

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 920-12G		
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 <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>				5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES		
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.				7. OPERATOR PHONE 720 929-6587		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				9. OPERATOR E-MAIL mary.mondragon@anadarko.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0144868-B		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input 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') Ute Indian Tribe		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2151 FNL 2191 FEL	SWNE	12	9.0 S	20.0 E	S
Top of Uppermost Producing Zone	2151 FNL 2191 FEL	SWNE	12	9.0 S	20.0 E	S
At Total Depth	2151 FNL 2191 FEL	SWNE	12	9.0 S	20.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 2151		23. NUMBER OF ACRES IN DRILLING UNIT 600		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1500		26. PROPOSED DEPTH MD: 10800 TVD: 0		
27. ELEVATION - GROUND LEVEL 4699		28. BOND NUMBER WYB-000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496		

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE 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 type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Raleen White	TITLE Sr. Regulatory Analyst	PHONE 720 929-6666
SIGNATURE	DATE 12/22/2008	EMAIL raleen.white@anadarko.com
API NUMBER ASSIGNED 43047501800000	APPROVAL  Permit Manager	

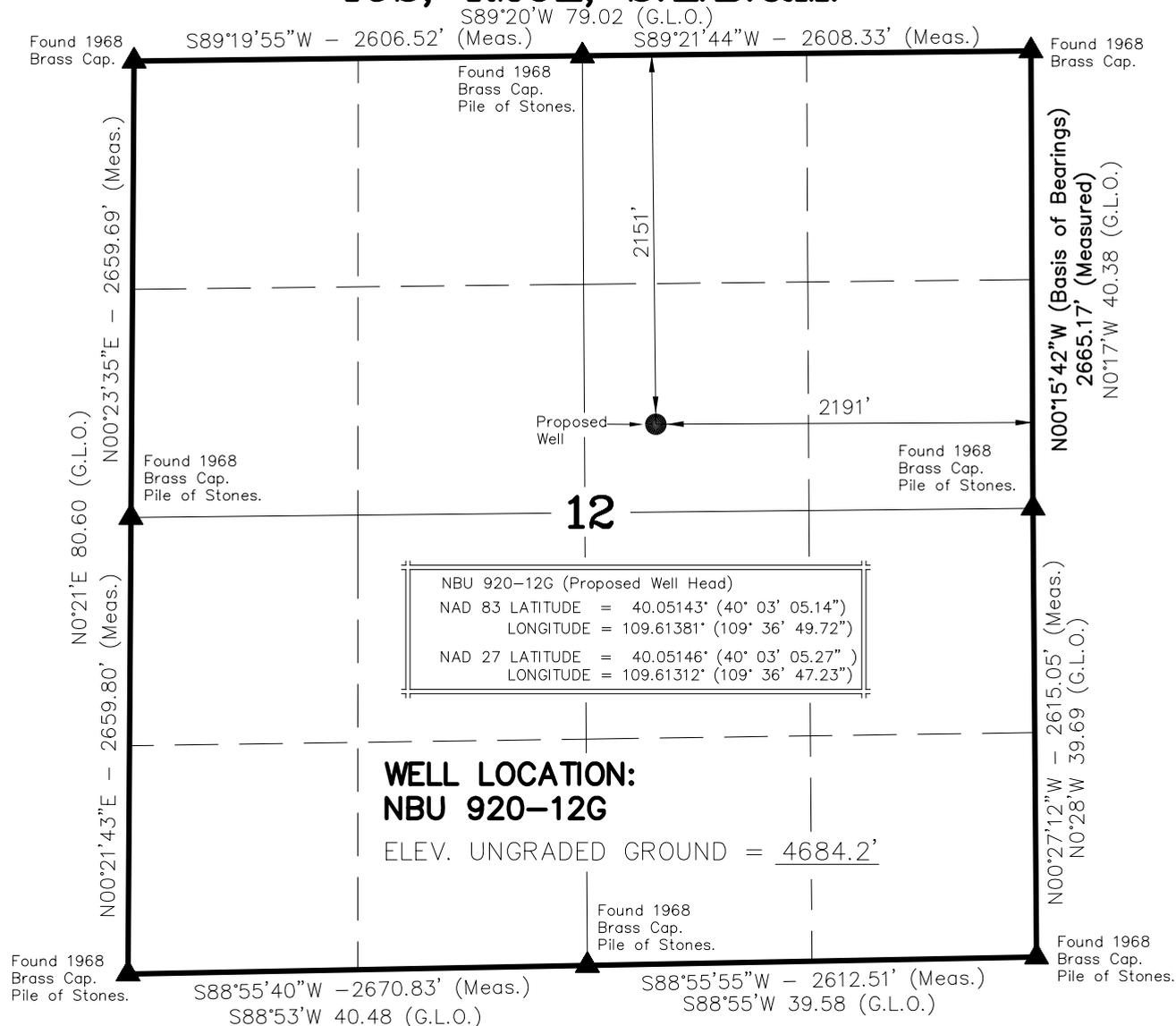
Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	2800		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	2800	36.0			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	2800			
		Cement Description	Class	Sacks	Yield	Weight
			Premium Foamed Cement	315	1.18	15.6

Proposed Hole, Casing, and Cement

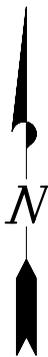
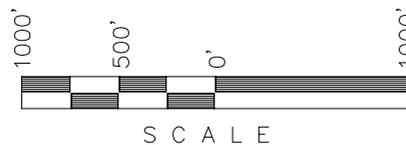
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	10750		
Pipe	Grade	Length	Weight			
	Grade I-80 LT&C	2800	11.6			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	2800			
		Cement Description	Class	Sacks	Yield	Weight
			Premium Lite High Strength	520	3.38	12.5
			Pozzuolanic Cement	1670	3.38	12.5

T9S, R20E, S.L.B.&M.



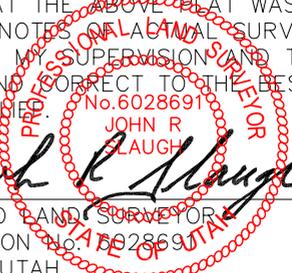
NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- 3. Bearings are based on Global Positioning Satellite observations.
- 4. Basis of elevation is the Northwest Corner of Section 12, T9S, R20E, S.L.B.&M. The elevation of this Section Corner is shown on the Ouray SE 7.5 Min. Quadrangle as being 4676'.

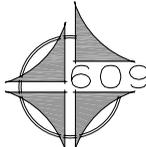


SURVEYOR'S CERTIFICATE

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


John R. Slough
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 6028691
 STATE OF UTAH

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

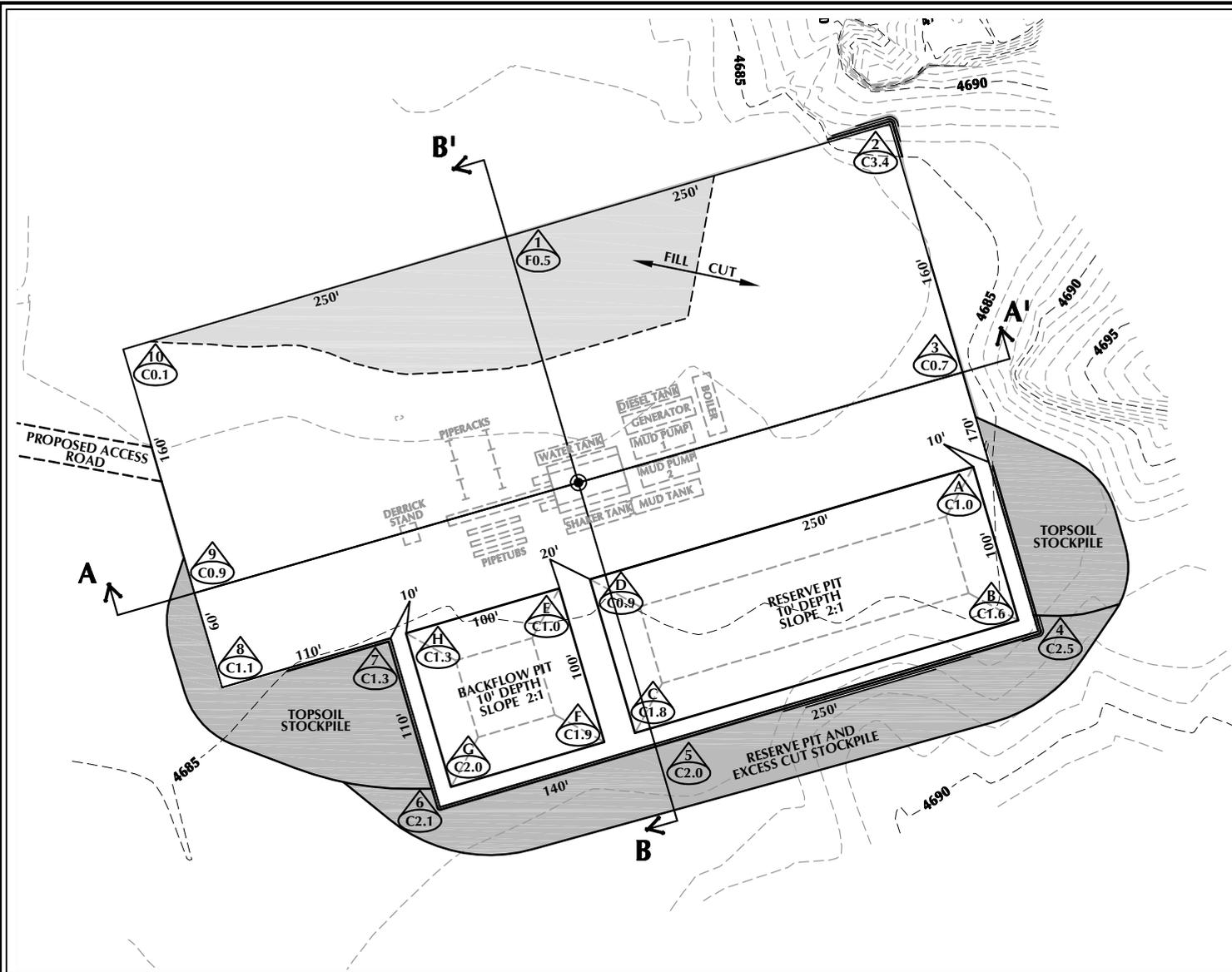


CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
38 WEST 100 NORTH - VERNAL, UTAH 84078

DATE SURVEYED: 07-29-08	SURVEYED BY: M.S.B.	SHEET 1 OF 9
DATE DRAWN: 07-31-08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'		Date Last Revised:

**NBU 920-12G
WELL PLAT**
2151' FNL, 2191' FEL
SW $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 12, T9S, R20E,
S.L.B.&M. UTAH COUNTY, UTAH.



