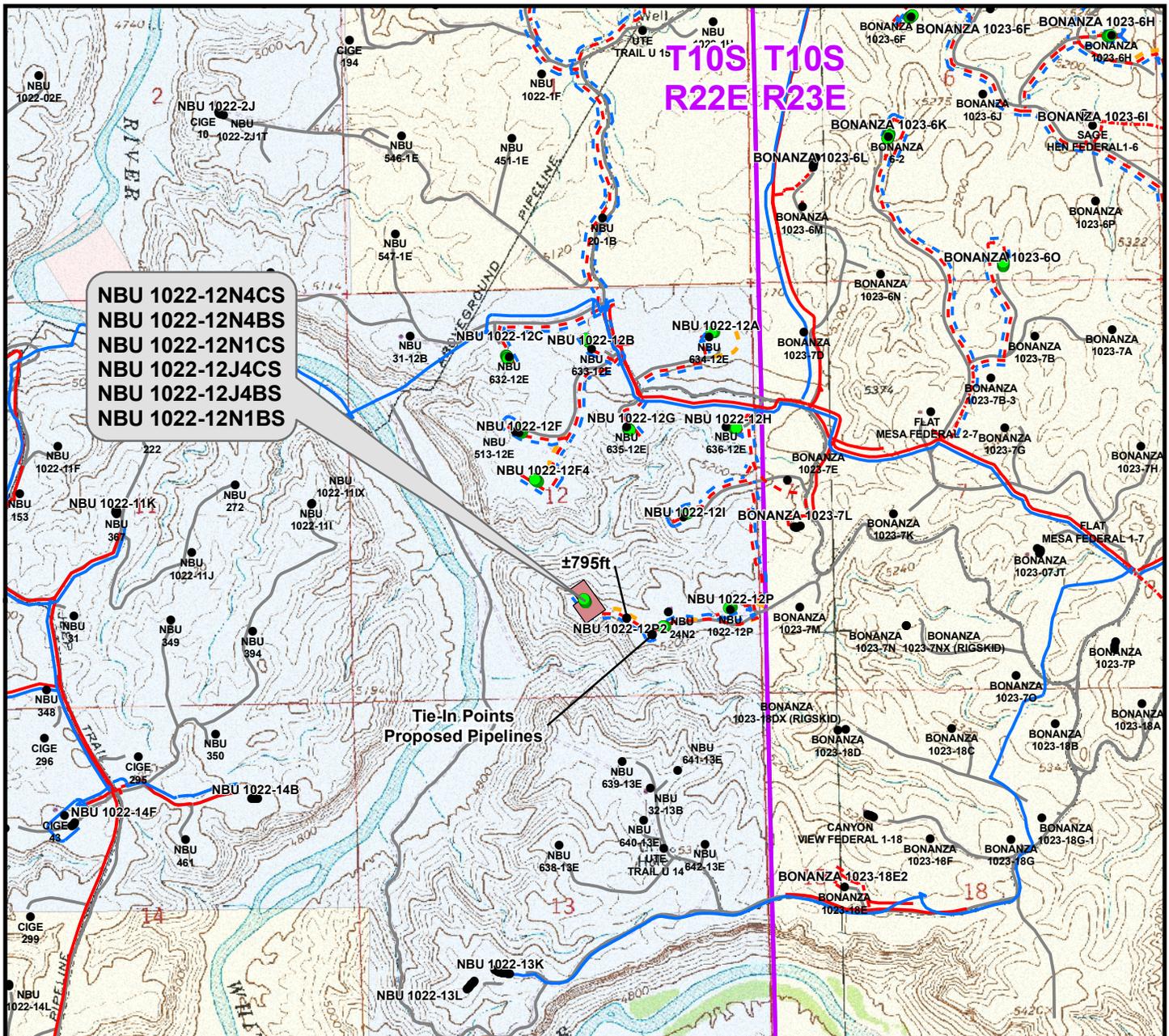


609
CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

Scale: 1" = 2,000ft | NAD83 USP Central | Sheet No: **14** of 18

Drawn: TL | Date: 8 Mar 2011

Revised: | Date:



Proposed Liquid Pipeline	Length	Proposed Gas Pipeline	Length
Proposed 6" (Max.) (Meter House to Edge of Pad)	±505ft	Proposed 6" (Meter House to Edge of Pad)	±505ft
Proposed 6" (Max.) (Edge of Pad to 12P2 Intersection)	±795ft	Proposed 6" (Edge of Pad to 12P2 Intersection)	±795ft
TOTAL PROPOSED LIQUID PIPELINE =	±1,300ft	TOTAL PROPOSED GAS PIPELINE =	±1,300ft

Legend

- Well - Proposed
- Well Pad
- - - Gas Pipeline - Proposed
- - - Liquid Pipeline - Proposed
- - - Road - Proposed
- Bureau of Land Management
- Well - Existing
- - - Gas Pipeline - To Be Upgraded
- - - Liquid Pipeline - Existing
- - - Road - Existing
- Indian Reservation
- - - Gas Pipeline - Existing
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

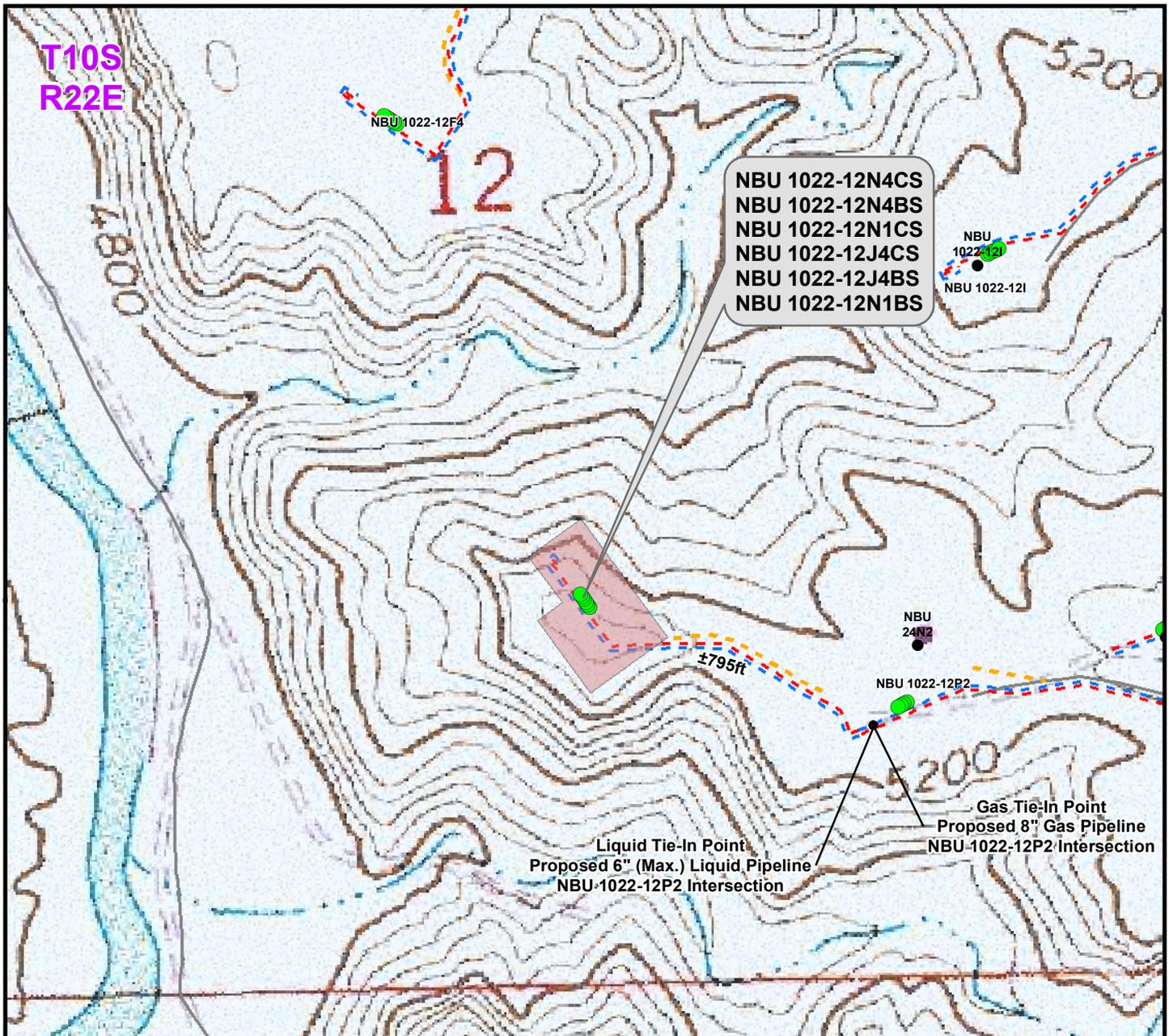
WELL PAD - NBU 1022-12O

TOPO D
NBU 1022-12N4CS, NBU 1022-12N4BS,
NBU 1022-12N1CS, NBU 1022-12J4CS,
NBU 1022-12J4BS & NBU 1022-12N1BS
LOCATED IN SECTION 12, T10S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH

CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182



Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No:
Drawn: TL	Date: 8 Mar 2011	15
Revised:	Date:	



Proposed Liquid Pipeline	Length	Proposed Gas Pipeline	Length
Proposed 6" (Max.) (Meter House to Edge of Pad)	±505ft	Proposed 6" (Meter House to Edge of Pad)	±505ft
Proposed 6" (Max.) (Edge of Pad to 12P2 Intersection)	±795ft	Proposed 6" (Edge of Pad to 12P2 Intersection)	±795ft
TOTAL PROPOSED LIQUID PIPELINE =	±1,300ft	TOTAL PROPOSED GAS PIPELINE =	±1,300ft

Legend

- Well - Proposed
- Well Pad
- - - Gas Pipeline - Proposed
- - - Liquid Pipeline - Proposed
- - - Road - Proposed
- Bureau of Land Management
- Well - Existing
- - - Gas Pipeline - To Be Upgraded
- - - Liquid Pipeline - Existing
- - - Road - Existing
- Indian Reservation
- - - Gas Pipeline - Existing
- State
- Private

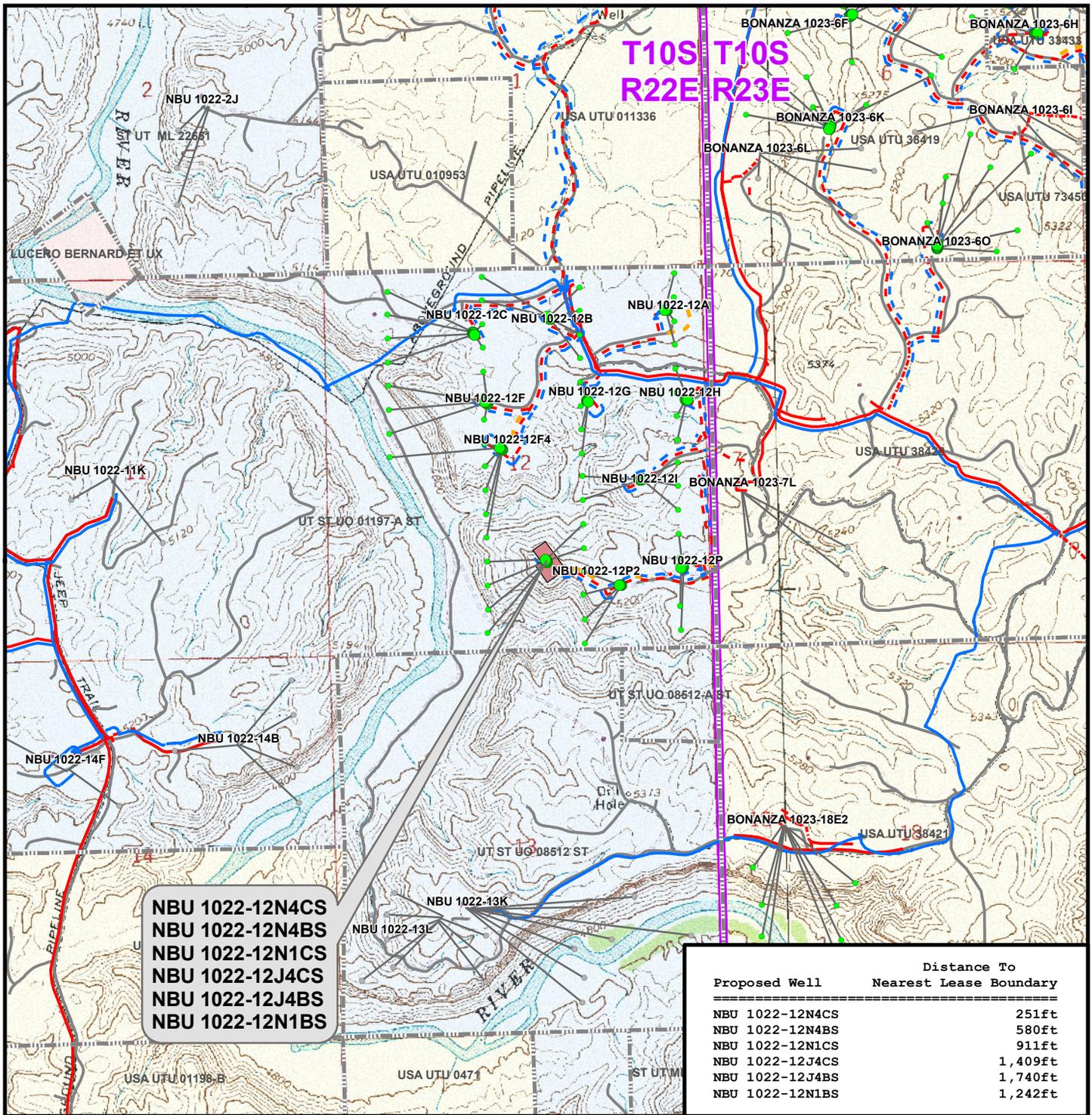
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

WELL PAD - NBU 1022-12O
TOPO D2 (PAD & PIPELINE DETAIL)
 NBU 1022-12N4CS, NBU 1022-12N4BS,
 NBU 1022-12N1CS, NBU 1022-12J4CS,
 NBU 1022-12J4BS & NBU 1022-12N1BS
 LOCATED IN SECTION 12, T10S, R22E,
 S.L.B.&M., UINTAH COUNTY, UTAH

609
CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1" = 500ft	NAD83 USP Central	Sheet No:
Drawn: TL	Date: 8 Mar 2011	16
Revised:	Date:	



Legend

- Well - Proposed
- Bottom Hole - Proposed
- Bottom Hole - Existing
- Well Path
- Well Pad
- ▭ Lease Boundary
- Gas Pipeline - Proposed
- Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- Liquid Pipeline - Proposed
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

WELL PAD - NBU 1022-12O

TOPO E
 NBU 1022-12N4CS, NBU 1022-12N4BS,
 NBU 1022-12N1CS, NBU 1022-12J4CS,
 NBU 1022-12J4BS & NBU 1022-12N1BS
 LOCATED IN SECTION 12, T10S, R22E,
 S.L.B.&M., UINTAH COUNTY, UTAH

CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182

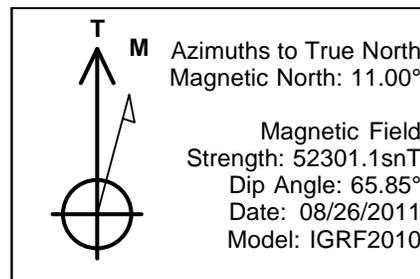


Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 17
Drawn: TL	Date: 8 Mar 2011	17 of 18
Revised:	Date:	

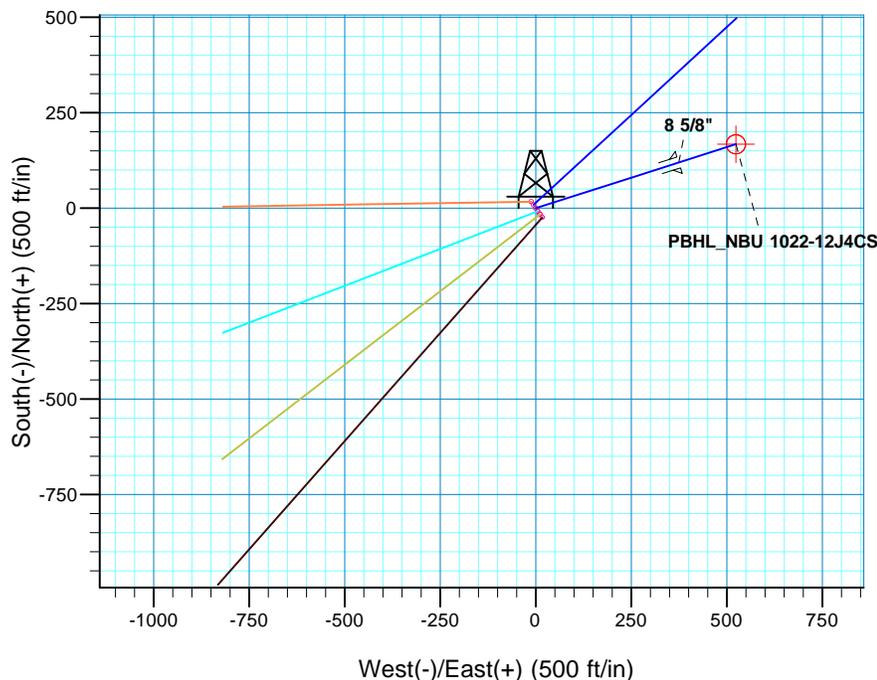
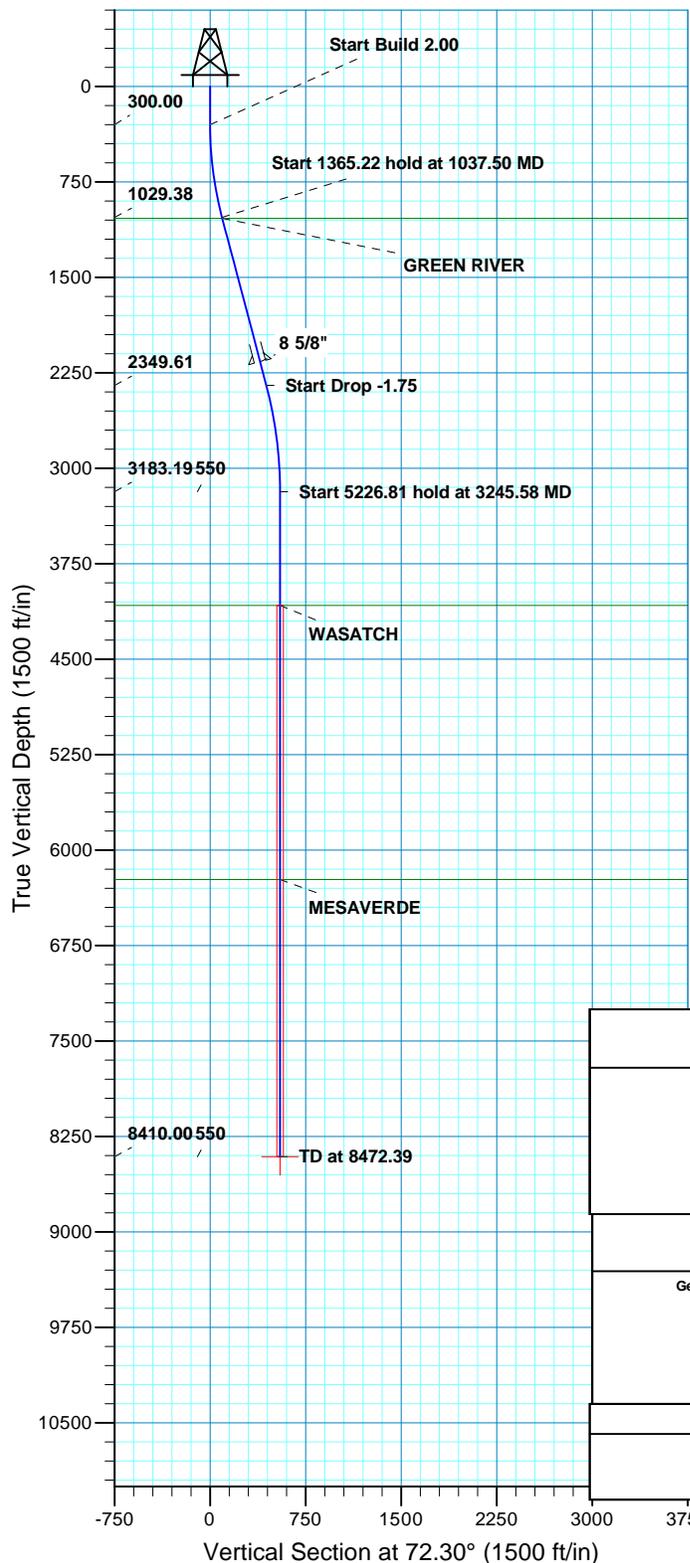
Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – NBU 1022-120
WELLS – NBU 1022-12N4CS, NBU 1022-12N4BS, NBU 1022-12N1CS,
NBU 1022-12J4CS, NBU 1022-12J4BS & NBU 1022-12N1BS
Section 12, T10S, R22E, S.L.B.&M.

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah, proceed in an easterly, then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45. Exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 14.4 miles to the intersection of the Fidlar Road (County B Road 3410) which road intersection is approximately 400 feet northeast of the Mountain Fuel Bridge at the White River. Exit left and proceed in a southeasterly direction along the Fidlar Road approximately 4.4 miles to the intersection of the Seven Sisters Road (County B Road 3420). Exit right and proceed in a southeasterly, then southerly direction along the Seven Sisters Road approximately 5.6 miles to a service road to the southwest. Exit right and proceed in a southwesterly, then westerly direction along the service road approximately 0.5 miles to the proposed access road. Follow road flags in a westerly direction approximately 570 feet to the proposed well location.

Total distance from Vernal, Utah to the proposed well location is approximately 48.5 miles in a southerly direction.



WELL DETAILS: NBU 1022-12J4CS								
GL 5231 & KB 4 @ 5235.00ft (ASSUMED)								
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude			
0.00	0.00	14515433.97	2092556.94	39° 57' 34.672 N	109° 23' 11.533 W			
DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8410.00	167.18	523.86	14515610.59	2093077.69	39° 57' 36.324 N	109° 23' 4.805 W	Circle (Radius: 25.00)
- plan hits target center								



SECTION DETAILS									
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
1037.50	14.75	72.30	1029.38	28.70	89.94	2.00	72.30	94.41	
2402.72	14.75	72.30	2349.61	134.38	421.07	0.00	0.00	441.99	
3245.58	0.00	0.00	3183.19	167.18	523.86	1.75	180.00	549.89	
8472.39	0.00	0.00	8410.00	167.18	523.86	0.00	0.00	549.89	PBHL_NBU 1022-12J4CS

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1037.00	1045.38	GREEN RIVER
4078.00	4140.39	WASATCH
6231.00	6293.39	MESAVERDE

PROJECT DETAILS: UTAH - UTM (feet), NAD27, Zone 12N			
Geodetic System: Universal Transverse Mercator (US Survey Feet)			
Datum: NAD 1927 (NADCON CONUS)			
Ellipsoid: Clarke 1866			
Zone: Zone 12N (114 W to 108 W)			
Location: SECTION 12 T10S R22E			
System Datum: Mean Sea Level			

CASING DETAILS			
TVD	MD	Name	Size
2163.00	2209.75	8 5/8"	8.625

RECEIVED



US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

NBU 1022-12O PAD

NBU 1022-12J4CS

OH

Plan: PLAN #1 PRELIMINARY

Standard Planning Report

26 August, 2011





SDI
Planning Report



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 1022-12J4CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 5231 & KB 4 @ 5235.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 5231 & KB 4 @ 5235.00ft (ASSUMED)
Site:	NBU 1022-12O PAD	North Reference:	True
Well:	NBU 1022-12J4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Project	UTAH - UTM (feet), NAD27, Zone 12N		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 1022-12O PAD, SECTION 12 T10S R22E				
Site Position:		Northing:	14,515,442.24 usft	Latitude:	39° 57' 34.754 N
From:	Lat/Long	Easting:	2,092,551.18 usft	Longitude:	109° 23' 11.605 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	1.04 °

Well	NBU 1022-12J4CS, 1240 FSL 2341 FEL					
Well Position	+N/-S	-8.38 ft	Northing:	14,515,433.97 usft	Latitude:	39° 57' 34.672 N
	+E/-W	5.61 ft	Easting:	2,092,556.94 usft	Longitude:	109° 23' 11.533 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	5,231.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/26/11	11.00	65.85	52,301

Design	PLAN #1 PRELIMINARY			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	72.30

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,037.50	14.75	72.30	1,029.38	28.70	89.94	2.00	2.00	0.00	72.30	
2,402.72	14.75	72.30	2,349.61	134.38	421.07	0.00	0.00	0.00	0.00	
3,245.58	0.00	0.00	3,183.19	167.18	523.86	1.75	-1.75	0.00	180.00	
8,472.39	0.00	0.00	8,410.00	167.18	523.86	0.00	0.00	0.00	0.00	PBHL_NBU 1022-12J



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 1022-12J4CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 5231 & KB 4 @ 5235.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 5231 & KB 4 @ 5235.00ft (ASSUMED)
Site:	NBU 1022-12O PAD	North Reference:	True
Well:	NBU 1022-12J4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 2.00										
400.00	2.00	72.30	399.98	0.53	1.66	1.75	2.00	2.00	0.00	
500.00	4.00	72.30	499.84	2.12	6.65	6.98	2.00	2.00	0.00	
600.00	6.00	72.30	599.45	4.77	14.95	15.69	2.00	2.00	0.00	
700.00	8.00	72.30	698.70	8.48	26.56	27.88	2.00	2.00	0.00	
800.00	10.00	72.30	797.47	13.23	41.46	43.52	2.00	2.00	0.00	
900.00	12.00	72.30	895.62	19.03	59.64	62.60	2.00	2.00	0.00	
1,000.00	14.00	72.30	993.06	25.87	81.07	85.10	2.00	2.00	0.00	
1,037.50	14.75	72.30	1,029.38	28.70	89.94	94.41	2.00	2.00	0.00	
Start 1365.22 hold at 1037.50 MD										
1,045.38	14.75	72.30	1,037.00	29.31	91.85	96.41	0.00	0.00	0.00	
GREEN RIVER										
1,100.00	14.75	72.30	1,089.82	33.54	105.10	110.32	0.00	0.00	0.00	
1,200.00	14.75	72.30	1,186.53	41.28	129.35	135.78	0.00	0.00	0.00	
1,300.00	14.75	72.30	1,283.23	49.02	153.61	161.24	0.00	0.00	0.00	
1,400.00	14.75	72.30	1,379.94	56.76	177.86	186.70	0.00	0.00	0.00	
1,500.00	14.75	72.30	1,476.64	64.50	202.12	212.16	0.00	0.00	0.00	
1,600.00	14.75	72.30	1,573.34	72.24	226.37	237.62	0.00	0.00	0.00	
1,700.00	14.75	72.30	1,670.05	79.98	250.63	263.08	0.00	0.00	0.00	
1,800.00	14.75	72.30	1,766.75	87.72	274.88	288.54	0.00	0.00	0.00	
1,900.00	14.75	72.30	1,863.46	95.46	299.14	314.00	0.00	0.00	0.00	
2,000.00	14.75	72.30	1,960.16	103.21	323.39	339.46	0.00	0.00	0.00	
2,100.00	14.75	72.30	2,056.87	110.95	347.65	364.92	0.00	0.00	0.00	
2,200.00	14.75	72.30	2,153.57	118.69	371.90	390.38	0.00	0.00	0.00	
2,209.75	14.75	72.30	2,163.00	119.44	374.27	392.86	0.00	0.00	0.00	
8 5/8"										
2,300.00	14.75	72.30	2,250.28	126.43	396.16	415.84	0.00	0.00	0.00	
2,400.00	14.75	72.30	2,346.98	134.17	420.41	441.30	0.00	0.00	0.00	
2,402.72	14.75	72.30	2,349.61	134.38	421.07	441.99	0.00	0.00	0.00	
Start Drop -1.75										
2,500.00	13.05	72.30	2,444.04	141.48	443.33	465.36	1.75	-1.75	0.00	
2,600.00	11.30	72.30	2,541.79	147.89	463.42	486.45	1.75	-1.75	0.00	
2,700.00	9.55	72.30	2,640.13	153.39	480.65	504.54	1.75	-1.75	0.00	
2,800.00	7.80	72.30	2,738.99	157.98	495.02	519.61	1.75	-1.75	0.00	
2,900.00	6.05	72.30	2,838.25	161.64	506.50	531.67	1.75	-1.75	0.00	
3,000.00	4.30	72.30	2,937.84	164.38	515.09	540.68	1.75	-1.75	0.00	
3,100.00	2.55	72.30	3,037.66	166.20	520.77	546.65	1.75	-1.75	0.00	
3,200.00	0.80	72.30	3,137.61	167.08	523.56	549.57	1.75	-1.75	0.00	
3,245.58	0.00	0.00	3,183.19	167.18	523.86	549.89	1.75	-1.75	0.00	
Start 5226.81 hold at 3245.58 MD										
3,300.00	0.00	0.00	3,237.61	167.18	523.86	549.89	0.00	0.00	0.00	
3,400.00	0.00	0.00	3,337.61	167.18	523.86	549.89	0.00	0.00	0.00	
3,500.00	0.00	0.00	3,437.61	167.18	523.86	549.89	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,537.61	167.18	523.86	549.89	0.00	0.00	0.00	
3,700.00	0.00	0.00	3,637.61	167.18	523.86	549.89	0.00	0.00	0.00	
3,800.00	0.00	0.00	3,737.61	167.18	523.86	549.89	0.00	0.00	0.00	
3,900.00	0.00	0.00	3,837.61	167.18	523.86	549.89	0.00	0.00	0.00	



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 1022-12J4CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 5231 & KB 4 @ 5235.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 5231 & KB 4 @ 5235.00ft (ASSUMED)
Site:	NBU 1022-12O PAD	North Reference:	True
Well:	NBU 1022-12J4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,000.00	0.00	0.00	3,937.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,100.00	0.00	0.00	4,037.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,140.39	0.00	0.00	4,078.00	167.18	523.86	549.89	0.00	0.00	0.00	
WASATCH										
4,200.00	0.00	0.00	4,137.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,300.00	0.00	0.00	4,237.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,400.00	0.00	0.00	4,337.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,500.00	0.00	0.00	4,437.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,600.00	0.00	0.00	4,537.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,700.00	0.00	0.00	4,637.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,800.00	0.00	0.00	4,737.61	167.18	523.86	549.89	0.00	0.00	0.00	
4,900.00	0.00	0.00	4,837.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,000.00	0.00	0.00	4,937.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,100.00	0.00	0.00	5,037.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,200.00	0.00	0.00	5,137.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,300.00	0.00	0.00	5,237.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,337.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,437.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,537.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,637.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,737.61	167.18	523.86	549.89	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,837.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,937.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,100.00	0.00	0.00	6,037.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,200.00	0.00	0.00	6,137.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,293.39	0.00	0.00	6,231.00	167.18	523.86	549.89	0.00	0.00	0.00	
MESAVERDE										
6,300.00	0.00	0.00	6,237.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,337.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,437.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,537.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,637.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,737.61	167.18	523.86	549.89	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,837.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,937.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,100.00	0.00	0.00	7,037.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,200.00	0.00	0.00	7,137.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,237.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,337.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,437.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,537.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,637.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,737.61	167.18	523.86	549.89	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,837.61	167.18	523.86	549.89	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,937.61	167.18	523.86	549.89	0.00	0.00	0.00	
8,100.00	0.00	0.00	8,037.61	167.18	523.86	549.89	0.00	0.00	0.00	
8,200.00	0.00	0.00	8,137.61	167.18	523.86	549.89	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,237.61	167.18	523.86	549.89	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,337.61	167.18	523.86	549.89	0.00	0.00	0.00	
8,472.39	0.00	0.00	8,410.00	167.18	523.86	549.89	0.00	0.00	0.00	
TD at 8472.39 - PBHL_NBU 1022-12J4CS										



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well NBU 1022-12J4CS
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 5231 & KB 4 @ 5235.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 5231 & KB 4 @ 5235.00ft (ASSUMED)
Site:	NBU 1022-12O PAD	North Reference:	True
Well:	NBU 1022-12J4CS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1 PRELIMINARY		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
PBHL_NBU 1022-12J4C - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,410.00	167.18	523.86	14,515,610.60	2,093,077.68	39° 57' 36.324 N	109° 23' 4.805 W

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(ft)	(ft)		(in)	(in)	
2,209.75	2,163.00	8 5/8"	8.625	11.000	

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
1,045.38	1,037.00	GREEN RIVER			
4,140.39	4,078.00	WASATCH			
6,293.39	6,231.00	MESAVERDE			

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S	+E/-W		
		(ft)	(ft)		
300.00	300.00	0.00	0.00	Start Build 2.00	
1,037.50	1,029.38	28.70	89.94	Start 1365.22 hold at 1037.50 MD	
2,402.72	2,349.61	134.38	421.07	Start Drop -1.75	
3,245.58	3,183.19	167.18	523.86	Start 5226.81 hold at 3245.58 MD	
8,472.39	8,410.00	167.18	523.86	TD at 8472.39	

NBU 1022-12J4BS			
Surface:	1249 FSL / 2346 FEL	SWSE	Lot
BHL:	1740 FSL / 1816 FEL	NWSE	Lot
NBU 1022-12J4CS			
Surface:	1240 FSL / 2341 FEL	SWSE	Lot
BHL:	1409 FSL / 1817 FEL	NWSE	Lot
NBU 1022-12N1BS			
Surface:	1257 FSL / 2352 FEL	SWSE	Lot
BHL:	1242 FSL / 2147 FWL	SESW	Lot
NBU 1022-12N1CS			
Surface:	1232 FSL / 2335 FEL	SWSE	Lot
BHL:	911 FSL / 2149 FWL	SESW	Lot
NBU 1022-12N4BS			
Surface:	1224 FSL / 2329 FEL	SWSE	Lot
BHL:	580 FSL / 2150 FWL	SESW	Lot
NBU 1022-12N4CS			
Surface:	1216 FSL / 2323 FEL	SWSE	Lot
BHL:	251 FSL / 2141 FWL	SESW	Lot

Pad: NBU 1022-12O PAD

Section 12 T10S R22E

Mineral Lease: UT ST UO 01197-A ST

Uintah County, Utah

Operator: Kerr-McGee Oil & Gas Onshore LP

This SUPO contains surface operating procedures for Kerr-McGee Oil & Gas Onshore LP (KMG), a wholly owned subsidiary of Anadarko Petroleum Corporation (APC) pertaining to actions that involve the State of Utah School and Institutional Trust Lands Administration (SITLA) in the development of minerals leased to APC/KMG (including but not limited to, APDs/SULAs/ROEs/ROWs and/or easements.)

See associated Utah Division of Oil, Gas, and Mining (UDOGM) Form 3(s), plats, maps, and other attachments for site-specific information on projects represented herein.

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, these wells will be directionally drilled. Refer to Topo Map A for directions to the location and Topo Maps A and B for location of access roads within a 2-mile radius.

A. Existing Roads:

Existing roads consist of county and improved/unimproved lease roads. KMG will maintain existing roads in a condition that is the same as or better than before operations began and in a safe and usable condition. Maintenance of existing roads will continue until final abandonment and reclamation of well pads and/or other facilities. The road maintenance may include, but is not limited to, blading, ditching, culvert installation/cleanout, surfacing, and dust control.

Typically, roads, gathering lines and electrical distribution lines will occupy common disturbance corridors and roadways will be used as working space. All disturbances located in the same corridor will overlap each other to the maximum extent possible; in no case will the maximum disturbance width of the access road and utility corridors exceed 50', unless otherwise approved.

B. Planned Access Roads:

One new access road is proposed (see Topo Map B). The $\pm 570'$ access road will follow the proposed gas and liquid pipelines from the East corner of the pad to the West edge of the 1022-12P2 well pad. Applicable Uintah County encroachment and/or pipeline crossing permits will be obtained prior to construction/development. No other pipelines will be crossed at this location.