WELL PAD LEGEND

- WELL LOCATION
- - - EXISTING CONTOURS (1' INTERVAL)
- PROPOSED CONTOURS (1' INTERVAL)

WELL PAD NBU 920-12G QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,684.2'
 FINISHED GRADE ELEVATION = 4,683.8'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 1,062 C.Y.
 TOTAL FILL FOR WELL PAD = 768 C.Y.
 TOPSOIL @ 6" DEPTH = 2,887 C.Y.
 TOTAL DISTURBANCE = 3.58 ACRES
 SHRINKAGE FACTOR = 1.15
 SWELL FACTOR = 1.00
 RESERVE PIT CAPACITY (2' OF FREEBOARD)
 +/- 25,880 BARRELS
 RESERVE PIT VOLUME
 +/- 7,185 CY
 BACKFLOW PIT CAPACITY (2' OF FREEBOARD)
 +/- 8,780 BARRELS
 BACKFLOW PIT VOLUME
 +/- 2,520 CY

**KERR-MCGEE OIL & GAS
 ONSHORE L.P.**

1099 18th Street - Denver, Colorado 80202

NBU 920-12G

WELL PAD - LOCATION LAYOUT

2151' FNL, 2191' FEL

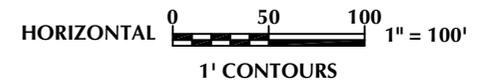
SW1/4NE1/4, SECTION 12, T.9S., R.20E.
 S.L.B.&M., UINTAH COUNTY, UTAH



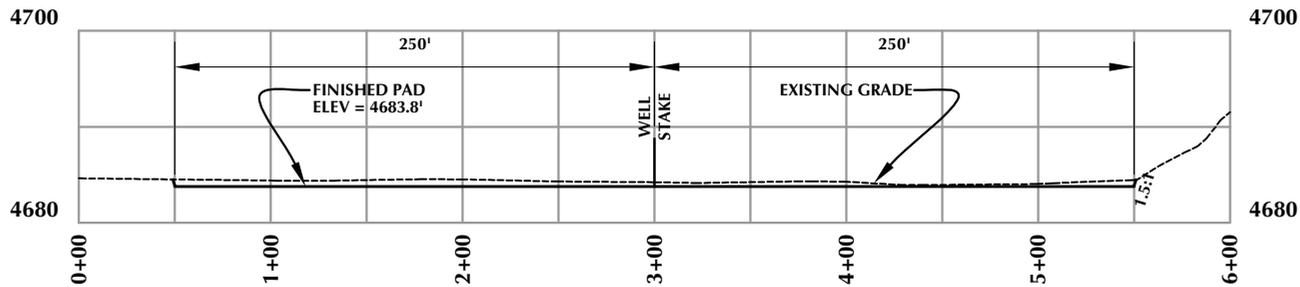
CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

Scale: 1"=100' Date: 8/15/08 SHEET NO:

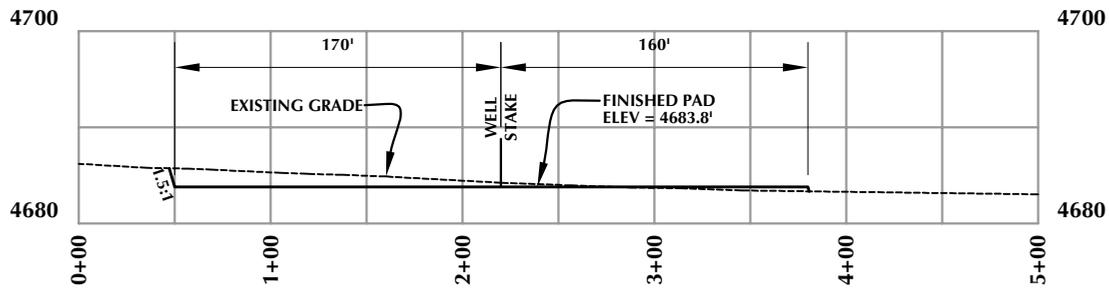
REVISED: BY DATE **2** 2 OF 9



Timberline (435) 789-1365
 Engineering & Land Surveying, Inc.
 38 WEST 100 NORTH VERNAL, UTAH 84078



CROSS SECTION A-A'



CROSS SECTION B-B'

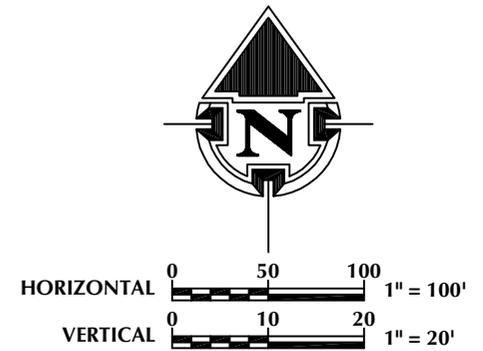
**KERR-MCGEE OIL & GAS
ONSHORE L.P.**
1099 18th Street - Denver, Colorado 80202

**NBU 920-12G
WELL PAD - CROSS SECTIONS
2151' FNL, 2191' FEL
SW1/4NE1/4, SECTION 12, T.9S., R.20E.
S.L.B.&M., UINTAH COUNTY, UTAH**



CONSULTING, LLC
371 Coffeen Avenue
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Scale: 1"=100'	Date: 8/15/08	SHEET NO:
REVISED:	BY DATE	3 3 OF 9



Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

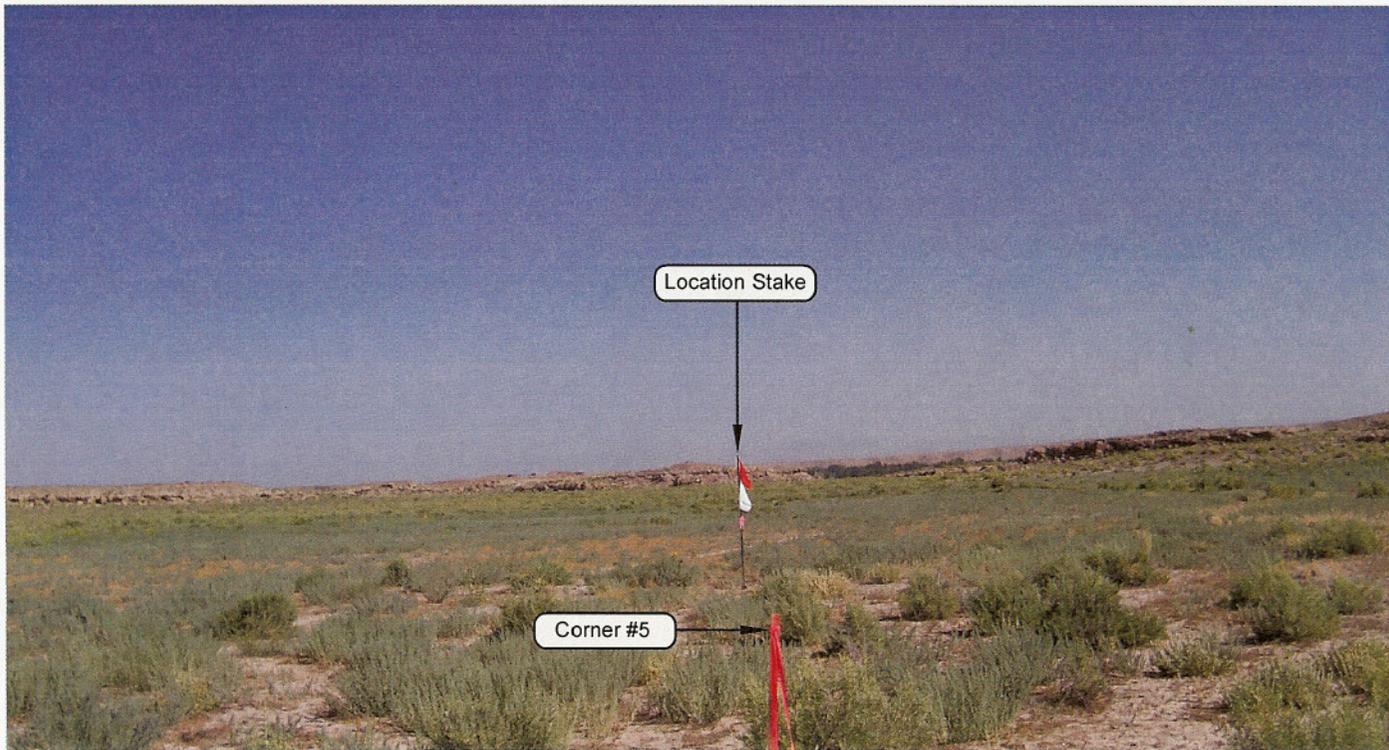


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

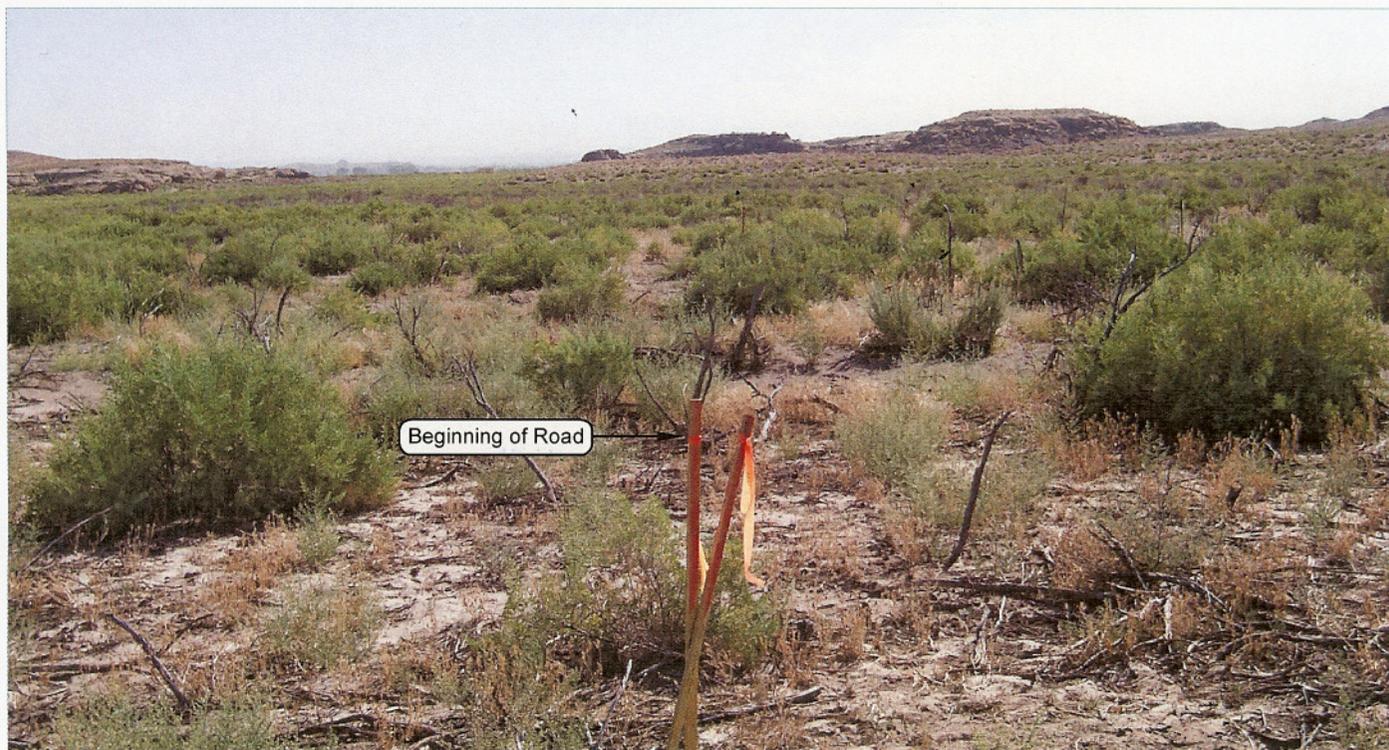


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

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

NBU 920-12G
 2151' FNL, 2191' FEL
 SW $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 12, T9S, R20E,
 S.L.B.&M. UINTAH COUNTY, UTAH.

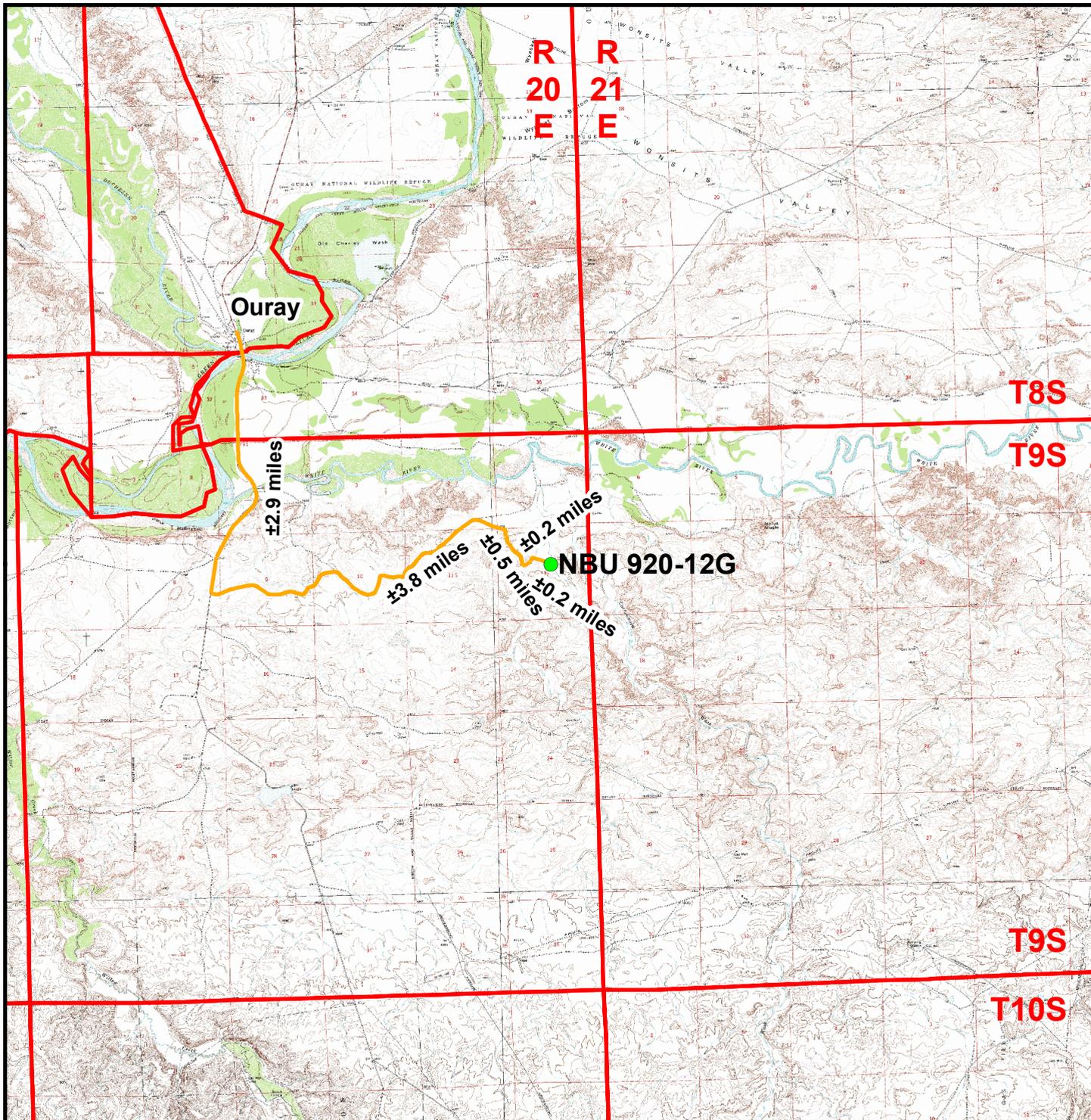


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 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

LOCATION PHOTOS		DATE TAKEN: 07-29-08
		DATE DRAWN: 07-31-08
TAKEN BY: JD.H	DRAWN BY: B.R.B.	REVISED:

Timberline (435) 789-1365
 Engineering & Land Surveying, Inc.
 38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET
4
OF 9



Legend

- Proposed NBU 920-12G Well Location
- Access Route - Proposed

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

NBU 920-12G
Topo A
 2151' FNL, 2191' FEL
 SW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah

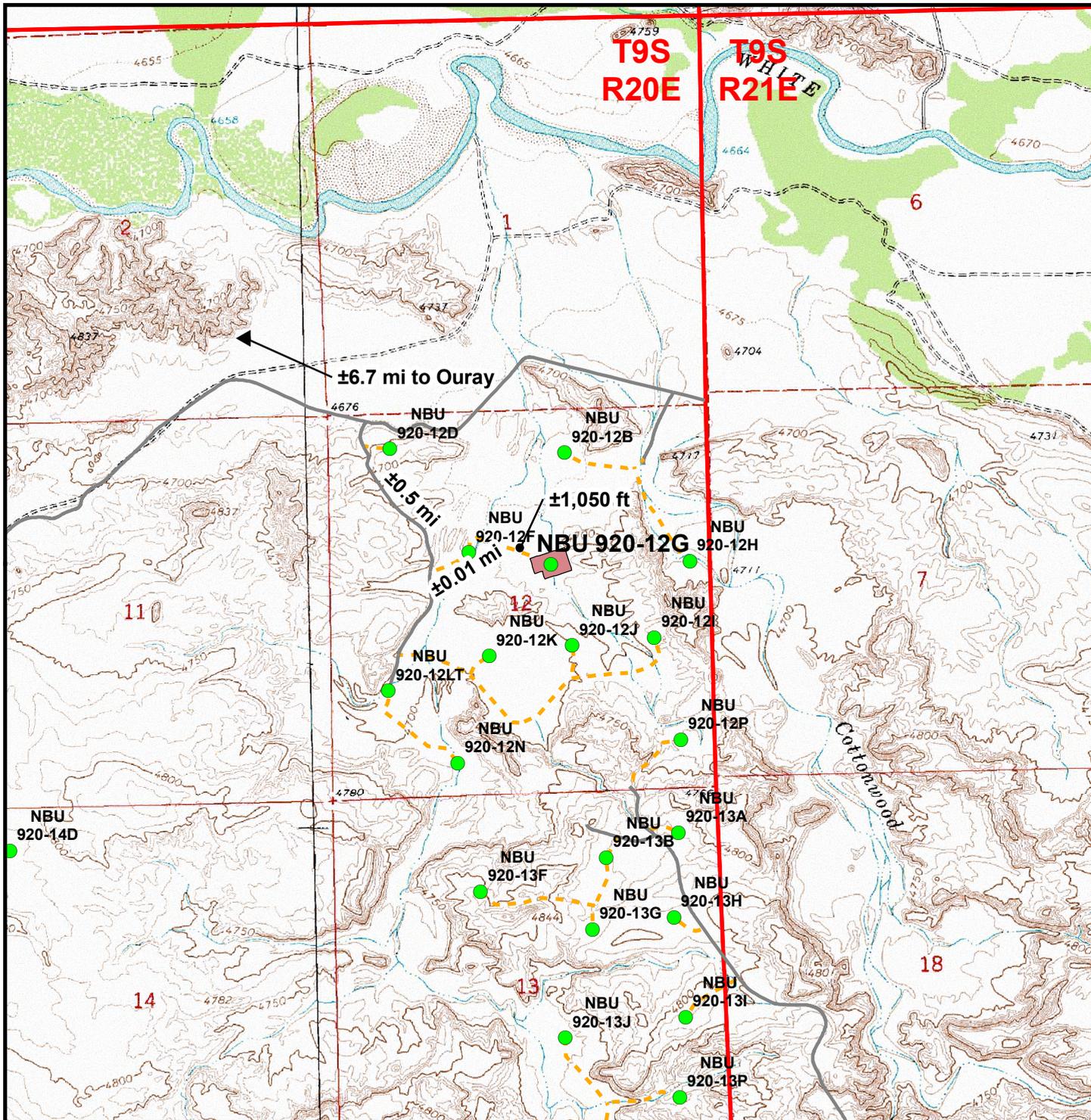


609 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1:100,000	NAD83 USP Central
Drawn: JELO	Date: 14 Aug 2008
Revised:	Date:

Sheet No:
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Legend

- Well - Proposed
- Well Pad
- Road - Proposed
- Road - Existing

Total Proposed Road Length = ±1,050 ft

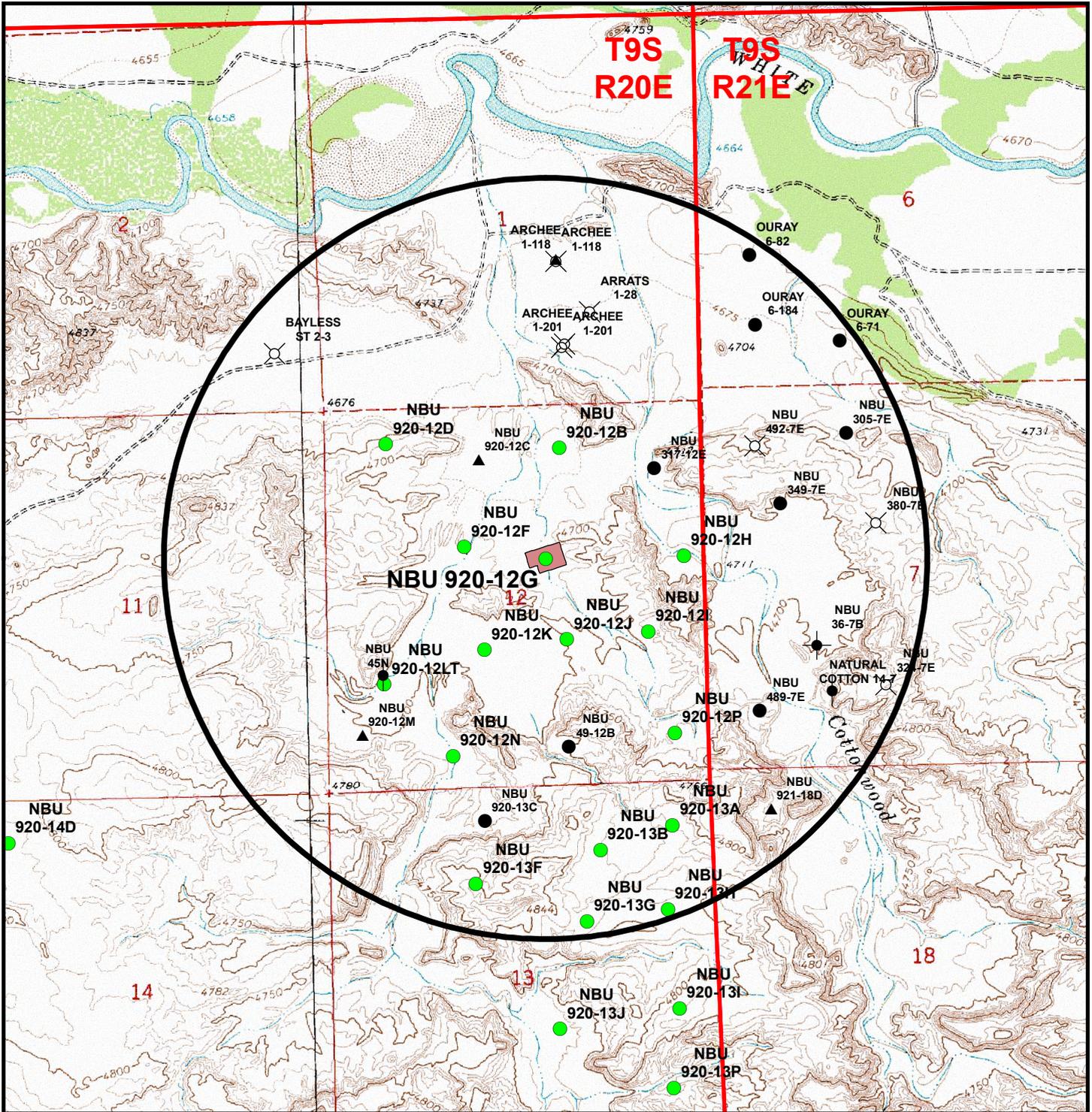
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

NBU 920-12G
 Topo B
 2151' FNL, 2191' FEL
 SW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah

609
 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182

Scale: 1" = 2000ft	NAD83 USP Central
Drawn: JELO	Date: 14 Aug 2008
Revised:	Date:

Sheet No: 6	6 of 9
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Legend

- Well - Proposed
- Well - 1 Mile Radius
- Producing
- ▲ Approved permit (APD); not yet spudded
- Spudded (Drilling commenced: Not yet comple
- Well Pad
- ⊗ Location Abandoned
- Shut-In
- Temporarily-Abandoned
- ⊗ Plugged and Abandoned

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

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

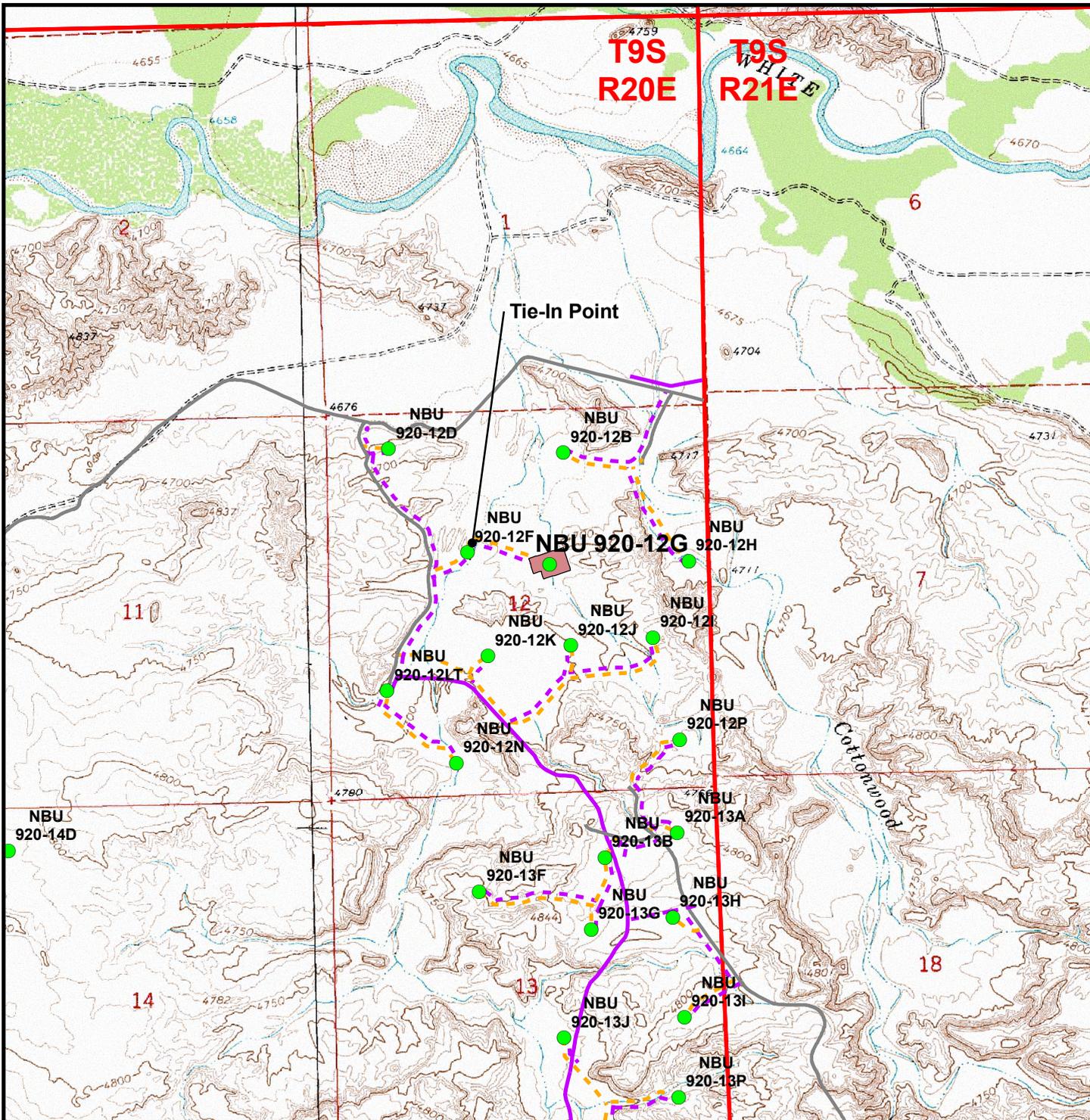
NBU 920-12G
Topo C
2151' FNL, 2191' FEL
SW¼ NE¼, Section 12, T9S, R20E
S.L.B.&M., Uintah County, Utah

609
CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELO	Date: 14 Aug 2008	7
Revised:	Date:	

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Legend

- Well - Proposed
- Well Pad
- Pipeline - Proposed
- Road - Proposed
- Pipeline - Existing
- Road - Existing

Total Proposed Pipeline Length: ±1,301ft

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

NBU 920-12G
Topo D
2151' FNL, 2191' FEL
SW¼ NE¼, Section 12, T9S, R20E
S.L.B.&M., Uintah County, Utah



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Scale: 1" = 2000ft	NAD83 USP Central
Drawn: JELO	Date: 14 Aug 2008
Revised:	Date:

Sheet No: 8	8 of 9
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Kerr-McGee Oil & Gas Onshore, LP
NBU 920-12G
Section 12, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 2.9 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE EAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 3.8 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE SOUTH. EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 0.5 MILES TO THE PROPOSED ACCESS ROAD FOR NBU 920-12F. FOLLOW 920-12F ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 375 FEET TO THE PROPOSED 920-12F WELL LOCATION. PROCEED IN A NORTHEASTERLY DIRECTION THROUGH 920-12F LOCATION APPROXIMATELY 500 FEET TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1,050 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 38.3 MILES IN A SOUTHERLY DIRECTION.

**NBU 920-12G
SWNE Sec. 12, T9S,R20E
UINTAH COUNTY, UTAH
UTU-0144868-B**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1807'
Bird's Nest	2071'
Mahogany	2604'
Wasatch	5267'
Mesaverde	8510'
MVU2	9494'
MVL1	9999'
TD	10750'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1807'
	Bird's Nest	2071'
	Mahogany	2604'
Gas	Wasatch	5267'
Gas	Mesaverde	8510'
Gas	MVU2	9494'
Gas	MVL1	9999'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10750' TD, approximately equals 6696 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4320 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variances:**

*Please see Natural Buttes Unit SOP 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 12-1/4 inch hole

to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 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 9-5/8 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 see Natural Buttes Unit SOP.



**KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	483000
SURFACE	9-5/8"	0 to 2,800'	38.00	J-55	LTC	0.78	1.54	5.13
						7780	8380	201000
PRODUCTION	4-1/2"	0 to 10750'	11.60	I-80	LTC	1.68	0.91	1.85

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))
 - 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 12.5 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
 MASP 4320 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps floccle				
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt	100		15.60	1.18
			+ 2% CaCl + .25 pps floccle				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will drill into water to surface, option 2 will be utilized				
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite	230	35%	11.00	3.82
			+ .25 pps floccle + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps floccle				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,760'	Premium Lite II + 3% KCl + 0.25 pps	520	60%	12.50	3.38
			celluloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,990'	50/50 Poz/G + 10% salt + 2% gel	1670	60%	14.30	1.31
			+ .1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
 *Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 6M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & Inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: Brad Laney DATE: _____
 DRILLING SUPERINTENDENT: Randy Bayne DATE: _____
 NBU 920-12G

**NBU 920-12G
SWNE SEC. 12 ,T9S,R20E
UINTAH COUNTY, UTAH
UTU-0144868-B**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

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

2. Planned Access Roads:

No new access road is planned, as this is a twin location. Refer to Topo Map B.

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

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

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

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Refer to Topo Map D for the location of the proposed pipelines.

Variations to Best Management Practices (BMPs) Requested:

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Shadow gray, a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the

original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

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

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

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

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

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

Please see the Natural Buttes SOP.

Operator shall call the BIA for the seed mixture when final reclamation occurs.

11. Surface/Mineral Ownership:

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

The mineral ownership is listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Stipulations/Notices/Mitigation:

There are no stipulations or notices for this location.

13. Other Information:

A Class III archaeological survey has been performed and will be submitted. Attached is the cover page for the Paleontological Report (IPC 08-142).

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

14. Lessee's or Operator's Representative & Certification:

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6666

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

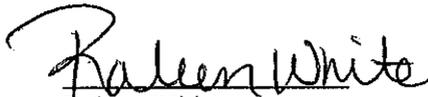
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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 the terms and conditions of the lease for the operations conducted upon leased lands.

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.

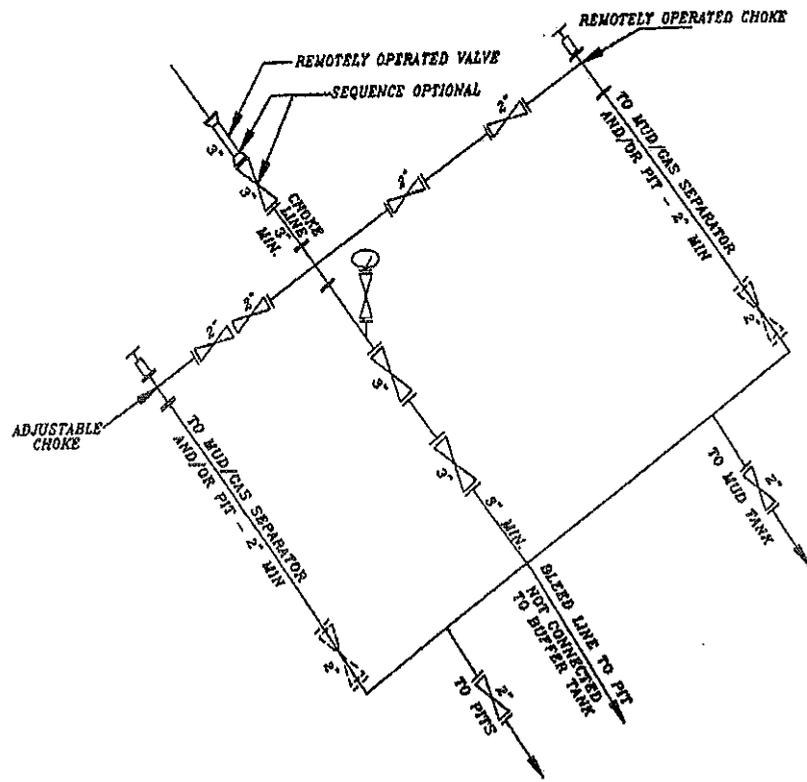
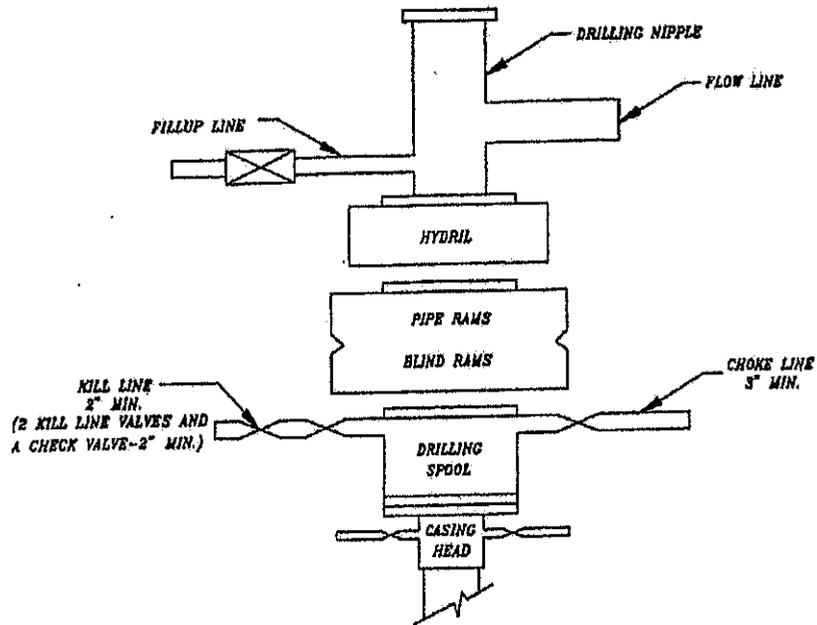
Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239.

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


Raleen White

9/11/2008
Date

EXHIBIT A

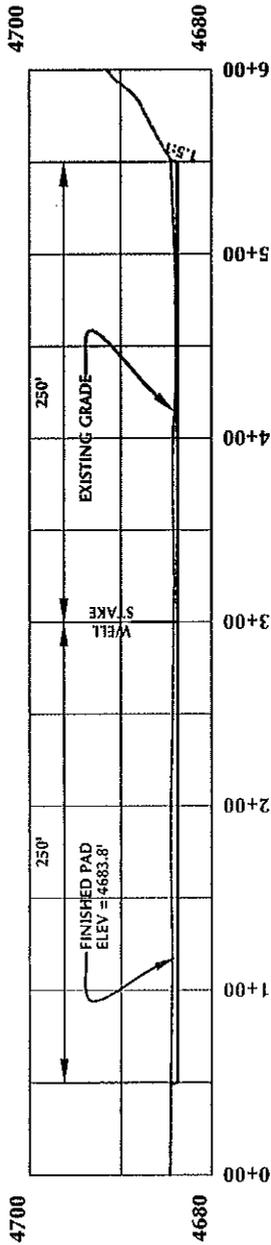


SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

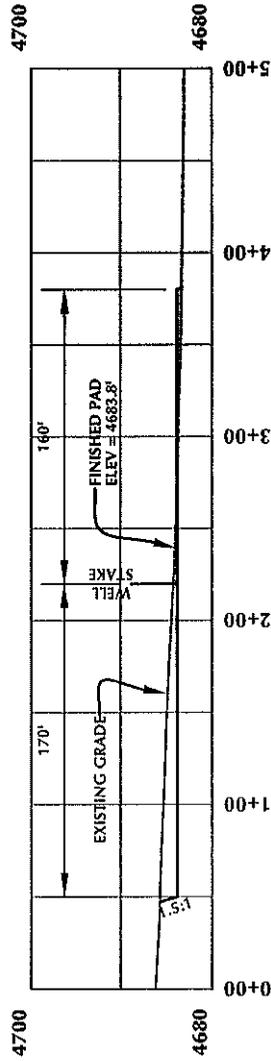
Kerr-McGee Oil & Gas Onshore, LP
NBU 920-12G
Section 12, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 2.9 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE EAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 3.8 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE SOUTH. EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 0.5 MILES TO THE PROPOSED ACCESS ROAD FOR NBU 920-12F. FOLLOW 920-12F ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 375 FEET TO THE PROPOSED 920-12F WELL LOCATION. PROCEED IN A NORTHEASTERLY DIRECTION THROUGH 920-12F LOCATION APPROXIMATELY 500 FEET TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1,050 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 38.3 MILES IN A SOUTHERLY DIRECTION.