If there are roads that are new or to be reconstructed, they will be located, designed, and maintained to meet the standards of SITLA and other commonly accepted Best Management Practices (BMPs). If a new road/corridor were to cross a water of the United States, KMG will adhere to the requirements of applicable Nationwide or Individual Permits of the Department of Army Corps of Engineers.

During the onsite, turnouts, major cut and fills, culverts, bridges, gates, cattle guards, low water crossings, or modifications needed to existing infrastructure/facilities were determined, as applicable, are typically shown on attached Exhibits and Topo maps.

C. Location of Existing and Proposed Facilities:

The NBU 1022-12O pad is a newly proposed well pad with no existing wells.

Production facilities (see Well Pad Design Summary and Facilities Diagram):

Production facilities will be installed on the disturbed portion of the well pad and may include bermed components (typically excluding dehy's and/or separators) that contain fluids (i.e. production tanks, produced liquids tanks). The berms will be constructed of compacted subsoil or corrugated metal, impervious, designed to hold 110% of the capacity of the largest tank, and be independent of the back cut. All permanent (on-site six months or longer) above ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth-tone color chosen at the onsite in coordination with SITLA.

Gathering Facilities:

The following pipeline transmission facilities will apply if the well is productive (see Topo D):

The total gas gathering (steel line pipe with fusion bond epoxy coating) pipeline distances from the meter to the tie in point is $\pm 1,300'$ and the individual segments are broken up as follows:

- $\pm 505'$ (0.09 miles) –New 6” buried gas pipeline from the meter to the edge of the pad. Please refer to Topo D2 - Pad and Pipeline Detail.
- $\pm 795'$ (0.15 miles) –New 6” buried gas pipeline from the edge of pad to the tie-in at the proposed 1022-12P2 Intersection 8" gas pipeline. Please refer to Topo D & D2.

The total liquid gathering pipeline distance from the separator to the tie in point is $\pm 1,300'$ and the individual segments are broken up as follows:

- $\pm 505'$ (0.09 miles) –New 6” buried liquid pipeline from the separator to the edge of the pad. Please refer to Topo D2 - Pad and Pipeline Detail.
- $\pm 795'$ (0.15 miles) –New 6” buried liquid pipeline from the edge of pad to the tie-in at the proposed 1022-12P2 Intersection 6" liquid pipeline. Topo D & D2.

The liquid gathering lines will be made of polyethylene or a composite polyethylene/steel or polyethylene/fiberglass that is not subject to internal or external pipe corrosion. The content of the produced fluids to be transferred by the liquid gathering system will be approximately 92% produced water and 8% condensate. Trunk line valve connections for the water gathering system will be below ground but accessible from the surface in order to prevent freezing during winter time.

The proposed pipelines will be buried and will include gas gathering and liquid gathering pipelines in the same trench. Where the pipeline is adjacent to the road or well pad, the road and/or well pad will be utilized for construction activities and staging. KMG requests a permanent 30' right-of-way adjacent to the road for life-of-project for maintenance, repairs, and/or upgrades, no additional right-of-way will be needed beyond the 30'. Where the pipeline is not adjacent to the road or well pad, KMG requests a temporary 45' construction right-of-way 30' permanent right-of-way.

The proposed trench width for the pipeline would range from 18-48 inches and will be excavated to a depth of 48 to 60 inches of normal soil cover or 24 inches of cover in consolidated rock. During construction blasting may occur along the proposed right-of-way where trenching equipment cannot cut into the bedrock. Large debris and rocks removed from the earth during trenching and blasting that could not be returned to the trench would be distributed evenly and naturally in the project area. The proposed pipelines will be pressure tested pneumatically (depending on size) or with fluids (either fresh or produced). If fluids are used, there will be no discharge to the surface.

Pipeline signs will be installed along the right-of-way to indicate the pipeline proximity and ownership, as well as to provide emergency contact phone numbers. Above ground valves, T's, and/or cathodic protection will be installed at various locations for connection, corrosion prevention and/or for safety purposes.

D. Location and Type of Water Supply:

Water for drilling purposes will be obtained from one of the following sources:

- Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, application number 53617.
- Price Water Pumping Inc. Green River and White River, various sources, Water Right Number 49-1659, application number: a35745.

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.

E. Source of Construction Materials:

Construction operations will typically be completed with native materials found on location. If needed, construction materials that must be imported to the site (mineral material aggregate, soils or materials suitable for fill/surfacing) will be obtained from a nearby permitted source and described in subsequent Sundry requests. No construction materials will be removed from State lands without prior approval from SITLA.

F. Methods for Handling Waste Materials:

Should the well be productive, produced water will be contained in a water tank and will be transported by pipeline and/or truck to an approved disposal sites facilities and/or Salt Water Disposal (SWD) injection well. Currently, those facilities are:

RNI in Sec. 5 T9S R22E
 Ace Oilfield in Sec. 2 T6S R20E
 MC&MC in Sec. 12 T6S R19E
 Pipeline Facility in Sec. 36 T9S R20E
 Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
 Bonanza Evaporation Pond in Sec. 2 T10S R23E
 Ouray #1 SWD in Sec. 1 T9S R21E
 NBU 159 SWD in Sec. 35 T9S R21E
 CIGE 112D SWD in Sec. 19 T9S R21E
 CIGE 114 SWD in Sec. 34 T9S R21E
 NBU 921-34K SWD in Sec. 34 T9S R21E
 NBU 921-33F SWD in Sec. 33 T9S R21E
 NBU 921-34L SWD in Sec. 34 T9S R21E

Drill cuttings and/or fluids will be contained in the reserve/frac pit. Cuttings will be buried in pit(s) upon closure. Unless otherwise approved, no oil or other oil-based drilling additives, chromium/metals-based, or saline muds will be used during drilling. Only fresh water (as specified above), biodegradable polymer soap, bentonite clay, and/or non-toxic additives will be used in the mud system.

Pits will be constructed to minimize the accumulation of surface runoff. Should fluid hydrocarbons be encountered during drilling, completions or well testing, product will either be contained in test tanks on the well site or evacuated

by vacuum trucks and transported to an approved disposal/sales facility. Should petroleum hydrocarbons unexpectedly be released into a pit, they will be removed as soon as practical but in no case will they remain longer than 72 hours unless an alternate is approved by SITLA. Should timely removal prove infeasible, the pit will be netted with mesh no larger than 1 inch until such time as hydrocarbons can be removed. Hydrocarbon removal will also take place prior to the closure of the pit, unless authorization is provided for disposal via alternative pit closure methods (e.g. solidification.)

The reserve and/or fracture stimulation pit will be lined with a synthetic material 20 mil or thicker. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, bentonite, straw, etc.) that could damage the liner. Any additional pits necessary for subsequent operations, such as temporary flare or workover pits, will be contained within the originally approved well pad and disturbance boundaries. Such temporary pits will be backfilled and reclaimed within 180 days of completion of work at a well location.

For the protection of livestock and wildlife, all open pits and cellars will be fenced/covered to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as 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.

Pits containing drilling cuttings, mud, and/or completions fluids will be allowed to dry. Any free fluids remaining after six (6) months from reaching total depth, date of completion, and/or determination of inactivity will be removed (as weather conditions allow) to an approved site and the pit reclaimed. Additional drying methods may include fly-ash solidification or sprinkler evaporation. Installation and operation of any sprinklers, pumps, and equipment will ensure that water spray or mist does not drift. Reserve pit liners will be cut off or folded as near to the mud surface as possible and as safety considerations allow and buried on location.

No garbage or non-exempt substances as defined by Resource Conservation and Recovery Act (RCRA) subtitle C will be placed in the reserve pit. All refuse generated during construction, drilling, completion, and well testing activities will be contained in an enclosed receptacle, removed from the drill locations promptly, and transported to an approved disposal facility.

Portable, self-contained chemical toilets and/or sewage processing facilities will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. All applicable regulations pertaining to disposal of human and solid waste will be observed.

Any undesirable event, including accidental release of fluids, or release in excess of reportable quantities, will be managed according to the notification requirements of UDOGMs "Reporting Oil and Gas Undesirable Events" rule. Where State wells are participatory to a Federal agreement, according to NTL-3A, the appropriate Federal agencies will be notified.

Materials Management

Hazardous materials above reportable quantities will not be produced by drilling or completing proposed wells or constructing the pipelines/facilities. The term "hazardous materials" as used here means: (1) any substance, pollutant, or

containment listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended 42 U.S.C. 9601 et seq., and the regulations issued under CERCLA; and (2) any hazardous waste as defined in RCRA of 1976, as amended. In addition, no extremely hazardous substance, as defined in 40 CFR 355, in threshold planning quantities, would be used, produced, stored, transported, or disposed of while producing any well.

Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act (SARA) in quantities of 10,000 pounds or more may be produced and/or stored at production facilities and may be kept in limited quantities on drilling sites and well locations for short periods of time during drilling or completion activities.

G. Ancillary Facilities:

None are anticipated.

H. Well Site Layout (see Well Pad Design Summary):

The location, orientation and aerial extent of each drill pad; reserve/completion/flare pit; access road ingress/egress points, drilling rig, dikes/ditches, existing wells/infrastructure; proposed cuts and fills; and topsoil and spoil material stockpile locations are depicted on the exhibits for each project, where applicable. Site-specific conditions may require slight deviation in actual equipment and facility layout; however, the area of disturbance, as described in the survey, will not be exceeded.

Coordinates are provided in the National Spatial Reference System, North American Datum, 1927 (NAD27) or latest edition. Distances are depicted on each plat to the nearest two adjacent section lines.

I. Plans for Reclamation of the Surface:

Surface reclamation will be undertaken in two phases: interim and final. Interim reclamation is conducted following well completion and extends through the period of production. This reclamation is for the area of the well pad that is not required for production activities. Final reclamation is conducted following well plugging/conversion and/or facility abandonment processes.

Reclamation activities in both phases may include but is not limited to the re-contouring or re-configuration of topographic surfaces, restoration of drainage systems, segregation of spoils materials, minimizing surface disturbance, re-evaluating backfill requirements, pit closure, topsoil redistribution, soil treatments, seeding and weed control.

Interim Reclamation

Interim reclamation includes pit closure, re-contouring (where possible), soil bed preparation, topsoil placement, seeding, and/or weed control.

Interim re-contouring involves bringing all construction material from cuts and fills back onto the well pad and site and reestablishing the natural contours where desirable and practical. Fill and stockpiled spoils no longer necessary to the operation will be spread on the cut slopes and covered with stockpiled topsoil. All stockpiled top soils will be used for

interim reclamation where practical to maintain soil viability. Where possible, the land surface will be left "rough" after re-contouring to ensure that the maximum surface area will be available to support the reestablishment of vegetative cover.

A reserve pit, upon being allowed to dry, will be backfilled and compacted with cover materials that are void of any topsoil, vegetation, large stones, rocks or foreign objects. Soils that are moisture laden, saturated, or partially/completely frozen will not be used for backfill or cover. The pit area will be mounded to allow for settling and to promote positive surface drainage away from the pit.

Final Reclamation

Final reclamation will be performed for newly drilled unproductive wells and/or at the end of the life of a productive well. As soon as practical after the conclusion of drilling and testing operations, unproductive drill holes will be plugged and abandoned (P&A). Site and road reclamation will commence following plugging. In no case will reclamation at non-producing locations be initiated later than six (6) months from the date a well is plugged. A joint inspection of the disturbed area to be reclaimed may be requested by KMG. The primary purpose of this inspection will be to review the existing conditions, or agree upon a revised final reclamation and abandonment plan. A Notice of Intent to Abandon will be filed for final recommendations regarding surface reclamation.

After plugging, all wellhead equipment that is no longer needed will be removed, and the well site will be reclaimed. Final contouring will blend with and follow as closely as practical the natural terrain and contours of the original site and surrounding areas. After re-contouring, final grading will be conducted over the entire surface of the well site and access road. Where practical, the area will be ripped to a depth of 18 to 24 inches on 18 to 24-inch centers and surface materials will be pitted with small depressions to form longitudinal depressions 12 to 18 inches deep perpendicular to the natural flow of water.

All unnecessary surface equipment and structures (e.g. cattle guards) and water control structures (e.g. culverts, drainage pipes) not needed to facilitate successful reclamation will be removed during final reclamation. Roads that will be reclaimed will be ripped to a depth of 18 inches where practical, re-contoured to approximate the original contour of the ground and seeded.

Upon successfully completing reclamation of a P&A location, a Final Abandonment Notice will be submitted to UDOGM.

Seeding and Measures Common to Interim and Final Reclamation

Reclaimed areas may be fenced to exclude grazing and encourage re-vegetation.

On slopes where severe erosion can become a problem and the use of machinery is not practical, seed will be hand broadcast and raked with twice the specified amount of seed. The slope will be stabilized using materials specifically designed to prevent erosion on steep slopes and hold seed in place so vegetation can become permanently established. These materials will include, but are not limited to, erosion control blankets and bonded fiber matrix at a rate to achieve a minimum of 80 percent soil coverage.

Seeding will occur year-round as conditions allow. Seed mixes appropriate to the native plant community as determined

and specified for each project location based on the site specific soils will be used for re-vegetation. The site specific seed mix will be provided by SITLA.

J. Surface/Mineral Ownership:

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

L. Other Information:

None

NBU 1022-12J4BS/ 1022-12J4CS/ 1022-12N1BS/
1022-12N1CS/ 1022-12N4BS/ 1022-12N4CS

Surface Use Plan of Operations
9 of 9

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

Gina T. Becker
Regulatory Analyst II
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6086

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

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 for State lease activities is provided by State Surety Bond 22013542, and for applicable Federal lease activities and pursuant to 43 CFR 3104, by Bureau of Land Management Nationwide Bond WYB000291.

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 I have full knowledge of the State and Federal laws applicable to this operation; 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 in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.



Gina T. Becker

September 8, 2011

Date



Joseph D. Johnson
1099 18TH STREET STE. 1800 • DENVER, CO
80202
720-929-6708 • FAX 720-929-7708
E-MAIL: JOE.JOHNSON@ANADARKO.COM

September 7, 2011

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

Re: Directional Drilling R649-3-11
NBU 1022-12J4CS
10S-22E-Sec. 12
SWSE/NWSE
Surface: 1240' FSL, 2341' FEL
Bottom Hole: 1409' FSL, 1817' FEL
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, 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.

- Kerr-McGee's NBU 1022-12J4CS is located within the Natural Buttes Unit area.
- Kerr-McGee 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 will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee 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 LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

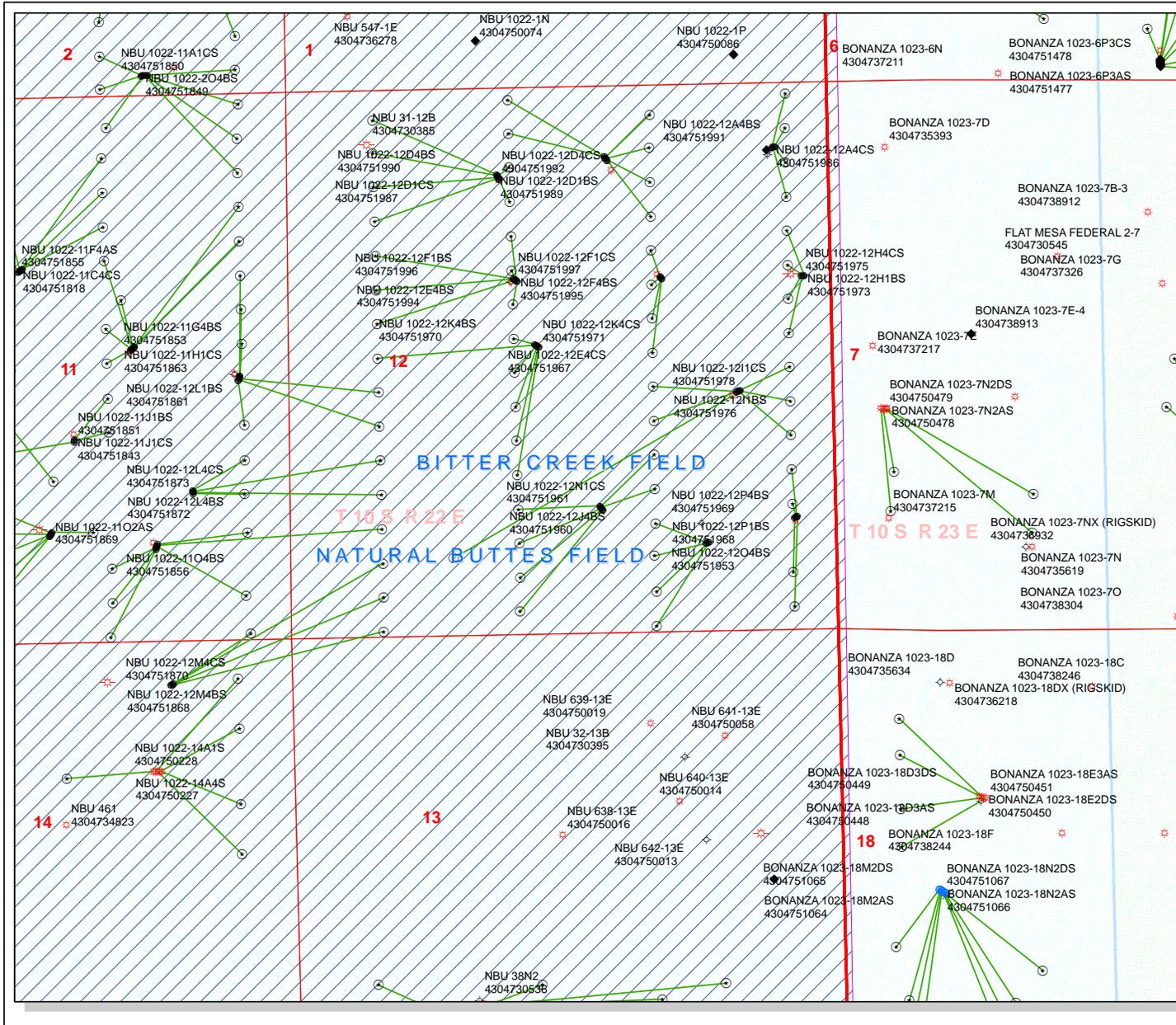
KERR-MCGEE OIL & GAS ONSHORE LP

A handwritten signature in blue ink, appearing to read 'Joe D. Johnson', with a horizontal line underneath.

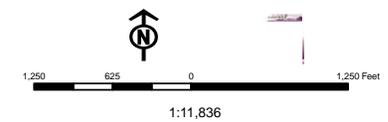
Joseph D. Johnson
Landman

API Number: 4304751956
Well Name: NBU 1022-12J4CS
 Township T10. Range R2.2. Section 12
 Meridian: SLBM
 Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
 Map Produced by Diana Mason



Units	Wells Query
STATUS	Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRIL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Fields	STATUS
Unknown	SGW - Shut-in Gas Well
ABANDONED	SOW - Shut-in Oil Well
ACTIVE	TA - Temp. Abandoned
COMBINED	TW - Test Well
INACTIVE	WDW - Water Disposal
STORAGE	WIW - Water Injection Well
TERMINATED	WSW - Water Supply Well
Sections	
Township	



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)

September 19, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 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 2011 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
NBU 1022-12H PAD		
43-047-51941	NBU 1022-12H4BS	Sec 12 T10S R22E 1846 FNL 0361 FEL BHL Sec 12 T10S R22E 2071 FNL 0491 FEL
43-047-51942	NBU 1022-12H1CS	Sec 12 T10S R22E 1843 FNL 0341 FEL BHL Sec 12 T10S R22E 1740 FNL 0491 FEL
43-047-51973	NBU 1022-12H1BS	Sec 12 T10S R22E 1842 FNL 0331 FEL BHL Sec 12 T10S R22E 1408 FNL 0491 FEL
43-047-51975	NBU 1022-12H4CS	Sec 12 T10S R22E 1845 FNL 0351 FEL BHL Sec 12 T10S R22E 2402 FNL 0492 FEL
NBU 1022-12O PAD		
43-047-51943	NBU 1022-12N4BS	Sec 12 T10S R22E 1224 FSL 2329 FEL BHL Sec 12 T10S R22E 0580 FSL 2150 FWL
43-047-51945	NBU 1022-12N4CS	Sec 12 T10S R22E 1216 FSL 2323 FEL BHL Sec 12 T10S R22E 0251 FSL 2141 FWL
43-047-51956	NBU 1022-12J4CS	Sec 12 T10S R22E 1240 FSL 2341 FEL BHL Sec 12 T10S R22E 1409 FSL 1817 FEL
43-047-51959	NBU 1022-12N1BS	Sec 12 T10S R22E 1257 FSL 2352 FEL BHL Sec 12 T10S R22E 1242 FSL 2147 FWL
43-047-51960	NBU 1022-12J4BS	Sec 12 T10S R22E 1249 FSL 2346 FEL BHL Sec 12 T10S R22E 1740 FSL 1816 FEL

RECEIVED: September 20, 2011

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-047-51961	NBU 1022-12N1CS	Sec 12 T10S R22E 1232 FSL 2335 FEL
	BHL	Sec 12 T10S R22E 0911 FSL 2149 FWL
NBU 1022-12B PAD		
43-047-51944	NBU 1022-12B1BS	Sec 12 T10S R22E 0668 FNL 2232 FEL
	BHL	Sec 12 T10S R22E 0259 FNL 1797 FEL
43-047-51979	NBU 1022-12C1BS	Sec 12 T10S R22E 0651 FNL 2244 FEL
	BHL	Sec 12 T10S R22E 0089 FNL 2138 FWL
43-047-51980	NBU 1022-12B1CS	Sec 12 T10S R22E 0676 FNL 2227 FEL
	BHL	Sec 12 T10S R22E 0579 FNL 1806 FEL
43-047-51981	NBU 1022-12C1CS	Sec 12 T10S R22E 0660 FNL 2238 FEL
	BHL	Sec 12 T10S R22E 0414 FNL 2133 FWL
43-047-51982	NBU 1022-12B4BS	Sec 12 T10S R22E 0684 FNL 2221 FEL
	BHL	Sec 12 T10S R22E 0910 FNL 1807 FEL
43-047-51983	NBU 1022-12B4CS	Sec 12 T10S R22E 0692 FNL 2215 FEL
	BHL	Sec 12 T10S R22E 1241 FNL 1808 FEL
NBU 1022-12P PAD		
43-047-51947	NBU 1022-12P4CS	Sec 12 T10S R22E 1115 FSL 0442 FEL
	BHL	Sec 12 T10S R22E 0246 FSL 0491 FEL
43-047-51962	NBU 1022-12I4CS	Sec 12 T10S R22E 1112 FSL 0451 FEL
	BHL	Sec 12 T10S R22E 1574 FSL 0493 FEL
43-047-51968	NBU 1022-12P1BS	Sec 12 T10S R22E 1109 FSL 0461 FEL
	BHL	Sec 12 T10S R22E 1240 FSL 0489 FEL
43-047-51969	NBU 1022-12P4BS	Sec 12 T10S R22E 1105 FSL 0470 FEL
	BHL	Sec 12 T10S R22E 0580 FSL 0494 FEL
NBU 1022-12P2 PAD		
43-047-51949	NBU 1022-12O1BS	Sec 12 T10S R22E 0877 FSL 1322 FEL
	BHL	Sec 12 T10S R22E 1077 FSL 1818 FEL
43-047-51950	NBU 1022-12O1CS	Sec 12 T10S R22E 0873 FSL 1331 FEL
	BHL	Sec 12 T10S R22E 0761 FSL 1834 FEL
43-047-51953	NBU 1022-12O4BS	Sec 12 T10S R22E 0881 FSL 1313 FEL
	BHL	Sec 12 T10S R22E 0415 FSL 1820 FEL
43-047-51954	NBU 1022-12O4CS	Sec 12 T10S R22E 0885 FSL 1304 FEL
	BHL	Sec 12 T10S R22E 0082 FSL 1828 FEL
NBU 1022-12A PAD		
43-047-51951	NBU 1022-12A1BS	Sec 12 T10S R22E 0598 FNL 0621 FEL
	BHL	Sec 12 T10S R22E 0081 FNL 0481 FEL
43-047-51952	NBU 1022-12A1CS	Sec 12 T10S R22E 0591 FNL 0592 FEL
	BHL	Sec 12 T10S R22E 0414 FNL 0490 FEL

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESA VERDE)		
43-047-51986	NBU 1022-12A4CS	Sec 12 T10S R22E 0596 FNL 0611 FEL BHL Sec 12 T10S R22E 1077 FNL 0491 FEL
43-047-51991	NBU 1022-12A4BS	Sec 12 T10S R22E 0593 FNL 0601 FEL BHL Sec 12 T10S R22E 0746 FNL 0490 FEL
NBU 1022-12I PAD		
43-047-51955	NBU 1022-12J1CS	Sec 12 T10S R22E 2333 FSL 1011 FEL BHL Sec 12 T10S R22E 2071 FSL 1815 FEL
43-047-51957	NBU 1022-12J1BS	Sec 12 T10S R22E 2337 FSL 1002 FEL BHL Sec 12 T10S R22E 2402 FSL 1814 FEL
43-047-51958	NBU 1022-12I4BS	Sec 12 T10S R22E 2341 FSL 0993 FEL BHL Sec 12 T10S R22E 1905 FSL 0493 FEL
43-047-51976	NBU 1022-12I1BS	Sec 12 T10S R22E 2350 FSL 0974 FEL BHL Sec 12 T10S R22E 2568 FSL 0492 FEL
43-047-51978	NBU 1022-12I1CS	Sec 12 T10S R22E 2345 FSL 0984 FEL BHL Sec 12 T10S R22E 2237 FSL 0492 FEL
NBU 1022-12G PAD		
43-047-51963	NBU 1022-12G1CS	Sec 12 T10S R22E 1833 FNL 1721 FEL BHL Sec 12 T10S R22E 1904 FNL 1810 FEL
43-047-51972	NBU 1022-12G4BS	Sec 12 T10S R22E 1841 FNL 1715 FEL BHL Sec 12 T10S R22E 2235 FNL 1812 FEL
43-047-51974	NBU 1022-12G1BS	Sec 12 T10S R22E 1826 FNL 1727 FEL BHL Sec 12 T10S R22E 1572 FNL 1809 FEL
43-047-51977	NBU 1022-12G4CS	Sec 12 T10S R22E 1849 FNL 1709 FEL BHL Sec 12 T10S R22E 2566 FNL 1813 FEL
NBU 1022-12F4 PAD		
43-047-51964	NBU 1022-12F4CS	Sec 12 T10S R22E 2462 FNL 2342 FWL BHL Sec 12 T10S R22E 2401 FNL 2141 FWL
43-047-51965	NBU 1022-12K1BS	Sec 12 T10S R22E 2473 FNL 2359 FWL BHL Sec 12 T10S R22E 2567 FSL 2142 FWL
43-047-51966	NBU 1022-12K1CS	Sec 12 T10S R22E 2479 FNL 2367 FWL BHL Sec 12 T10S R22E 2236 FSL 2144 FWL
43-047-51967	NBU 1022-12E4CS	Sec 12 T10S R22E 2467 FNL 2350 FWL BHL Sec 12 T10S R22E 2565 FNL 0822 FWL
43-047-51970	NBU 1022-12K4BS	Sec 12 T10S R22E 2484 FNL 2375 FWL BHL Sec 12 T10S R22E 1904 FSL 2145 FWL
43-047-51971	NBU 1022-12K4CS	Sec 12 T10S R22E 2490 FNL 2384 FWL BHL Sec 12 T10S R22E 1573 FSL 2146 FWL

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ WASATCH-MESA VERDE)

NBU 1022-12CPAD

43-047-51984	NBU 1022-12C4BS	Sec 12 T10S R22E 0827 FNL 2020 FWL
	BHL	Sec 12 T10S R22E 0745 FNL 2134 FWL

43-047-51985	NBU 1022-12C4CS	Sec 12 T10S R22E 0855 FNL 2031 FWL
	BHL	Sec 12 T10S R22E 1076 FNL 2135 FWL

43-047-51987	NBU 1022-12D1CS	Sec 12 T10S R22E 0818 FNL 2016 FWL
	BHL	Sec 12 T10S R22E 0579 FNL 0819 FWL

43-047-51989	NBU 1022-12D1BS	Sec 12 T10S R22E 0809 FNL 2013 FWL
	BHL	Sec 12 T10S R22E 0260 FNL 0823 FWL

43-047-51990	NBU 1022-12D4BS	Sec 12 T10S R22E 0837 FNL 2024 FWL
	BHL	Sec 12 T10S R22E 0910 FNL 0819 FWL

43-047-51992	NBU 1022-12D4CS	Sec 12 T10S R22E 0846 FNL 2027 FWL
	BHL	Sec 12 T10S R22E 1241 FNL 0820 FWL

NBU 1022-12FPAD

43-047-51988	NBU 1022-12E1BS	Sec 12 T10S R22E 1818 FNL 2146 FWL
	BHL	Sec 12 T10S R22E 1572 FNL 0820 FWL

43-047-51993	NBU 1022-12E1CS	Sec 12 T10S R22E 1824 FNL 2154 FWL
	BHL	Sec 12 T10S R22E 1903 FNL 0821 FWL

43-047-51994	NBU 1022-12E4BS	Sec 12 T10S R22E 1835 FNL 2170 FWL
	BHL	Sec 12 T10S R22E 2234 FNL 0821 FWL

43-047-51995	NBU 1022-12F4BS	Sec 12 T10S R22E 1847 FNL 2187 FWL
	BHL	Sec 12 T10S R22E 2070 FNL 2140 FWL

43-047-51996	NBU 1022-12F1BS	Sec 12 T10S R22E 1841 FNL 2179 FWL
	BHL	Sec 12 T10S R22E 1407 FNL 2137 FWL

43-047-51997	NBU 1022-12F1CS	Sec 12 T10S R22E 1830 FNL 2162 FWL
	BHL	Sec 12 T10S R22E 1739 FNL 2138 FWL

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
 DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals,
 email=Michael_Coulthard@blm.gov, c=US
 Date: 2011.09.19 14:47:24 -0600

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

MCoulthard:mc:9-19-11

RECEIVED: September 20, 2011

From: Diana Mason
To:
Subject: Fwd: Kerr McGee APD approvals

The following APDs have been approved by SITLA including arch and paleo clearance.

NBU 1022-12A1BS (4304751951)
NBU 1022-12A1CS (4304751952)
NBU 1022-12A4CS (4304751986)
)NBU 1022-12A4BS (4304751991)
NBU 1022-12J1CS (4304751955)
NBU 1022-12J1BS (4304751957)
NBU 1022-12I4BS (4304751958)
NBU 1022-12I1BS (4304751976)
NBU 1022-12I1CS (4304751978)
NBU 1022-12B1BS (4304751944)
)NBU 1022-12C1BS (4304751979)
NBU 1022-12B1CS (4304751980)
)NBU 1022-12C1CS (4304751981)
NBU 1022-12B4BS (4304751982)
NBU 1022-12B4CS (4304751983)
)NBU 1022-12H4BS (4304751941)
NBU 1022-12H1CS (4304751942)
NBU 1022-12H1BS (4304751973)
NBU 1022-12H4CS (4304751975)
NBU 1022-12F4CS (4304751964)
NBU 1022-12K1BS (4304751965)
NBU 1022-12K1CS (4304751966)
NBU 1022-12E4CS (4304751967)
NBU 1022-12K4BS (4304751970)
NBU 1022-12K4CS (4304751971)
NBU 1022-12O1BS (4304751949)
NBU 1022-12O1CS (4304751950)
NBU 1022-12O4BS (4304751953)
NBU 1022-12O4CS (4304751954)
NBU 1022-12P4CS (4304751947)
NBU 1022-12I4CS (4304751962)
NBU 1022-12P1BS (4304751968)
NBU 1022-12P4BS (4304751969)
NBU 1022-12G1CS (4304751963)
NBU 1022-12G4BS (4304751972)
NBU 1022-12G1BS (4304751974)
NBU 1022-12G4CS (4304751977)
NBU 1022-12N4BS (4304751943)
NBU 1022-12N4CS (4304751945)
NBU 1022-12J4CS (4304751956)
NBU 1022-12N1BS (4304751959)
NBU 1022-12J4BS (4304751960)
NBU 1022-12N1CS (4304751961)

-Jim Davis

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

Well Name	KERR-MCGEE OIL & GAS ONSHORE, L.P. NBU 1022-12J4CS			
String	Surf	Prod		
Casing Size(")	8.625	4.500		
Setting Depth (TVD)	2115	8410		
Previous Shoe Setting Depth (TVD)	40	2115		
Max Mud Weight (ppg)	8.3	12.5		
BOPE Proposed (psi)	500	5000		
Casing Internal Yield (psi)	3390	7780		
Operators Max Anticipated Pressure (psi)	5382	12.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	913	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	659	NO <input type="text" value="air drill"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	448	YES <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	457	NO <input type="text" value="Reasonable for area"/>
Required Casing/BOPE Test Pressure=		2115	psi
*Max Pressure Allowed @ Previous Casing Shoe=		40	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	5467	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4458	YES <input type="text"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3617	YES <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4082	NO <input type="text" value="Reasonable"/>
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2115	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="text"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="text"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="text"/>
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

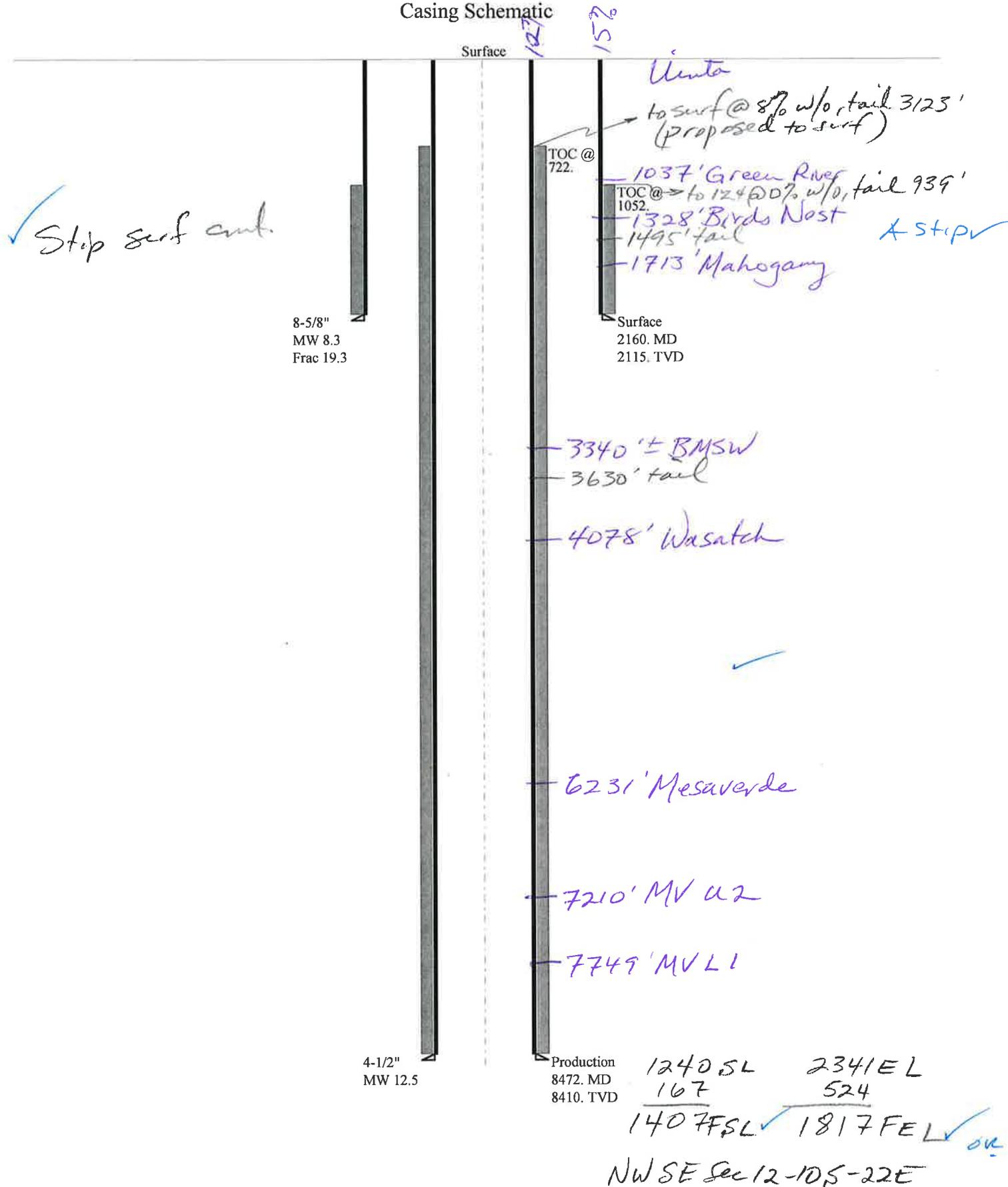
Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="text"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="text"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="text"/>
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43047519560000

*Max Pressure Allowed @ Previous Casing Shoe=	<input type="text"/>	psi *Assumes 1psi/ft frac gradient
---	----------------------	------------------------------------

43047519560000 NBU 1022-12J4CS

Casing Schematic



1240 SL	2341 EL
167	524
1407 FSL ✓	1817 FEL ✓

NW SE Sec 12-10S-22E

Well name:	43047519560000 NBU 1022-12J4CS		
Operator:	KERR-MCGEE OIL & GAS ONSHORE, L.P.		
String type:	Surface	Project ID:	43-047-51956
Location:	UINTAH	COUNTY	

Design parameters:

Collapse

Mud weight: 8.330 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 104 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 1,052 ft

Burst

Max anticipated surface pressure: 1,901 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP 2,155 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.70 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Tension is based on air weight.
 Neutral point: 1,891 ft

Directional Info - Build & Drop

Kick-off point 300 ft
 Departure at shoe: 380 ft
 Maximum dogleg: 2 °/100ft
 Inclination at shoe: 14.75 °

Re subsequent strings:

Next setting depth: 8,472 ft
 Next mud weight: 12.500 ppg
 Next setting BHP: 5,501 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 2,160 ft
 Injection pressure: 2,160 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)	Est. Cost (\$)
1	2160	8.625	28.00	I-55	LT&C	2115	2160	7.892	85536
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	915	1880	2.054	2155	3390	1.57	59.2	348	5.88 J

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

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

Date: November 4, 2011
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2115 ft, a mud weight of 8.33 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.