CROSS SECTION A-A'



CROSS SECTION B-B'



Timberline
 Engineering & Land Surveying, Inc.
 38 WEST 100 NORTH
 VERNAL, UTAH 84078
 (435) 789-1365



609 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

KERR-MCGEE OIL & GAS
ONSHORE L.P.
 1099 18th Street - Denver, Colorado 80202

NBU 920-12G
WELL PAD - CROSS SECTIONS
2151' FNL, 2191' FEL
SW1/4NE1/4, SECTION 12, T.9S., R.20E.
S.L.B.&M., UINTAH COUNTY, UTAH

Scale: 1"=100'	Date: 8/15/08	SHEET NO:
REVISID:	BY DATE	3
		3 OF 9

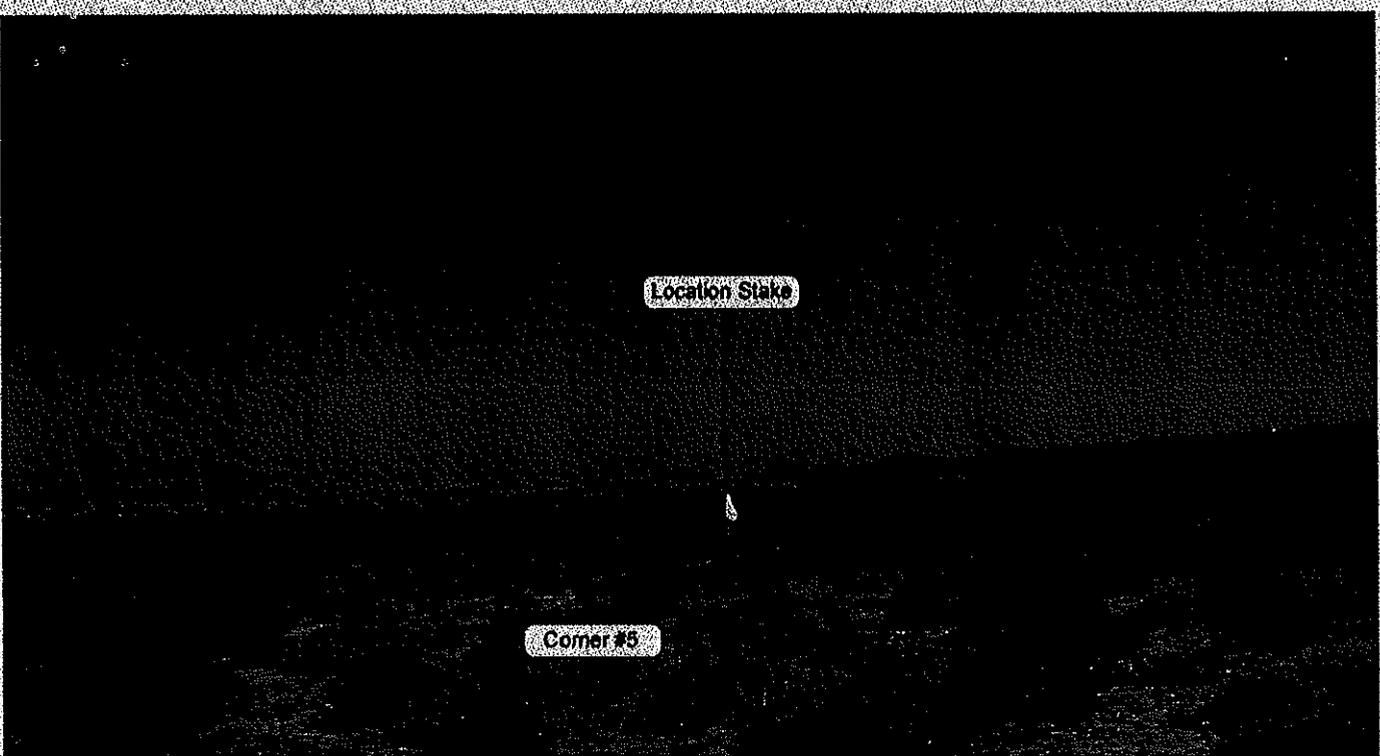


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

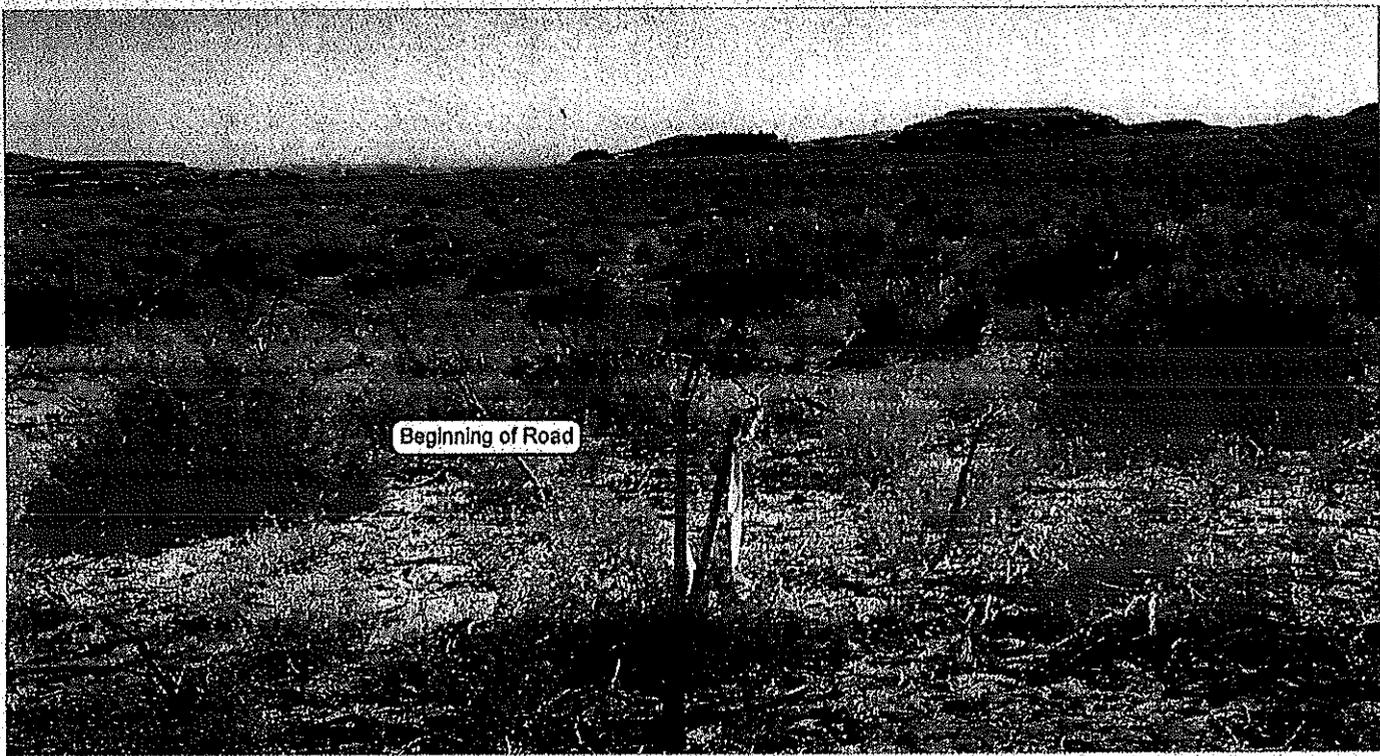


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

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

NBU 920-12G
2151' FNL, 2191' FEL
SW 1/4 NE 1/4 OF SECTION 12, T9S, R20E,
S.L.B.&M. UINTAH COUNTY, UTAH.

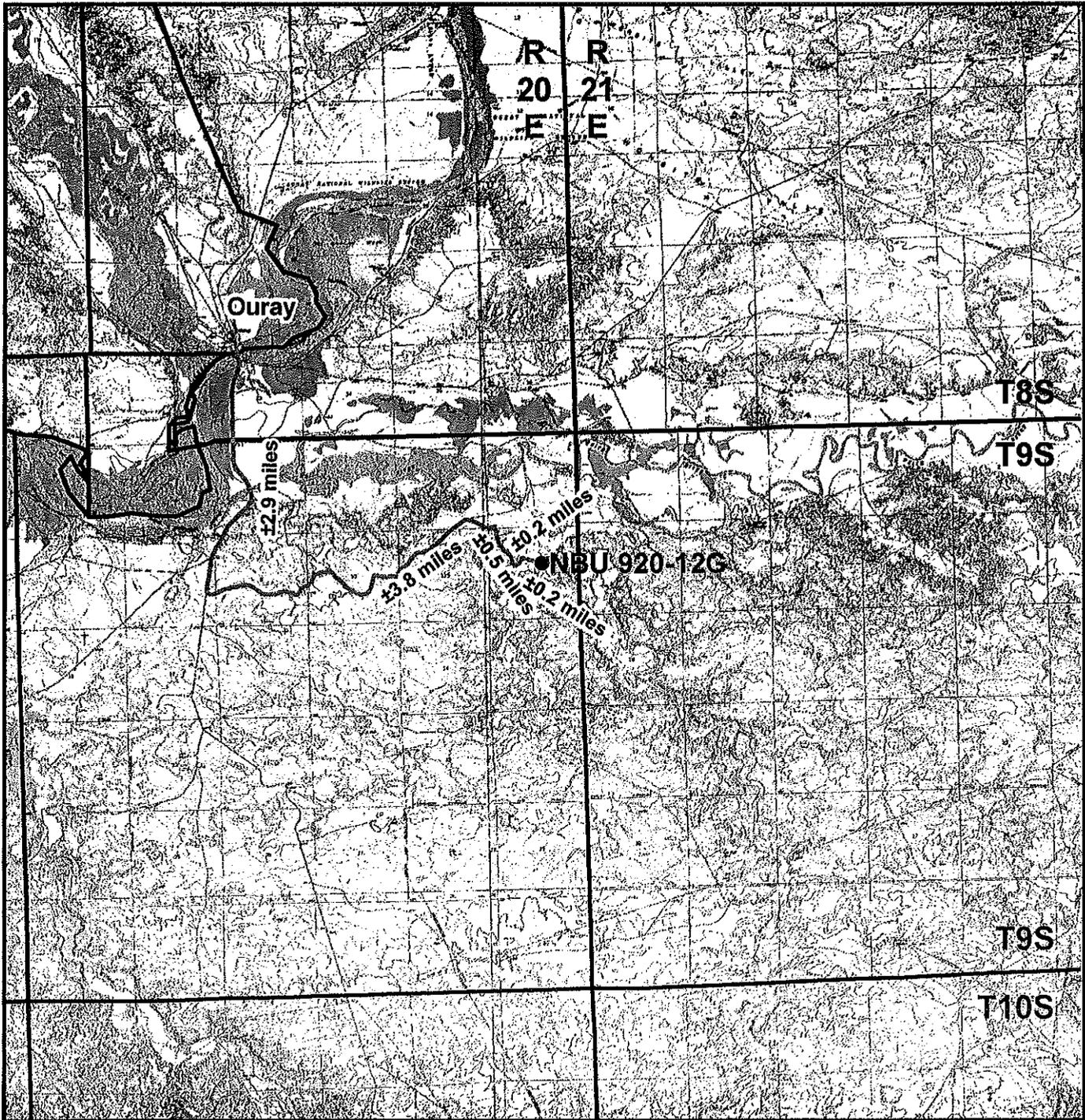


CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

LOCATION PHOTOS		DATE TAKEN: 07-29-08
		DATE DRAWN: 07-31-08
TAKEN BY: J.D.H.	DRAWN BY: B.R.B.	REVISED:

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET
4
OF 9



Legend

- Proposed NBU 920-12G Well Location
- Access Route - Proposed

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

NBU 920-12G

Topo A

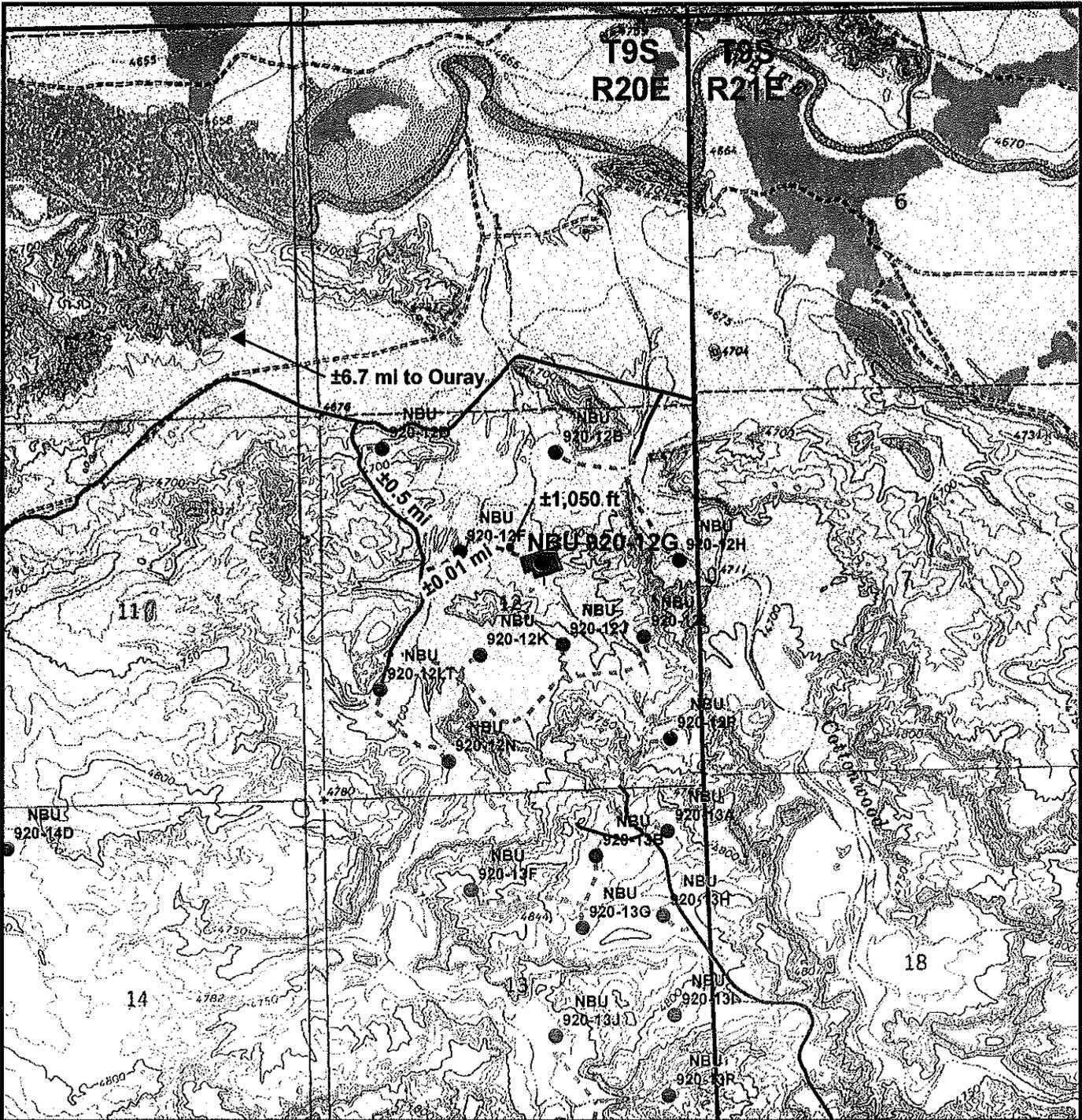
2151' FNL, 2191' FEL
SW¼ NE¼, Section 12, T9S, R20E
S.L.B.&M., Uintah County, Utah



CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1:100,000	NAD83 USP Central	Sheet No:
Drawn: JELo	Date: 14 Aug 2008	5
Revised:	Date:	5 of 9



Legend

- Well - Proposed
- Well Pad
- - - Road - Proposed
- Road - Existing

Total Proposed Road Length = ±1,050 ft

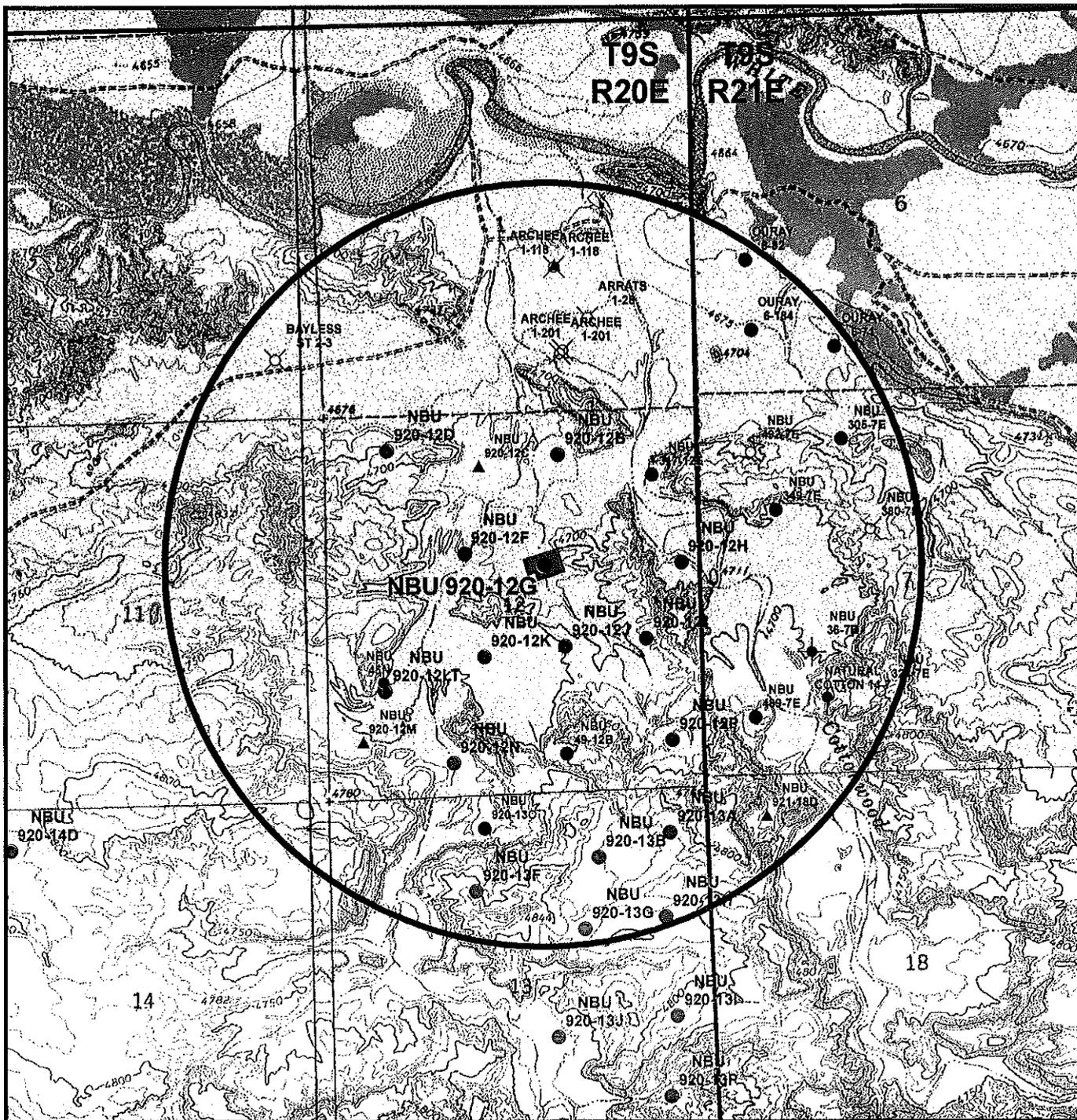
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

NBU 920-12G
 Topo B
 2151' FNL, 2191' FEL
 SW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah



CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182

Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELO	Date: 14 Aug 2008	6
Revised:	Date:	6 of 9