Well name:	43047519560000 NBU 1022-12J4CS		
Operator:	KERR-MCGEE OIL & GAS ONSHORE, L.P.		
String type:	Production	Project ID:	43-047-51956
Location:	UINTAH COUNTY		

Design parameters:

Collapse

Mud weight: 12.500 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 192 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 722 ft

Burst

Max anticipated surface pressure: 3,611 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 5,461 psi

No backup mud specified.

Tension:

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

Directional Info - Build & Drop

Kick-off point 300 ft
 Departure at shoe: 550 ft
 Maximum dogleg: 2 °/100ft
 Inclination at shoe: 0 °

Tension is based on air weight.
 Neutral point: 6,901 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8472	4.5	11.60	I-80	LT&C	8410	8472	3.875	111830
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	5461	6360	1.165	5461	7780	1.42	97.6	212	2.17 J

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

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

Date: November 4, 2011
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8410 ft, a mud weight of 12.5 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

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 1022-12J4CS
API Number 43047519560000 **APD No** 4613 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 SWSE **Sec** 12 **Tw** 10.0S **Rng** 22.0E 1240 **FSL** 2341 **FEL**
GPS Coord (UTM) 637815 4424301 **Surface Owner**

Participants

Andy Lytle, Sheila Wopsock, Charles Chase, Grizz Oleen, Jaime Scharnowski, Doyle Holmes, (Kerr McGee). John Slauch, Mitch Batty, (Timberline). Jim Davis (SITLA). Ben Williams (DWR). David Hackford, (DOGGM).

Regional/Local Setting & Topography

The general area is in the southeast portion of the Natural Buttes Unit.. Within this area is the White River and rugged drainages that drain into it. 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 is approx. 0.3 miles to the west. 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 48.5 miles to the northwest. Access from Vernal is by following Utah State, Uintah County and oilfield development roads. Five wells, in addition to this one (for a total of six) will be directionally drilled from this pad. This proposed location will be a new pad. A 570 foot new access road will be constructed. The proposed location will run in a northwest-southeast direction along the top of a sharp, steep ridge. This ridge breaks off sharply into rugged secondary canyons especially on the west and south sides. The reserve pit will be on the southwest side of the location and the excess cut stockpile will be on the west and south sides of the location. The northeast side of the location will be compacted fill. The pad should be stable and should be a suitable location for six wells, and is on the best site available in the immediate area.

Surface Use Plan

Current Surface Use

Grazing
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.1	Width 307 Length 425	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Prickly pear, wild onion, shadscale, mat saltbrush, Indian ricegrass, halogeton, pepper grass, annuals and curly Vegetation is a salt desert shrub type. Principal species present are cheatgrass, black sagebrush, stipa, mesquite grass.

Sheep, antelope, coyote, raptors, small mammals and birds.

Soil Type and Characteristics

Rocky sandy clay loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues Y

North corner of location will be 7.4 foot of fill. This must be compacted during location construction.

Drainage Diverson Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	High permeability	20	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	50	1 Sensitivity Level

Characteristics / Requirements

The reserve pit is planned in an area of cut on the southwest side of the location. Dimensions are 100' x 260' x 12' deep with two feet of freeboard. Kerr McGee agreed to line this pit with a 16 mil synthetic liner and a layer of felt sub-liner.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

David Hackford
Evaluator

10/12/2011
Date / Time

Application for Permit to Drill Statement of Basis

11/22/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4613	43047519560000	SITLA	GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P.		Surface Owner-APD		
Well Name	NBU 1022-12J4CS	Unit		NATURAL BUTTES	
Field	NATURAL BUTTES	Type of Work		DRILL	
Location	SWSE 12 10S 22E S 1240 FSL 2341 FEL GPS Coord (UTM)			637747E	4424517N

Geologic Statement of Basis

Kerr McGee proposes to set 2,160' 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 3,340'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 12. 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

11/2/2011
Date / Time

Surface Statement of Basis

The general area is in the southeast portion of the Natural Buttes Unit. Within this area is the White River and rugged drainages that drain into it. 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 is 0.3 miles to the east. 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 48.5 miles to the northwest. Access from Vernal is by following Utah State, Uintah County and oilfield development roads. A 570' new access road will be constructed.

Six wells will be directionally drilled from this location. They are the NBU 1022-12J4BS, NBU 1022-12J4CS, NBU 1022-12N1BS, NBU 1022-12N1CS, NBU 1022-12N4BS and the NBU 1022-12N4CS. The proposed location is on a sharp, steep ridge that runs in an east-west direction. This ridge breaks off sharply into rugged secondary canyons especially to the west and south sides. The pad as constructed should be stable and sufficient for six wells, and is the best site in the immediate area.

Excess material will be stockpiled on the west and south sides of the location. The north corner of the location will be fill and will be compacted during location construction.

Both the surface and minerals are owned by SITLA. Jim Davis of SITLA and Ben Williams with DWR were invited by email to the pre-site evaluation. Both were present. Kerr McGee was told to consult with SITLA for reclamation standards including seeding mixes to be used.

David Hackford
Onsite Evaluator

10/12/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the southwest side of the location.

RECEIVED: November 22, 2011

**Application for Permit to Drill
Statement of Basis**

11/22/2011

Utah Division of Oil, Gas and Mining

Page 2

Surface

The well site shall be bermed to prevent fluids from leaving the pad.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/13/2011**API NO. ASSIGNED:** 43047519560000**WELL NAME:** NBU 1022-12J4CS**OPERATOR:** KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)**PHONE NUMBER:** 720 929-6086**CONTACT:** Gina Becker**PROPOSED LOCATION:** SWSE 12 100S 220E**Permit Tech Review:** **SURFACE:** 1240 FSL 2341 FEL**Engineering Review:** **BOTTOM:** 1409 FSL 1817 FEL**Geology Review:** **COUNTY:** UINTAH**LATITUDE:** 39.95959**LONGITUDE:** -109.38726**UTM SURF EASTINGS:** 637747.00**NORTHINGS:** 4424517.00**FIELD NAME:** NATURAL BUTTES**LEASE TYPE:** 3 - State**LEASE NUMBER:** UT ST UO 01997-A ST**PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**

- PLAT**
- Bond:** STATE/FEE - 22013542
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** 43-8496
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

Commingle Approved**LOCATION AND SITING:**

- R649-2-3.**
- Unit:** NATURAL BUTTES
- R649-3-2. General**
- R649-3-3. Exception**
- Drilling Unit**
- Board Cause No:** Cause 173-14
- Effective Date:** 12/2/1999
- Siting:** Suspends General Siting
- R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:

- 3 - Commingle - ddoucet
- 5 - Statement of Basis - bhill
- 15 - Directional - dmason
- 17 - Oil Shale 190-5(b) - dmason
- 25 - Surface Casing - hmacdonald



GARY R. HERBERT
Governor

GREGORY S. BELL
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

Permit To Drill

Well Name: NBU 1022-12J4CS
API Well Number: 43047519560000
Lease Number: UT ST UO 01997-A ST
Surface Owner: STATE
Approval Date: 11/22/2011

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

Commingle:

In accordance with Board Cause No. 173-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

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.

Conditions of Approval:

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.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

Additional Approvals:

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

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

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

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

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

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
UT ST UO 01197-A 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:
UTU63047A

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
Multiple Well Locations

2. NAME OF OPERATOR:
Kerr-McGee Oil & Gas Onshore, L.P.

9. API NUMBER:

3. ADDRESS OF OPERATOR:
P.O. Box 173779 Denver CO 80217

PHONE NUMBER:
(720) 929-6086

10. FIELD AND POOL, OR W/LDCAT
Natural Buttes

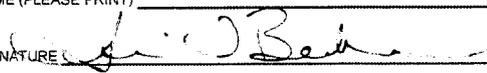
4. LOCATION OF WELL
FOOTAGES AT SURFACE: **Various Locations in T10S-R22E, Section 12** COUNTY: **Uintah**
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **12 10S 22E 6** STATE: **UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>4/23/2012</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input 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>Lease Number</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Correction</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Kerr-McGee is requesting approval to correct the lease number from UT ST UO 01997-A ST to UT ST UO 01197-A ST for various well locations. Please see attached well list.

Thank you!

NAME (PLEASE PRINT) Gina T Becker TITLE Senior Regulatory Analyst
SIGNATURE  DATE 4/23/2012

(This space for State use only)

RECEIVED
APR 24 2012

	API UWI NO	WELL NAME	SL STATE	SL SECTION	SL TOWNSHIP	SL RANGE	SL COUNTY NAME	GOV LEASE NO	FEDERAL LEASE NO
1	4304751951	NBU 1022-12A1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
2	4304751952	NBU 1022-12A1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
3	4304751991	NBU 1022-12A4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
4	4304751986	NBU 1022-12A4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
5	4304751944	NBU 1022-12B1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
6	4304751980	NBU 1022-12B1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
7	4304751982	NBU 1022-12B4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
8	4304751983	NBU 1022-12B4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
9	4304751979	NBU 1022-12C1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
10	4304751981	NBU 1022-12C1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
11	4304751984	NBU 1022-12C4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
12	4304751985	NBU 1022-12C4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
13	4304751989	NBU 1022-12D1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
14	4304751987	NBU 1022-12D1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
15	4304751990	NBU 1022-12D4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
16	4304751992	NBU 1022-12D4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
17	4304751988	NBU 1022-12E1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
18	4304751993	NBU 1022-12E1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
19	4304751994	NBU 1022-12E4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
20	4304751996	NBU 1022-12F1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
21	4304751997	NBU 1022-12F1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
22	4304751995	NBU 1022-12F4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
23	4304751967	NBU 1022-12E4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
24	4304751964	NBU 1022-12F4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
25	4304751965	NBU 1022-12K1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
26	4304751966	NBU 1022-12K1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
27	4304751970	NBU 1022-12K4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
28	4304751971	NBU 1022-12K4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
29	4304751974	NBU 1022-12G1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
30	4304751963	NBU 1022-12G1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
31	4304751972	NBU 1022-12G4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
32	4304751977	NBU 1022-12G4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
33	4304751973	NBU 1022-12H1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
34	4304751942	NBU 1022-12H1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
35	4304751941	NBU 1022-12H4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
36	4304751975	NBU 1022-12H4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
37	4304751976	NBU 1022-12I1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
38	4304751978	NBU 1022-12I1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
39	4304751958	NBU 1022-12I4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
40	4304751957	NBU 1022-12J1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
41	4304751955	NBU 1022-12J1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
42	4304751960	NBU 1022-12J4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
43	4304751956	NBU 1022-12J4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
44	4304751959	NBU 1022-12N1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
45	4304751961	NBU 1022-12N1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
46	4304751943	NBU 1022-12N4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
47	4304751945	NBU 1022-12N4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
48	4304751962	NBU 1022-12I4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
49	4304751968	NBU 1022-12P1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A

	API UWI NO	WELL NAME	SL STATE	SL SECTION	SL TOWNSHIP	SL RANGE	SL COUNTY NAME	GOV LEASE NO	FEDERAL LEASE NO
50	4304751969	NBU 1022-12P4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
51	4304751947	NBU 1022-12P4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
52	4304751949	NBU 1022-12O1BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
53	4304751950	NBU 1022-12O1CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
54	4304751953	NBU 1022-12O4BS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A
55	4304751954	NBU 1022-12O4CS	UT	12	10	22	UINTAH	UT ST UO 01197-A ST	UTU63047A

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
 Submitted By GINA BECKER Phone Number 720.929.6086
 Well Name/Number NBU 1022-12J4CS
 Qtr/Qtr SWSE Section 12 Township 10S Range 22E
 Lease Serial Number UT ST UO 01997-A ST
 API Number 4304751956

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 05/01/2012 15:00 HRS AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 05/14/2012 08:00 HRS AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

RECEIVED
 MAY 01 2012
 DIV. OF OIL, GAS & MINING

Date/Time _____ AM PM

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT KENNY GATHINGS AT
435.828.0986 OR LOVEL YOUNG AT 435.781.7051

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
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 1022-12J4CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047519560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/1/2012 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
MIRU TRIPLE A BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 CONDUCTOR PIPE. CEMENT WITH 28 SACKS READY MIX. SPUD WELL LOCATION ON MAY 1, 2012 AT 22:00 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 14, 2012		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 5/14/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
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 1022-12J4CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047519560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/15/2012	<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 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.		
MIRU AIR RIG ON 5/13/2012. DRILLED SURFACE HOLE TO 2340'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 18, 2012		
NAME (PLEASE PRINT) Cara Mahler	PHONE NUMBER 720 929-6029	TITLE Regulatory Analyst I
SIGNATURE N/A		DATE 5/18/2012

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: P.O. BOX 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6247

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751943	NBU 1022-12N4BS		SWSE	12	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	5/1/2012			5/16/2012	
Comments: MIRU BUCKET RIG. <i>Wsmvd</i> SPUD WELL ON 05/01/2012 AT 1900 HRS. <i>BHL: SESW</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751956	NBU 1022-12J4CS		SWSE	12	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	5/1/2012			5/16/2012	
Comments: MIRU BUCKET RIG. <i>Wsmvd</i> SPUD WELL ON 05/01/2012 AT 2200 HRS. <i>BHL nuse</i>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751959	NBU 1022-12N1BS		SWSE	12	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	9999	2900	5/2/2012			5/16/2012	
Comments: MIRU BUCKET RIG. <i>Wsmvd</i> SPUD WELL ON 05/02/2012 AT 0900 HRS. <i>BHL: SESW</i>							

ACTION CODES:

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

JENN HAWKINS

Name (Please Print)

Jenn Hawkins

Signature

OPERATIONS SPECIALIST III 5/9/2012

Title

Date

RECEIVED

MAY 11 2012

(5/2000)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/6/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No activity for the month of June 2012. Surface casing set at 2,340'.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 July 10, 2012**

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/6/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
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 1022-12J4CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047519560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/3/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No activity for the month of July 2012. Surface casing set at 2,340'.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 August 06, 2012**

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 8/3/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
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 1022-12J4CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047519560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/5/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No Activity for the month of August 2012. Well TD at 2,340.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 September 05, 2012**

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 9/5/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/3/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No Activity for the month of September 2012. Well TD at 2,340.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 10, 2012

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/3/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/5/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No Activity for the month of October 2012. Well TD at 2,340.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 05, 2012

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/5/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/4/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No Activity for the month of November 2012. Well TD at 2,340.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 December 05, 2012

NAME (PLEASE PRINT) Lindsey Frazier	PHONE NUMBER 720 929-6857	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 12/4/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/2/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No Activity for the month of December 2012. Well TD at 2,340

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 January 03, 2013**

NAME (PLEASE PRINT) Lindsey Frazier	PHONE NUMBER 720 929-6857	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 1/2/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: UINTAH	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL Gas Well	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 Township: 10.0S Range: 22.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/4/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No Activity for the month of January 2013. Well TD at 2,340

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 February 07, 2013**

NAME (PLEASE PRINT) Laura Abrams	PHONE NUMBER 720 929-6356	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 2/4/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/4/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No Activity for the month of February 2013. Well TD at 2,340

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 04, 2013

NAME (PLEASE PRINT) Laura Abrams	PHONE NUMBER 720 929-6356	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 3/4/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
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 1022-12J4CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047519560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/3/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No Activity for the month of March 2013. Well TD at 2,340

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 April 04, 2013

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 4/3/2013	

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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-12J4CS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047519560000
PHONE NUMBER: 720 929-6511		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 type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	OTHER: <input style="width: 100px;" type="text"/>	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/3/2013		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;">No Activity for the month of April 2013. Well TD at 2,340.</p> <div style="text-align: right; margin-top: 20px;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>May 03, 2013</p> </div>		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 5/3/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 Township: 10.0S Range: 22.0E Meridian: S	8. WELL NAME and NUMBER: NBU 1022-12J4CS
PHONE NUMBER: 720 929-6511	9. API NUMBER: 43047519560000
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/29/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests approval for changes in the drilling plan. Specifically, the operator requests approval for a FIT wavier, closed loop drilling option, and a production casing change. The production casing change includes a switch from 4.5 inch I-80 11.6 BTC/LTC casing to 4.5 inch HCP 110 11.6 LB Ultra DQX/LTC casing. All other aspects of the previously approved drilling plan will not change. Please see closed loop attachment.

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

Date: May 02, 2013

By: *D. K. Duff*

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 4/29/2013	

Requested Drilling Options:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one cuttings storage area to be constructed on the drilling pad or a traditional drilling operation with one pit used for drilling and completion operations. The cuttings storage area will be used to contain only the de-watered drill cuttings and will be lined and bermed to prevent any liquid runoff. The drill cuttings will be buried in the completion pit once completion operations are completed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit will be lined with a synthetic material 20 mil or thicker and will be used for the completing of the wells on the pad or used as part of our Aandarko Completions Transportation System (ACTS). Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completions pit.

If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
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 1022-12J4CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047519560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/5/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for the month of May 2013. Well TD at Drilled to 2,340 ft.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 06, 2013		
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 6/5/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: UINTAH	
STATE: UTAH	

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

1. TYPE OF WELL Gas Well	11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 Township: 10.0S Range: 22.0E Meridian: S	

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/1/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 No activity for the month of June 2013. Well TD at Drilled to 2,340 ft.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 July 10, 2013**

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 7/1/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-
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 1022-12J4CS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047519560000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/5/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width:100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Drilled to 8,480 ft. in July 2013.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 08, 2013

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 8/5/2013	

State of Utah - Notification Form

Operator Anadarko Petroleum Rig Name/# PIONEER 54
Submitted By STUART NEILSON Phone Number 435-790-2921
Well Name/Number NBU 1022-12J4CS
Qtr/Qtr SW/SE Section 12 Township 10S Range 22E
Lease Serial Number UT ST UO 01997-A ST
API Number 43047519560000

Casing – Time casing run starts, not cementing times.

- Production Casing
 Other

Date/Time 7/31/13 4 AM PM

BOPE

- Initial BOPE test at surface casing point
 Other

Date/Time _ _ AM PM

Rig Move

Location To: NBU 1022-12P O PAD

Date/Time _ _ AM PM

Remarks WELL 4 OF 6 ON THE NBU 1022-12 O PAD

RECEIVED

JUL 31 2013

DIV. OF OIL, GAS & MINING

State of Utah - Notification Form

Operator Anadarko Petroleum Rig Name/# PIONEER 54
Submitted By STUART NEILSON Phone Number 435-790-2921
Well Name/Number NBU 1022-12J4CS
Qtr/Qtr SW/SE Section 12 Township 10S Range 22E
Lease Serial Number UT ST UO 01997-A ST
API Number 43047519560000

Casing – Time casing run starts, not cementing times.

- Production Casing
- Other

Date/Time _ _ AM PM

BOPE

- Initial BOPE test at surface casing point
- Other

Date/Time 7/28/13 10:00 AM PM

Rig Move

Location To: NBU 1022-12P O PAD

Date/Time _ _ AM PM

RECEIVED
JUL 29 2013

DIV. OF OIL, GAS & MINING

Remarks WELL 4 OF 6 ON THE NBU 1022-12 O PAD

State of Utah - Notification Form

Operator Anadarko Petroleum Rig Name/# PIONEER 54
Submitted By STUART NEILSON Phone Number 435-790-2921
Well Name/Number NBU 1022-12J4CS
Qtr/Qtr SW/SE Section 12 Township 10S Range 22E
Lease Serial Number UT ST UO 01997-A ST
API Number 43047519560000

Casing – Time casing run starts, not cementing times.

- Production Casing
 Other

Date/Time 7/31/13 4 AM PM

BOPE

- Initial BOPE test at surface casing point
 Other

Date/Time _ _ AM PM

Rig Move

Location To: NBU 1022-12P O PAD

Date/Time _ _ AM PM

Remarks WELL 4 OF 6 ON THE NBU 1022-12 O PAD

RECEIVED

JUL 31 2013

DIV. OF OIL, GAS & MINING

State of Utah - Notification Form

Operator Anadarko Petroleum Rig Name/# PIONEER 54
Submitted By STUART NEILSON Phone Number 435-790-2921
Well Name/Number NBU 1022-12J4CS
Qtr/Qtr SW/SE Section 12 Township 10S Range 22E
Lease Serial Number UT ST UO 01997-A ST
API Number 43047519560000

Casing – Time casing run starts, not cementing times.

- Production Casing
- Other

Date/Time _ _ AM PM

BOPE

- Initial BOPE test at surface casing point
- Other

Date/Time 7/28/13 10:00 AM PM

Rig Move

Location To: NBU 1022-12P O PAD

Date/Time _ _ AM PM

RECEIVED
JUL 29 2013

DIV. OF OIL, GAS & MINING

Remarks WELL 4 OF 6 ON THE NBU 1022-12 O PAD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/4/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

No activity for the month of August 2013. Well TD at 8,480 ft.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 02, 2013

NAME (PLEASE PRINT) Matthew P Wold	PHONE NUMBER 720 929-6993	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 9/4/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/4/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Started completing the well. Well TD at 8,480 ft.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 08, 2013

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 10/4/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
COUNTY: UINTAH	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL Gas Well	3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 Township: 10.0S Range: 22.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/18/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 10/18/2013. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

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

FOR RECORD ONLY

October 28, 2013

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 10/22/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UT ST UO 01197-	
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	
8. WELL NAME and NUMBER: NBU 1022-12J4CS	
9. API NUMBER: 43047519560000	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1240 FSL 2341 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 12 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/26/2013	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

FINISHED DRILLING TO 8480 ON 7/30/2013. CEMENTED PRODUCTION CASING. RELEASED PIONEER 54 RIG ON 7/31/2013. DETAILS OF CASING AND CEMENT WAS INCLUDED WITH THE WELL COMPLETION REPORT.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 26, 2013

NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A	DATE 11/26/2013	

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:
UT ST UO 01197-A ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
UTU63047A

8. WELL NAME and NUMBER:
NBU 1022-12J4CS

9. API NUMBER:
43-047-51956

10. FIELD AND POOL, OR WILDCAT
Natural Buttes

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SWSE 12 10S 22E SLB

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPUDDED: **5/1/2012** 15. DATE T. D. REACHED: **7/30/2013** 16. DATE COMPLETED: **10/18/2013**
ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5250 RKB

18. TOTAL DEPTH: MD **8480** 19. PLUG BACK T.D.: MD **8420** 20. IF MULTIPLE COMPLETIONS, HOW MANY? *
TVD **8423** TVD **8363** 21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL/GR/CCL/TEMP

23. WAS WELL CORED? YES (Submit analysis)
WAS DST RUN? YES (Submit report)
DIRECTIONAL SURVEY? 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			
11	8.63 J-55	28	19	2326		575		0	
7.875	4.5 I-80	11.6	19	5028		1415		1300	
7.875	4.5 P 110	11.6	5028	8468					

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	7768							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	6855	8323			6,855 8,323	0.36	126	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6855-8323	PUMP 9,045 BBL SLICKWATER AND 188,977 LBS 30/50 MESH SAND
	6 STAGES

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGICAL REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER:

30. WELL STATUS:
PRODUCING

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 10/18/2013		TEST DATE: 10/23/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 8	GAS - MCF: 1952	WATER - BBL: 0	PROD. METHOD: Flowing
CHOKE SIZE: 20/64	TBG. PRESS. 1259	CSG. PRESS. 1636	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR RATES: →	OIL - BBL: 8	GAS - MCF: 1952	WATER - BBL: 0	INTERVAL STATUS Producing

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 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 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 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)
				GREEN RIVER	967
				BIRD'S NEST	1454
				MAHOGANY	1863
				WASATCH	4156
				MESAVERDE	6271

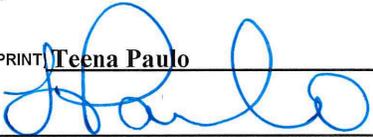
35. ADDITIONAL REMARKS (Include plugging procedures)

The first 210 ft. of the surface hole was drilled with a 12 1/4 in. bit. The remainder of surface hole was drilled with an 11 in. bit. DQX csg was run from surface to 5028 ft.; LTC csg was run from 5028 ft. to 8468 ft. Attached is the chronological well history, perforation report & final survey.

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

NAME (PLEASE PRINT) Teena Paulo

TITLE Staff Regulatory Specialist

SIGNATURE 

DATE 11-14-2013

This report must be submitted within 30 days of

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

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

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

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

Phone: 801-538-5340
Fax: 801-359-3940

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-12J4CS YELLOW		Spud Date: 5/13/2012	
Project: UTAH-UINTAH		Site: NBU 1022-12O PAD	Rig Name No: PROPETRO 12/12, PIONEER 54/54
Event: DRILLING		Start Date: 4/25/2012	End Date: 8/1/2013
Active Datum: RKB @5,250.00usft (above Mean Sea Level)		UWI: SW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/13/2012	20:00 - 21:30	1.50	PRPSPD	01	B	P		SKID RIG, SAFETY AND RIG INSPECTION, RIG UP, PREPARE TO SPUD
	21:30 - 22:30	1.00	PRPSPD	07	A	P		PRE SPUD JOB SAFETY MEETING / FINISH PICKING UP BHA. PICK UP NOV 1.83 DEGREE BENT MOTOR (RUN # 1)- .17 REV/GAL SN (775-77259). REINSTALL FLOWLINE AND CONTROL LINES TO FLOOR.
	23:00 - 0:00	1.00	DRLSUR	02	D	P		SPUD 05/13/2012 23:00 hrs. DRILL 12.25" HOLE 44 ft TO 100 ft (56 FT, 56 FPH). 12.25 in. BIT ON 47 th RUN. WOB 5-15 Kips. GPM 491. PSI ON/OFF 800/600. SURFACE RPM 55, MOTOR 83, TOTAL RPM 138. UP/DOWN/ ROT 20/20/20 K. DRAG 0 Kips . CIRCULATE CLOSED LOOP SYSTEM W/ 8.5 ppg WATER. DRILL DOWN TO 100 ft W/6 in COLLARS.
5/14/2012	0:00 - 0:30	0.50	DRLSUR	02	D	P		DRILL 12.25" HOLE 100'-210', (110', 200'/HOUR). 12.25". BIT ON 47 th RUN. WOB 15-25 K. STROKES PER MINUTE 120, GALLONS PER MINUTE 491. PRESSURE ON/OFF(BOTTOM) 810/600. ROTARY RPM 55, MOTOR RPM 83, TOTAL RPM 138. TORQUE ON/OFF (BOTTOM) UP/DOWN/ ROT 47/45/46 K. DRAG 1 K. CIRCULATE CLOSED LOOP SYSTEM WITH 8.6# WATER. RUNNING VOLUME OVER BOTH SHAKERS NO HOLE ISSUES.
	0:30 - 3:00	2.50	DRLSUR	06	A	P		DRILL DOWN TO 210' WITH 6" DRILL COLLARS. CIRC 15 MINUTES AND, TRIP OUT TO CHANGE ASSEMBLY. PRE JOB SAFETY MEETING, LAY DOWN 6" DRILL COLLARS, BREAK 12 1/4" BIT. MAKE UP Q506F 11in BIT (8 th RUN) (SN 7030058) PICK UP 8" DIRECTIONAL ASSEMBLY. INSTALL EM TOOL. TRIP IN HOLE.
	3:00 - 6:00	3.00	DRLSUR	02	D	P		DRILL 11". SURFACE HOLE 210'-770', (560', 140'/HOUR). WOB 15-25 K. STROKES PER MINUTE 120 GALLONS PER MINUTE 491. PRESSURE ON/OFF(BOTTOM) 810/600. ROTARY RPM 55, MOTOR RPM 83, TOTAL RPM 138. UP/DOWN/ ROT 47/45/46 K. DRAG 1 K. CIRCULATE CLOSED LOOP SYSTEM WITH 8.6# WATER. RUNNING VOLUME OVER BOTH SHAKERS NO HOLE ISSUES.

Operation Summary Report

Well: NBU 1022-12J4CS YELLOW		Spud Date: 5/13/2012	
Project: UTAH-UINTAH		Site: NBU 1022-12O PAD	Rig Name No: PROPETRO 12/12, PIONEER 54/54
Event: DRILLING		Start Date: 4/25/2012	End Date: 8/1/2013
Active Datum: RKB @5,250.00usft (above Mean Sea Level)		UWI: SW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:00 - 12:00	6.00	DRLSUR	02	D	P		DRILL 11". SURFACE HOLE 770'-1580', (810', 135'/HOUR). WOB 15-25 K. STROKES PER MINUTE 120 GALLONS PER MINUTE 491. PRESSURE ON/OFF(BOTTOM) 960/712. ROTARY RPM 55, MOTOR RPM 83, TOTAL RPM 138. UP/DOWN/ ROT 57/45/51 K. DRAG 6 K. CIRCULATE CLOSED LOOP SYSTEM WITH 8.6# WATER. RUNNING VOLUME OVER BOTH SHAKERS LOST RETURNS @ 1100' PUTAIR ON THE HOLE @ 1800 CFM
	12:00 - 23:00	11.00	DRLSUR	02	D	P		DRILL 11". SURFACE HOLE 1580'-2340', (760', 69'/HOUR). TD @ 05/14/2012 23:00 WOB 15-25 K. STROKES PER MINUTE 120 GALLONS PER MINUTE 491. PRESSURE ON/OFF(BOTTOM) 1270/970 DIFERENTIAL 300. ROTARY RPM 55, MOTOR RPM 83, TOTAL RPM 138. UP/DOWN/ ROT 85/61/71 K. DRAG 14 K. CIRCULATE CLOSED LOOP SYSTEM WITH 8.6# WATER. RUNNING VOLUME OVER BOTH SHAKERS LOST RETURNS @ 1100' PUTAIR ON THE HOLE @ 1800 CFM
	23:00 - 0:00	1.00	DRLSUR	05	A	P		CIRCULATE AND CONDITION HOLE, CLEAN HOLE
5/15/2012	0:00 - 1:00	1.00	CSGSUR	05	C	P		CIRCULATE AND, CONDITION WELLBORE FOR CASING RUN NO CUTTINGS COMMING OVER SHAKERS
	1:00 - 4:30	3.50	CSGSUR	06	D	P		TRIP OUT OF HOLE, LAY DOWN BOTTOM HOLE ASSEMBLY, DIRECTIONAL TOOLS, MOTOR AND, BIT. LAY DOWN DIRECTIONAL TOOLS. CLEAR TOOL AREA.
	4:30 - 6:00	1.50	CSGSUR	06	A	P		PRE JOB SAFETY MEETING, MOVE PIPE RACKS AND CATWALK. PULL DIVERTER HEAD. RIG UP TO RUN SURFACE CASING. CLEAR UNRELATED TOOLS.
	6:00 - 8:30	2.50	CSGSUR	12	C	P		RUN 52 JOINTS OF 8-5/8". 28# J-55 LTC CASING. RAN 1 CENTRALIZER ON FIRST THREE JOINTS, AND EVERY OTHER JOINT FOR 5 JOINTS FOR A TOTAL OF 8 CENTRALIZERS. RUN A TOTAL OF 52 JOINTS. SET FLOAT SHOE @ 2310.57' KB. SET TOP OF BAFFLE PLATE @ 2264.57' KB.

Operation Summary Report

Well: NBU 1022-12J4CS YELLOW

Spud Date: 5/13/2012

Project: UTAH-UINTAH

Site: NBU 1022-12O PAD

Rig Name No: PROPETRO 12/12, PIONEER 54/54

Event: DRILLING

Start Date: 4/25/2012

End Date: 8/1/2013

Active Datum: RKB @5,250.00usft (above Mean Sea Level)

UWI: SW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:30 - 10:30	2.00	CSGSUR	12	E	P		<p>RAN 200 ft OF 1 lin. PIPE DOWN BACK-SIDE OF CASING.</p> <p>PRE JOB SAFETY MEETING, PRESSURE TEST LINES TO 2000 PSI.</p> <p>PUMP 130 BBLS OF WATER AHEAD.</p> <p>MIX AND PUMP 20 BBLS OF 8.5# GEL WATER AHEAD.</p> <p>MIX AND PUMP (300 sx) 61.4 BBLS OF 15.8.8# 1.15 YIELD.</p> <p>DROP PLUG ON FLY.</p> <p>DISPLACE W/ 141 BBLS OF H2O.</p> <p>NO RETURNS THROUGH OUT JOB.</p> <p>FINAL LIFT OF 100 PSI AT 3 BBL/MIN.</p> <p>BUMP THE PLUGG WITH 450 PSI, HELD 450 PSI FOR 5 MINUTES,</p> <p>TESTED FLOAT AND FLOAT HELD. SHUT DOWN AND WASH UP.</p>
	10:30 - 11:30	1.00	CSGSUR	12	E	P		<p>PUMP CEMENT DOWN ONE INCH PIPE WITH 150 sx (30.7 bbls.)SAME CEMENT</p> <p>NO RETURNS TO SURFACE. SHUT DOWN AND WASH UP.</p>
	11:30 - 13:30	2.00	CSGSUR	12	E	P		<p>WAIT 1.5 HOURS ON CEMENT,</p> <p>CEMENT DOWN BACKSIDE W/ 125 sx (25.6 bbls.) SAME CEMENT</p> <p>NO RETURNS TO SURFACE.</p> <p>RIG DOWN CEMENTERS. (CEMENT JOB FINISHED AT 13:00 hrs. 05/15/2012)</p> <p>RELEASE RIG AT 13:30 hrs. 05/15/2012</p>
7/28/2013	18:00 - 18:30	0.50	MIRU3	01	C	P	2355	SKID 10' TO 12J4CS
	18:30 - 19:00	0.50	PRPSPD	14	A	P	2355	N/U BOPE
	19:00 - 22:30	3.50	PRPSPD	15	A	P	2355	<p>HELD SAFETY MEETING WITH RIG CREW & B & C TESTER, R/U & TEST BOPE, TEST PIPE RAMS, BLIND RAMS, INNER-OUTER BOP VALVES, CHOKE VALVES, FLOOR VALVES FOR 5 MIN 250 LOW,10 MIN 5000 HIGH, ANN 5 MIN 250- 10 MIN 2500, SURFACE CASING 1500 FOR 30 MIN'S, R/D</p>
	22:30 - 0:00	1.50	PRPSPD	06	A	P	2355	P/U DIRECTIONAL TOOLS, TIH
7/29/2013	0:00 - 1:00	1.00	PRPSPD	06	A	P	2355	<p>P/U DIR TOOLS & SCRIBE, TRIP IN HOLE TO 1026', INSTALL ROT RUBBER & CORR RING, TRIP IN TO TOP OF CEMENT @ 2208'</p>
	1:00 - 2:00	1.00	DRLPRC	02	C	P	2355	<p>INSTALL WEAR BUSHING,TIGHTEN TURN BUCKLES, PRE-SPUD INSPECTION, DRLG CMT , FLOAT @ 2268, SHOE @ 2310' & OPEN HOLE TO 2355'</p>

Operation Summary Report

Well: NBU 1022-12J4CS YELLOW		Spud Date: 5/13/2012	
Project: UTAH-UINTAH		Site: NBU 1022-12O PAD	Rig Name No: PROPETRO 12/12, PIONEER 54/54
Event: DRILLING		Start Date: 4/25/2012	End Date: 8/1/2013
Active Datum: RKB @5,250.00usft (above Mean Sea Level)		UWI: SW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	2:00 - 6:00	4.00	DRLPRC	02	C	P	2355	CLOSED LOOP SYSTEM DRILL F/ 2355 TO 3293', 938' @ 234.5' PH WOB / 20 RPM TOP DRIVE 55-60, MM 135 (2 PUMPS) - SPM 200 GPM 586 MW 8.5 PPG VIS 30 TRQ ON/OFF = 7/5 K PSI ON /OFF 2300/1800 , DIFF 300-500 PU/SO/RT = 100-80-90 K SLIDE = 58 ROTATE =879 NOV / -DEWATERING 33'N / 21' W OF CENTER DRILL FLARE, 0 CONN FLARE 0
	6:00 - 17:30	11.50	DRLPRV	02	B	P	3293	CLOSED LOOP SYSTEM DRILL F/3293' TO 5096', 1803' @ 156.7' PH WOB / 20 RPM TOP DRIVE 55-60, MM 135 (2 PUMPS) - SPM 200 GPM 586 MW 8.5 PPG VIS 30 TRQ ON/OFF = 9/8 K PSI ON /OFF 2300/1800 , DIFF 300-500 PU/SO/RT = 120-90-100 K SLIDE = 11 ROTATE = 1794 NOV / -DEWATERING 4'N / 16'W OF CENTER DRILL FLARE, 0 CONN FLARE 0
	17:30 - 18:00	0.50	DRLPRV	07	A	P	5096	SERVICE RIG
	18:00 - 0:00	6.00	DRLPRV	02	A	P	5096	CLOSED LOOP SYSTEM DRILL F/5096' TO 6136', 1040' @ 173.3' PH WOB / 20 RPM TOP DRIVE 55-60, MM 135 (2 PUMPS) - SPM 200 GPM 586 MW 8.5 PPG VIS 30 TRQ ON/OFF = 11/9 K PSI ON /OFF 2300/1800 , DIFF 300-500 PU/SO/RT = 160-100-128 K SLIDE = 151 ROTATE = 889 NOV / -DEWATERING 14' S / 8' W OF CENTER DRILL FLARE, 0 CONN FLARE 0

Operation Summary Report

Well: NBU 1022-12J4CS YELLOW		Spud Date: 5/13/2012	
Project: UTAH-UINTAH		Site: NBU 1022-12O PAD	Rig Name No: PROPETRO 12/12, PIONEER 54/54
Event: DRILLING		Start Date: 4/25/2012	End Date: 8/1/2013
Active Datum: RKB @5,250.00usft (above Mean Sea Level)		UWI: SW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
7/30/2013	0:00 - 8:00	8.00	DRLPRV	02	A	P	6136	CLOSED LOOP SYSTEM DRILL F/6136' TO 7207, 1071' @ 133.8' PH WOB / 20 RPM TOP DRIVE 55-60, MM 135 (2 PUMPS) - SPM 200 GPM 586 MW 8.5 PPG VIS 30 TRQ ON/OFF = 11/9 K PSI ON /OFF 2300/1800 , DIFF 300-500 PU/SO/RT = 172-115-151 K SLIDE = 90 ROTATE = 981 NOV / -DEWATERING 14'S / 8'E CENTER OF WELL DRILL FLARE, 0 CONN FLARE 0
	8:00 - 17:30	9.50	DRLPRV	02	A	P	7207	CLOSED LOOP SYSTEM DRILL F/ 7207' T/ 8295', 1071' @ 133.8' PH WOB / 20 RPM TOP DRIVE 55-60, MM 135 (2 PUMPS) - SPM 200 GPM 586 MW 8.5 PPG VIS 30 TRQ ON/OFF = 11/9 K PSI ON /OFF 2700/2200 , DIFF 300-500 PU/SO/RT = 208-120-151 K SLIDE = 0 ROTATE = 1088 NOV / -DEWATERING 15'S / 7'E CENTER OF WELL DRILL FLARE, 0 CONN FLARE 0
	17:30 - 18:00	0.50	DRLPRV	07	A	P	8295	SERVICE RIG
	18:00 - 18:30	0.50	DRLPRV	05	A	P	8295	DISPLACE WELL W/ 11.8 MUD WT
	18:30 - 20:00	1.50	DRLPRV	02	A	P	8295	CLOSED LOOP SYSTEM DRILL F/ 8295 T/ 8480, 185' @ 123.3' PH WOB / 20 RPM TOP DRIVE 55-60, MM 135 (2 PUMPS) - SPM 200 GPM 586 MW 8.5 PPG VIS 30 TRQ ON/OFF = 11/9 K PSI ON /OFF 2900/2600 , DIFF 300-500 PU/SO/RT = 210-120-155 K SLIDE = 0 ROTATE = 185 NOV / -DEWATERING 15'S / 7'E CENTER OF WELL DRILL FLARE, 0 CONN FLARE 0
	20:00 - 21:00	1.00	DRLPRV	05	A	P	8480	CIRC AND CONDITION
	21:00 - 22:00	1.00	DRLPRV	06	A	P	8480	SHORT TRIPS 10 STANDS , TIGHT FIRST STAND
	22:00 - 23:00	1.00	DRLPRV	05	A	P	8480	CIRC AND CONDITION
	23:00 - 0:00	1.00	DRLPRV	06	A	P	8480	TRIP OUT OF HOLE FOR CASING
7/31/2013	0:00 - 3:30	3.50	DRLPRV	06	A	P	8480	TRIP OUT OF HOLE F/ CASING RUN
	3:30 - 4:00	0.50	DRLPRV	06	A	P	8480	PULL WEAR BUSHING
	4:00 - 10:30	6.50	CSGPRO	12	A	P	8480	R/U & RUN 4.5 11.6# CASING , 77 JTS LTC 3,436' ,15 CENTRALIZER, 113 JTS DQX 4,987', SET @ 8,448', FC @ 8,420', WASH 10' TO LAND OUT

Operation Summary Report

Well: NBU 1022-12J4CS YELLOW		Spud Date: 5/13/2012	
Project: UTAH-UINTAH		Site: NBU 1022-12O PAD	Rig Name No: PROPETRO 12/12, PIONEER 54/54
Event: DRILLING		Start Date: 4/25/2012	End Date: 8/1/2013
Active Datum: RKB @5,250.00usft (above Mean Sea Level)		UWI: SW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	10:30 - 13:30	3.00	CSGPRO	05	A	P	8480	CIRC, R/U BJ CEMENTING CREW , WHILE UNLOAD LEAD CEMENT
	13:30 - 17:00	3.50	CSGPRO	12	E	P	8480	INSTALL BJ CMT HEAD , TEST PUMP & LINES TO 4,650 PSI, DROP BOTTOM PLUG PUMP 25 BBLS FW, PUMP 455 SKS LEAD CEMENT @ 12.5 PPG, 160 BBL SLURRY (PREM LITE II + .025 pps CELLO FLAKE + 5 pps KOL SEAL +0.4 bwocFL52+ .05 lb/sx STATIC FREE + 8% bwoc BENTONITE + .2% bwoc SODIUM META SILICATE + 0.35 % R-3 + 101.8% FRESH WATER / (10.44 gal/sx, 1.98 yield) + 960 SX TAIL @ 14.3 ppg 226 BBL SLURRY (CLS G 50/50 POZ + 10% SALT + .005llbs/sx STATIC FREE + .2% R3 +0.5%bwocEC-1+ .002 GPS FP-6L + 2% BENTONITE + 58.9% FW / (5.94 gal/sx, 1.32 yield) / DROP TOP PLUG & DISPLACE W/ 130.9 BBLS H2O + ADDITIVES / PLUG DOWN @ 15:37 HOURS / FLOATS HELD W/ 1.50 BBLS H2O RETURNED TO INVENTORY/ AFTER 70BBLS PARTIAL RETURNS , REDUCED RATE TO 3 BBLS A MINUTE , LIFT PRESSURE @ 1900 PSI / BUMP PRESSURE TO 2500 PSI / NO SPACER OR CEMENT TO SURFACE, TOP OF TAIL CEMENT CALCULATED @ 3,400' / RIG DOWN CMT EQUIPMENT
	17:00 - 17:30	0.50	CSGPRO	12	E	P	8480	SET PACK OFF
	17:30 - 18:00	0.50	RDMO	14	A	P	8480	NIPPLE DOWN , RELEASE RIG @ 18:00 7/31/2013

US ROCKIES REGION

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 1022-12J4CS YELLOW	Wellbore No.	OH
Well Name	NBU 1022-12J4CS	Wellbore Name	NBU 1022-12J4CS
Report No.	1	Report Date	10/7/2013
Project	UTAH-JUNTAH	Site	NBU 1022-120 PAD
Rig Name/No.		Event	COMPLETION
Start Date	9/14/2013	End Date	10/18/2013
Spud Date	5/13/2012	Active Datum	RKB @5,250.00usft (above Mean Sea Level)
UWI	SW/SE/010/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0		

1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

1.4 Initial Conditions

Fluid Type	Fluid Density	Gross Interval	6,855.0 (usft)	-8,323.0 (usft)	Start Date/Time	10/7/2013 12:00AM
Surface Press	Estimate Res Press	No. of Intervals	42	End Date/Time	10/7/2013 12:00AM	
TVD Fluid Top	Fluid Head	Total Shots	126	Net Perforation Interval	42.00 (usft)	
Hydrostatic Press	Press Difference	Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure		
Balance Cond	NEUTRAL			Final Press Date		

1.5 Summary

Date	10/7/2013 12:00AM	Formation/Reservoir	MESAVERDE/	CCL@ (usft)		CCL-T S (usft)		MD Top (usft)	6,855.0	MD Base (usft)	6,856.0	Shot Density (shot/ft)	3.00	Misfires/Add. Shot		Diameter (in)	0.360	EXP/		Carr Type /Stage No		Carr Size (in)	3.375	Phasing (°)	120.00	Charge Desc /Charge Manufacturer		Charge Weight (gram)	23.00	Reason	PRODUCTIO N	Misrun
------	-------------------	---------------------	------------	-------------	--	----------------	--	---------------	---------	----------------	---------	------------------------	------	--------------------	--	---------------	-------	------	--	---------------------	--	----------------	-------	-------------	--------	----------------------------------	--	----------------------	-------	--------	-------------	--------

2 Intervals

2.1 Perforated Interval

Date	10/7/2013 12:00AM	Formation/Reservoir	MESAVERDE/	CCL@ (usft)		CCL-T S (usft)		MD Top (usft)	6,855.0	MD Base (usft)	6,856.0	Shot Density (shot/ft)	3.00	Misfires/Add. Shot		Diameter (in)	0.360	EXP/		Carr Type /Stage No		Carr Size (in)	3.375	Phasing (°)	120.00	Charge Desc /Charge Manufacturer		Charge Weight (gram)	23.00	Reason	PRODUCTIO N	Misrun
------	-------------------	---------------------	------------	-------------	--	----------------	--	---------------	---------	----------------	---------	------------------------	------	--------------------	--	---------------	-------	------	--	---------------------	--	----------------	-------	-------------	--------	----------------------------------	--	----------------------	-------	--------	-------------	--------

US ROCKIES REGION

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	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
10/7/2013 12:00AM	MESAVERDE/			6,935.0	6,936.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			6,960.0	6,961.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,000.0	7,001.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,057.0	7,058.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,085.0	7,086.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,109.0	7,110.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,208.0	7,209.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,250.0	7,251.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,293.0	7,294.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,321.0	7,322.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,363.0	7,364.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,388.0	7,389.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,398.0	7,399.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,417.0	7,418.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,468.0	7,469.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,484.0	7,485.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,493.0	7,494.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,514.0	7,515.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,538.0	7,539.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,545.0	7,546.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
10/7/2013 12:00AM	MESAVERDE/			7,574.0	7,575.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N

RECEIVED: Nov. 14, 2013

US ROCKIES REGION

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
10/7/2013 12:00AM	MESAVERDE/			7,604.0	7,605.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,629.0	7,630.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,654.0	7,655.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,668.0	7,669.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,682.0	7,683.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,699.0	7,700.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,722.0	7,723.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,793.0	7,794.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,811.0	7,812.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,882.0	7,883.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,912.0	7,913.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,956.0	7,957.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			7,982.0	7,983.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			8,005.0	8,006.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			8,098.0	8,099.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			8,136.0	8,137.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			8,219.0	8,220.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			8,261.0	8,262.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			8,303.0	8,304.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/7/2013 12:00AM	MESAVERDE/			8,322.0	8,323.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-12J4CS YELLOW				Spud Date: 5/13/2012			
Project: UTAH-UINTAH			Site: NBU 1022-12O PAD			Rig Name No: MILES 3/3	
Event: COMPLETION			Start Date: 9/14/2013		End Date: 10/18/2013		
Active Datum: RKB @5,250.00usft (above Mean Sea Level)				UWI: SWW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
9/14/2013	-							
10/2/2013	8:00 - 9:00	1.00	SUBSPR	52	B	P		FILL SURFACE CSG. MIRU CAMERON QUICK TEST. PRESSURE TEST CSG & FRAC VALVES 1ST PSI TEST T/ 7000 PSI. HELD FOR 15 MIN LOST 80 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. PRESSURE TEST 8 5/8 X 4 1/2 TO 551 PSI HELD FOR 5 MIN LOST -20 PSI,BLED PSI OFF, REINSTALLED POP OFF SWIFN NO PRESSURE ON SURFACE CASING FILLED SURFACE WITH 3 BBL H2O
10/4/2013	9:00 - 10:00	1.00	SUBSPR	37		P		PERF STG 1)PU 3 1/8 EXP GUN, 19 GM, .40 HOLE SIZE. RIH PERFWELL, AS PER PERF DESIGN. POOH. SWIFW
10/7/2013	7:00 - 7:15	0.25	FRAC	48		P		HSM-JSA
	7:15 - 17:30	10.25	FRAC	36	H	P		NO STAGES FRACED, LEAVE WELL SI, SDFN.
10/8/2013	7:00 - 7:15	0.25	FRAC	48		P		HSM-JSA
	7:15 - 17:30	10.25	FRAC	36	H	P		FRAC STG #1)WHP 1506 PSI, BRK 3970 PSI @ 4 BPM. ISIP 2368 PSI, FG. 0.73 ISIP 2467 PSI, FG. 0.74, NPI 99 PSI, X/O TO WL. SET CBP & PERF STG #2 AS DESIGNED, X/O TO FRAC. FRAC STG #2)WHP 1930 PSI, BRK 4434 PSI @ 4 BPM. ISIP 2754 PSI, FG. 0.79 ISIP 2797 PSI, FG. 0.79, NPI 43 PSI, SWI, SDFN.
10/9/2013	7:00 - 7:15	0.25	FRAC	48		P		HSM-JSA
	7:15 - 17:30	10.25	FRAC	36	H	P		SET CBP & PERF STG #3 AS DESIGNED, X/O TO FRAC. FRAC STG #3)WHP 1585 PSI, BRK 3873 PSI @ 4 BPM. ISIP 2223 PSI, FG. 0.73 ISIP 2181 PSI, FG. 0.72, NPI -42 PSI, X/O TO WL. SET CBP & PERF STG #4 AS DESIGNED, XO TO FRAC. FRAC STG #4)WHP 1570 PSI, BRK 4635 PSI @ 3.9 BPM. ISIP 1776 PSI, FG. 0.68 ISIP 2156 PSI, FG. 0.73, NPI 380 PSI, SWI, SDFN.
10/10/2013	7:00 - 7:15	0.25	FRAC	48		P		HSM-JSA

Operation Summary Report

Well: NBU 1022-12J4CS YELLOW		Spud Date: 5/13/2012	
Project: UTAH-UINTAH		Site: NBU 1022-12O PAD	Rig Name No: MILES 3/3
Event: COMPLETION		Start Date: 9/14/2013	End Date: 10/18/2013
Active Datum: RKB @5,250.00usft (above Mean Sea Level)		UWI: SW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 18:30	11.25	FRAC	36	H	P		<p>SET CBP & PERF STG #5 AS DESIGNED, X/O TO FRAC.</p> <p>FRAC STG #5)WHP 373 PSI, BRK 3488 PSI @ 3.7 BPM. ISIP 1914 PSI, FG. 0.7 ISIP 2141 PSI, FG. 0.73, NPI 227 PSI, X/O TO WL.</p> <p>SET CBP & PERF STG #6 AS DESIGNED, X/O TO FRAC.</p> <p>FRAC STG #6)WHP 1432 PSI, BRK 3500 PSI @ 3.8 BPM. ISIP 1756 PSI, FG. 0.69 ISIP 2333 PSI, FG. 0.77, NPI 577 PSI, X/O TO WL.</p> <p>SET KILL PLUG @ 6805', SWI, RDMO WL & FRAC EQUIP.</p> <p>TOTAL CLN FLUID=9045 BBLS TOTAL SAND= 188977 LBS</p>
10/17/2013	13:00 - 14:30	1.50	DRLOUT	30	A	P		SWITCHED OUT CMT BLOCKS, MOVED OVER & RIGGED UP.ND WH NU BOPS.
	14:30 - 17:00	2.50	DRLOUT	31	I	P		RU FLOOR & TBG EQUIP, TALLY & PU 37/8 BIT, POBS, 1.875 X/N 114 JTS 23/8 J-55, EOT @ 3604' SWI DRAIN EQUIP SDFN.
10/18/2013	7:00 - 7:30	0.50	DRLOUT	48		P		HSM, PICKING UP TBG OFF FLOAT.
	7:30 - 10:30	3.00	DRLOUT	31	I	P		PU REM 36 JTS 23/8 J-55, 6' L-80 PUP JT, 65 JTS 23/8 L-80. TAG UP @ 6790' RU DRLG EQUIP.

Operation Summary Report

Well: NBU 1022-12J4CS YELLOW		Spud Date: 5/13/2012	
Project: UTAH-UINTAH		Site: NBU 1022-12O PAD	Rig Name No: MILES 3/3
Event: COMPLETION		Start Date: 9/14/2013	End Date: 10/18/2013
Active Datum: RKB @5,250.00usft (above Mean Sea Level)		UWI: SW/SE/0/10/S/22/E/12/0/0/26/PM/S/1240/E/0/2341/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	10:30 - 17:30	7.00	DRLOUT	44	C	P		<p>BROKE CIRC CONV, TEST BOPS TO 3,000 PSI, RIH.</p> <p>C/O 10' SAND TAG 1ST PLUG @ 6805' DRL PLG IN 4 MIN, 400 PSI INCREASE RIH.</p> <p>C/O 25' SAND TAG 2ND PLUG @ 7140' DRL PLG IN 4 MIN, 300 PSI INCREASE RIH.</p> <p>C/O 35' SAND TAG 3RD PLUG @ 7451' DRL PLG IN 5 MIN, 200 PSI INCREASE RIH.</p> <p>C/O 15' SAND TAG 4TH PLUG @ 7564' DRL PLG IN 4 MIN, 0 PSI INCREASE RIH.</p> <p>C/O 25' SAND TAG 5TH PLUG @ 7743' DRL PLG IN 5 MIN, 300 PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 6TH PLUG @ 8036' DRL PLG IN 4 MIN, 600 PSI INCREASE RIH.</p> <p>C/O TO 8394', CIRC CLN, RD SWIVEL, L/D 20 JTS, LAND TBG, ND BOPS NU WH, TEST FLOW LINE, TO 3,000 PSI, PUMPED OFF BIT, TURN WELL TO FB CREW. RIGGED DOWN. PULL TO SIDE OF LOCATION WELD ON SNUB LINE BRACHETS ON DERICK, SDFWE.</p> <p>KB = 19'</p> <p>41/16 HANGER = .83' (SURFACE VALVE OPEN & LOCKED) 95JTS 23/8 L-80 = 3016.76' 1600 SICP FTP 100</p> <p>6' L-80 PUP JT = 6.13'</p> <p>150 JTS 23/8 J-55 = 4723.56'</p> <p>POBS W/ 1.875 X/N = 2.20'</p> <p>EOT @ 7768.48'</p> <p>TWTR 9250 BBLs TWR 1000 BBLs TWLTR 8250 BBLs</p> <p>315 JTS HAULED OUT, 150 J-55, 166 L-80. 245 LANDED 70 TO RETURN, L-80</p>
	17:30 - 17:30	0.00	DRLOUT	50				<p>WELL TURNED TO SALES @ 1500 HR ON 10/18/2013. 3200 MCFD, 1560 BWP, FCP 2003#, FTP 1950#, 20/64" CK.</p>



US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

NBU 1022-12O PAD

NBU 1022-12J4CS

OH

Design: OH

Standard Survey Report

08 November, 2013





Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NBU 1022-12J4CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	TVD Reference:	GL 5231 & KB 19 @ 5250.00ft (PIONEER 54)
Site:	NBU 1022-12O PAD	MD Reference:	GL 5231 & KB 19 @ 5250.00ft (PIONEER 54)
Well:	NBU 1022-12J4CS	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM5000-RobertS-Local

Project	UTAH - UTM (feet), NAD27, Zone 12N		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 1022-12O PAD, SECTION 12 T10S R22E				
Site Position:		Northing:	14,515,442.24 usft	Latitude:	39.9596540
From:	Lat/Long	Easting:	2,092,551.18 usft	Longitude:	-109.3865570
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	1.04 °

Well	NBU 1022-12J4CS, 1240 FSL 2341 FEL					
Well Position	+N/-S	0.00 ft	Northing:	14,515,433.97 usft	Latitude:	39.9596310
	+E/-W	0.00 ft	Easting:	2,092,556.94 usft	Longitude:	-109.3865370
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,231.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/26/11	11.00	65.85	52,301

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	45.24	

Survey Program	Date	11/07/13			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
15.00	2,290.00	Survey #1 SDI MWD SURFACE (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	
2,390.00	8,480.00	Survey #2 SDI MWD PRODUCTION (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
193.00	0.62	110.84	193.00	-0.34	0.90	0.40	0.35	0.35	0.00	
FIRST SDI MWD SURFACE SURVEY										
281.00	1.85	70.85	280.98	-0.05	2.69	1.88	1.63	1.40	-45.44	
364.00	3.63	70.37	363.88	1.28	6.43	5.46	2.14	2.14	-0.58	
454.00	5.32	69.35	453.60	3.70	13.02	11.85	1.88	1.88	-1.13	
544.00	6.77	63.91	543.10	7.51	21.68	20.69	1.73	1.61	-6.04	
634.00	7.74	69.45	632.38	11.97	32.12	31.24	1.33	1.08	6.16	
724.00	9.15	68.48	721.40	16.72	44.46	43.34	1.57	1.57	-1.08	



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NBU 1022-12J4CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	TVD Reference:	GL 5231 & KB 19 @ 5250.00ft (PIONEER 54)
Site:	NBU 1022-12O PAD	MD Reference:	GL 5231 & KB 19 @ 5250.00ft (PIONEER 54)
Well:	NBU 1022-12J4CS	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM5000-RobertS-Local

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
814.00	10.20	72.08	810.12	21.80	58.70	57.03	1.35	1.17	4.00	
904.00	11.34	71.38	898.53	27.08	74.66	72.08	1.27	1.27	-0.78	
994.00	11.78	71.99	986.71	32.74	91.79	88.23	0.51	0.49	0.68	
1,084.00	12.84	71.03	1,074.64	38.83	109.98	105.44	1.20	1.18	-1.07	
1,174.00	13.47	70.31	1,162.27	45.62	129.31	123.94	0.72	0.70	-0.80	
1,264.00	13.89	69.27	1,249.72	52.97	149.28	143.30	0.54	0.47	-1.16	
1,354.00	13.63	65.67	1,337.14	61.17	169.05	163.10	0.99	-0.29	-4.00	
1,444.00	13.89	59.60	1,424.56	71.00	188.03	183.51	1.63	0.29	-6.74	
1,534.00	14.77	64.44	1,511.76	81.42	207.70	204.81	1.65	0.98	5.38	
1,624.00	14.60	62.33	1,598.82	91.64	228.09	226.48	0.62	-0.19	-2.34	
1,714.00	13.54	69.27	1,686.13	100.63	247.99	246.95	2.21	-1.18	7.71	
1,804.00	13.10	71.03	1,773.71	107.68	267.49	265.76	0.66	-0.49	1.96	
1,894.00	13.28	68.04	1,861.33	114.86	286.72	284.47	0.78	0.20	-3.32	
1,984.00	13.28	73.93	1,948.93	121.59	306.25	303.07	1.50	0.00	6.54	
2,074.00	12.75	72.26	2,036.62	127.47	325.64	320.98	0.72	-0.59	-1.86	
2,164.00	13.01	73.93	2,124.36	133.30	344.83	338.72	0.50	0.29	1.86	
2,254.00	13.72	73.58	2,211.92	139.13	364.80	357.00	0.79	0.79	-0.39	
2,290.00	13.63	70.59	2,246.90	141.74	372.90	364.59	1.98	-0.25	-8.31	
LAST SDI MWD SURFACE SURVEY										
2,390.00	13.45	67.70	2,344.12	150.07	394.77	385.99	0.70	-0.18	-2.89	
FISRT SDI MWD PRODUCTION SURVEY										
2,484.00	12.84	62.43	2,435.66	159.05	414.15	406.07	1.43	-0.65	-5.61	
2,579.00	12.13	60.58	2,528.41	168.84	432.20	425.78	0.86	-0.75	-1.95	
2,674.00	11.26	61.29	2,621.44	178.20	449.03	444.32	0.93	-0.92	0.75	
2,769.00	9.50	64.80	2,714.88	185.99	464.26	460.62	1.97	-1.85	3.69	
2,864.00	6.88	72.58	2,808.91	191.04	476.78	473.06	2.99	-2.76	8.19	
2,959.00	5.80	70.43	2,903.33	194.35	486.73	482.46	1.16	-1.14	-2.26	
3,053.00	4.04	66.47	2,996.98	197.26	494.25	489.85	1.91	-1.87	-4.21	
3,149.00	2.73	69.55	3,092.81	199.41	499.49	495.08	1.38	-1.36	3.21	
3,244.00	0.97	103.39	3,187.75	200.02	502.39	497.57	2.10	-1.85	35.62	
3,339.00	0.26	92.14	3,282.75	199.82	503.39	498.14	0.75	-0.75	-11.84	
3,434.00	0.62	153.84	3,377.75	199.35	503.83	498.12	0.58	0.38	64.95	
3,529.00	0.88	157.00	3,472.74	198.22	504.34	497.69	0.28	0.27	3.33	
3,624.00	1.32	169.48	3,567.72	196.47	504.83	496.80	0.52	0.46	13.14	
3,716.00	1.14	141.71	3,659.70	194.71	505.59	496.10	0.67	-0.20	-30.18	
3,811.00	0.88	202.79	3,754.69	193.30	505.89	495.32	1.11	-0.27	64.29	
3,906.00	0.62	243.66	3,849.68	192.40	505.15	494.16	0.61	-0.27	43.02	
4,000.00	0.70	210.88	3,943.67	191.68	504.40	493.12	0.40	0.09	-34.87	
4,095.00	0.62	180.64	4,038.67	190.67	504.09	492.20	0.37	-0.08	-31.83	
4,190.00	0.79	192.07	4,133.66	189.51	503.95	491.28	0.23	0.18	12.03	
4,285.00	1.23	165.61	4,228.65	187.88	504.07	490.22	0.66	0.46	-27.85	
4,379.00	1.23	168.25	4,322.62	185.92	504.52	489.16	0.06	0.00	2.81	
4,473.00	1.23	174.75	4,416.60	183.93	504.82	487.97	0.15	0.00	6.91	



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NBU 1022-12J4CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	TVD Reference:	GL 5231 & KB 19 @ 5250.00ft (PIONEER 54)
Site:	NBU 1022-12O PAD	MD Reference:	GL 5231 & KB 19 @ 5250.00ft (PIONEER 54)
Well:	NBU 1022-12J4CS	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM5000-RobertS-Local

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,567.00	1.23	168.34	4,510.58	181.93	505.12	486.77	0.15	0.00	-6.82	
4,662.00	1.06	159.20	4,605.56	180.11	505.64	485.86	0.26	-0.18	-9.62	
4,756.00	1.32	164.03	4,699.54	178.26	506.24	484.98	0.30	0.28	5.14	
4,850.00	1.23	171.77	4,793.52	176.22	506.69	483.86	0.21	-0.10	8.23	
4,945.00	1.85	165.00	4,888.48	173.73	507.23	482.49	0.68	0.65	-7.13	
5,041.00	1.67	169.22	4,984.44	170.86	507.89	480.94	0.23	-0.19	4.40	
5,136.00	0.97	141.97	5,079.41	168.87	508.65	480.08	0.97	-0.74	-28.68	
5,230.00	1.41	154.36	5,173.39	167.20	509.64	479.60	0.54	0.47	13.18	
5,325.00	1.49	163.59	5,268.36	164.96	510.49	478.63	0.26	0.08	9.72	
5,419.00	0.00	270.55	5,362.35	163.78	510.84	478.05	1.59	-1.59	0.00	
5,513.00	0.35	135.20	5,456.35	163.58	511.04	478.05	0.37	0.37	0.00	
5,607.00	0.70	162.01	5,550.35	162.83	511.42	477.80	0.45	0.37	28.52	
5,701.00	0.79	169.66	5,644.34	161.65	511.71	477.17	0.14	0.10	8.14	
5,796.00	0.70	168.78	5,739.33	160.43	511.94	476.48	0.10	-0.09	-0.93	
5,890.00	1.06	164.47	5,833.32	159.03	512.29	475.74	0.39	0.38	-4.59	
5,985.00	1.06	144.43	5,928.31	157.47	513.03	475.17	0.39	0.00	-21.09	
6,080.00	1.49	143.55	6,023.28	155.76	514.28	474.85	0.45	0.45	-0.93	
6,175.00	1.67	148.56	6,118.25	153.59	515.73	474.35	0.24	0.19	5.27	
6,269.00	1.93	153.84	6,212.20	151.00	517.15	473.53	0.33	0.28	5.62	
6,364.00	0.35	172.82	6,307.18	149.28	517.89	472.85	1.69	-1.66	19.98	
6,458.00	0.88	344.29	6,401.17	149.69	517.73	473.02	1.31	0.56	182.41	
6,553.00	1.49	341.31	6,496.15	151.56	517.13	473.92	0.65	0.64	-3.14	
6,648.00	2.55	357.83	6,591.09	154.84	516.66	475.89	1.26	1.12	17.39	
6,742.00	1.93	356.69	6,685.02	158.51	516.49	478.35	0.66	-0.66	-1.21	
6,836.00	0.97	12.68	6,778.99	160.87	516.57	480.07	1.10	-1.02	17.01	
6,930.00	1.41	358.01	6,872.97	162.80	516.71	481.53	0.57	0.47	-15.61	
7,025.00	1.06	5.74	6,967.95	164.84	516.75	483.00	0.41	-0.37	8.14	
7,121.00	1.67	10.84	7,063.92	167.10	517.11	484.84	0.65	0.64	5.31	
7,216.00	1.14	16.02	7,158.89	169.37	517.63	486.81	0.57	-0.56	5.45	
7,309.00	0.88	31.58	7,251.88	170.86	518.26	488.31	0.40	-0.28	16.73	
7,404.00	0.79	45.20	7,346.87	171.95	519.10	489.67	0.23	-0.09	14.34	
7,499.00	0.70	50.74	7,441.86	172.78	520.02	490.90	0.12	-0.09	5.83	
7,594.00	0.79	51.71	7,536.85	173.55	520.98	492.13	0.10	0.09	1.02	
7,689.00	0.70	98.38	7,631.84	173.87	522.07	493.13	0.63	-0.09	49.13	
7,783.00	0.88	117.80	7,725.84	173.45	523.27	493.69	0.34	0.19	20.66	
7,878.00	1.49	142.23	7,820.82	172.13	524.68	493.76	0.82	0.64	25.72	
7,973.00	1.85	151.46	7,915.78	169.81	526.17	493.18	0.47	0.38	9.72	
8,068.00	1.74	155.41	8,010.73	167.15	527.50	492.26	0.17	-0.12	4.16	
8,163.00	2.11	159.81	8,105.67	164.20	528.70	491.03	0.42	0.39	4.63	
8,258.00	2.05	159.03	8,200.61	160.97	529.91	489.62	0.07	-0.06	-0.82	
8,351.00	2.46	160.96	8,293.54	157.53	531.16	488.08	0.45	0.44	2.08	
8,414.00	2.29	172.21	8,356.49	155.00	531.77	486.74	0.79	-0.27	17.86	
LAST SDI MWD PRODUCTION SURVEY SURVEY										
8,480.00	2.29	172.21	8,422.43	152.39	532.13	485.15	0.00	0.00	0.00	



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NBU 1022-12J4CS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	TVD Reference:	GL 5231 & KB 19 @ 5250.00ft (PIONEER 54)
Site:	NBU 1022-12O PAD	MD Reference:	GL 5231 & KB 19 @ 5250.00ft (PIONEER 54)
Well:	NBU 1022-12J4CS	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM5000-RobertS-Local

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
SDI MWD PRODUCTION SURVEY									

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
DTGT_NBU 1022-12J4C - hit/miss target - Shape	0.00	0.00	3,236.30	192.18	508.86	14,515,635.32	2,093,062.24	39.9601587	-109.3847215
- actual wellpath misses target center by 9.64ft at 3292.63ft MD (3236.38 TVD, 199.87 N, 503.04 E)									
- Circle (radius 15.00)									
TOC @ 4680.00 (NBU 1	0.00	0.00	4,680.00	185.41	512.92	14,515,628.62	2,093,066.42	39.9601401	-109.3847070
- actual wellpath misses target center by 9.57ft at 4736.36ft MD (4679.91 TVD, 178.68 N, 506.12 E)									
- Point									
TOC @ 4689.00 NBU 1(0.00	0.00	4,704.00	185.24	513.02	14,515,628.46	2,093,066.52	39.9601396	-109.3847067
- actual wellpath misses target center by 9.78ft at 4760.34ft MD (4703.88 TVD, 178.16 N, 506.27 E)									
- Point									
PBHL_NBU 1022-12J4C	0.00	0.00	8,418.00	167.18	523.86	14,515,610.60	2,093,077.68	39.9600900	-109.3846680
- actual wellpath misses target center by 16.77ft at 8474.94ft MD (8417.38 TVD, 152.59 N, 532.10 E)									
- Circle (radius 25.00)									

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,290.00	2,246.90	141.74	372.90	LAST SDI MWD SURFACE SURVEY
2,390.00	2,344.12	150.07	394.77	FISRT SDI MWD PRODUCTION SURVEY
8,414.00	8,356.49	155.00	531.77	LAST SDI MWD PRODUCTION SURVEY SURVEY
8,480.00	8,422.43	152.39	532.13	SDI MWD PRODUCTION SURVEY

Checked By: _____ Approved By: _____ Date: _____