Legend

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

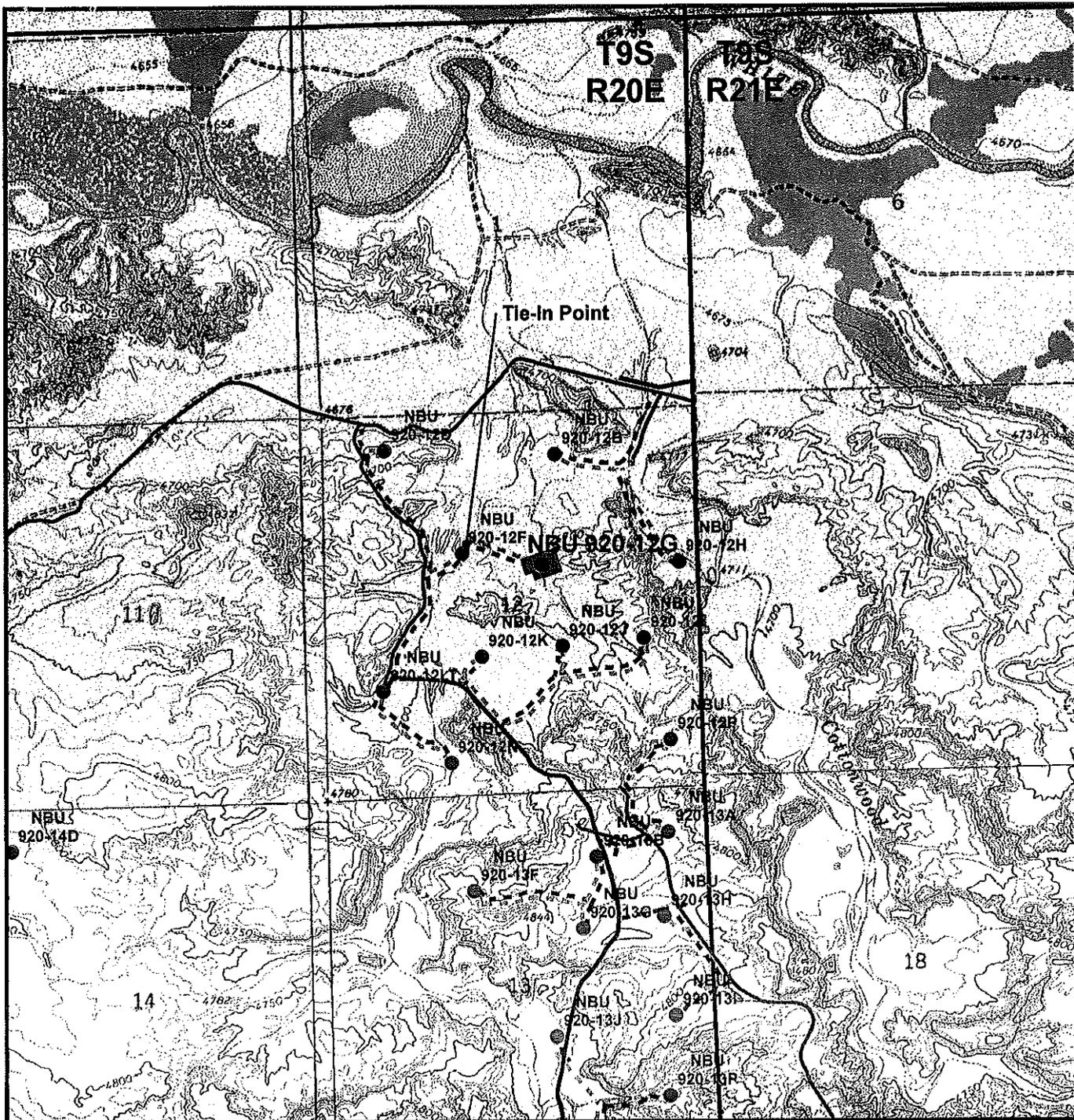
- Well - Proposed
- ◻ Well - 1 Mile Radius
- Producing
- ⊗ Location Abandoned
- ◼ Well Pad
- ▲ Approved permit (APD); not yet spudded
- ⊖ Temporarily-Abandoned
- ⊙ Spudded (Drilling commenced; Not yet complete)
- ⊕ Plugged and Abandoned
- ⊖ Shut-In

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

CONSULTING, LLC
 371 Coffee Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182

NBU 920-12G
Topo C
 2151' FNL, 2191' FEL
 SW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah

Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELo	Date: 14 Aug 2008	7
Revised:	Date:	7 of 9



Legend

Total Proposed Pipeline Length: ±1,301ft

- Well - Proposed
- Well Pad
- - - Pipeline - Proposed
- - - Road - Proposed
- Pipeline - Existing
- Road - Existing

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



CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182

NBU 920-12G
Topo D
 2151' FNL, 2191' FEL
 SW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah

Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELo	Date: 14 Aug 2008	8
Revised:	Date:	8 of 9

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)

October 14, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 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 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ WASATCH-MESAVERDE)		
43-047-50179	NBU 920-12H Sec 12 T09S R20E 2170 FNL 0279 FEL	
43-047-50180	NBU 920-12G Sec 12 T09S R20E 2151 FNL 2191 FEL	
43-047-50181	NBU 920-12F Sec 12 T09S R20E 1957 FNL 1922 FWL	
43-047-50185	NBU 920-29A Sec 29 T09S R20E 0616 FNL 0927 FEL	
43-047-50174	NBU 920-12B Sec 12 T09S R20E 0627 FNL 1964 FEL	
43-047-50186	NBU 920-29D Sec 29 T09S R20E 0552 FNL 0859 FWL	

(Proposed PZ MESAVERDE)		
43-047-50162	NBU 920-12LT Sec 12 T09S R20E 1538 FSL 0792 FWL	
43-047-50161	NBU 920-24AT Sec 24 T09S R20E 0709 FNL 0704 FEL	

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

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

MCoulthard:mc:10-14-08

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/1/2008

API NO. ASSIGNED: 43047501800000

WELL NAME: NBU 920-12G

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

PHONE NUMBER: 720 929-6666

CONTACT: Raleen White

PROPOSED LOCATION: SWNE 12 090S 200E

Permit Tech Review:

SURFACE: 2151 FNL 2191 FEL

Engineering Review:

BOTTOM: 2151 FNL 2191 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.05143

LONGITUDE: -109.61312

UTM SURF EASTINGS: 618300.00

NORTHINGS: 4434176.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0144868-B

PROPOSED FORMATION: MVRD

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT**
- Bond:** FEDERAL - WYB-000291
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** Permit #43-8496
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

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: 460' fr u bdry & uncomm. tract
- R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
3 - Commingling - ddoucet
4 - Federal Approval - dmason
17 - Oil Shale 190-5(b) - dmason



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: NBU 920-12G
API Well Number: 43047501800000
Lease Number: UTU-0144868-B
Surface Owner: INDIAN
Approval Date: 12/23/2008

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 .

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

Commingling:

In accordance with Cause No. 173-14, commingling 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:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

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.

Notification Requirements:

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

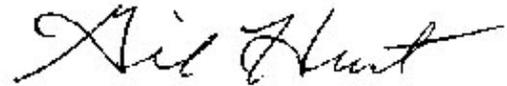
Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

Reporting Requirements:

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

Approved By:

A handwritten signature in black ink, appearing to read "Gil Hunt", with a stylized, cursive script.

Gil Hunt
Associate Director, Oil & Gas

RECEIVED
VERNAL FIELD OFFICE

Form 3160-3
(August 1999)

2009 SEP 18 PM 1 01

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-0144868-B
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE TRIBE
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. 891008900A
3A. Address PO BOX 173779, DENVER, CO 80217-3779	3b. Phone No. (include area code) 720-929-6666	8. Lease Name and Well No. NBU 920-12G
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNE, 2151' FNL, 2191' FEL NAD 83 40.05143/ LONG 109.61381 At proposed prod. Zone		9. API Well No. 43 047 50180
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 38 +/- MILES FROM VERNAL, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 2151'	16. No. of Acres in lease 600	11. Sec., T., R., M., or Blk, and Survey or Area SECTION 12, T9S, R20E, SLB&M
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1500' +/-	19. Proposed Depth 10800'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4699' KB	22. Approximate date work will start* ASAP	13. State UTAH
17. Spacing Unit dedicated to this well NBU WELL		
20. BLM/BIA Bond No. on file RLB0005239		
23. Estimated duration 10 DAYS		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature <i>Raleen White</i>	Name (Printed/Typed) RALEEN WHITE	Date 9/11/2008
Title Sr. Regulatory Analyst		
Approved by (Signature) <i>Stephanie J Howard</i>	Name (Printed/Typed) Stephanie J Howard	Date 9/2/09
Title Acting Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

SEP 15 2009

DIV. OF OIL, GAS & MINING

NOS apd posted 9-22-08
ME
AFMSS# 09JM0055A

NOTICE OF APPROVAL

UDOGM

CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Kerr McGee Oil & Gas Onshore LP	Location:	SWNE, Sec. 12, T9S R20E
Well No:	NBU 920-12G	Lease No:	UTU-0144868-B
API No:	43-047-50180	Agreement:	Natural Buttes Unit

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

- Additional Stipulations:
 - Paint facilities "shadow gray."
- Utilize pit-run/gravel for well pad and access road support.
- Construct surface pipeline according to the BLM's Hydraulic Consideration for Pipeline Crossings of Stream Channels (BLM, 2003) where it crosses the wash.
- Construct access road with a low-water crossing through the wash to accommodate possible flooding. Use pit-run/gravel ant the water crossing.
- If project construction operations are scheduled to occur after December 31, 2009, KMG will conduct additional raptor surveys in accordance with the guidelines specified in the Utah Field Office Guidelines for Raptor Protection for Human and Land Use Disturbances, 2002 and conduct its operations according to applicable seasonal restrictions and spatial offsets.
- If project construction operation are scheduled to occur after April 20, 2010, KMG will conduct additional biological surveys in accordance with the guidelines specified I the USFWS Rare Plant Conservation Measures for Uinta Basin hookless cactus and conduct its operation according to its specifications.

General Conditions of Approval:

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.

- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COA's)**

- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868-B
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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: Ute In 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12G
------------------------------------	------------------------------------------------

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501800000
-------------------------------------------------------------------	-----------------------------------------

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2151 FNL 2191 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 12 Township: 09.0S Range: 20.0E 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: 11/8/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER:

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

MIRU PROPETRO AIR RIG ON 11/06/2009. DRILLED 12-1/4" SURFACE HOLE TO 2800'. RAN 9-5/8" 36# J-55 SURFACE CASING. PUMP 20 BBLs OF GEL WATER. LEAD CMT W/270 SX CLASS G HI FILL @ 11.0 PPG, 3.82 YIELD. TAILED CMT W/225 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD. DRUG PLUG ON FLY AND DISPLACE W/208 BBLs OF 8.3# H2O. 30 BBLs LEAD TO SURFACE W/550 PSI OF LIFT @ 5 BBLs/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. TOP OUT W/100 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YIELD, 5 GAL/SK CMT DOWN 1". 2 BBLs OF CMT TO SURFACE. CMT FELL BACK. WAIT 1 HR AND PUMP TOP OUT #2 W/125 SX OF SAME CMT. CMT TO SURFACE. WORT.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 November 09, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/9/2009

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) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750341	NBU 1021-13B3CS		NENE	13	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	11/2/2009		<u>11/10/09</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 11/2/2009 AT 15:00 HRS. <u>BHL = N WNE</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750180	NBU 920-12G		SWNE	12	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	11/5/2009		<u>11/10/09</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>MVRD = WSTMVD</u> SPUD WELL LOCATION ON 11/5/2009 AT 15:00 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750160	NBU 920-12D		NWNW	12	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	11/6/2009		<u>11/10/09</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>MVRD = WSTMVD</u> SPUD WELL LOCATION ON 11/6/2009 AT 9:30 HRS.							

ACTION CODES:

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

ANDY LYTLE

Name (Please Print)

Signature 

REGULATORY ANALYST

11/9/2009

Title

Date

RECEIVED

NOV 09 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868-B
---------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------

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: Ute In 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12G
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501800000
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2151 FNL 2191 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 12 Township: 09.0S Range: 20.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/19/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" 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 checked="" 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:

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

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface casing size for this well. The surface casing size is changing FROM: 9-5/8" TO: 8-5/8". Please see the attached drilling program for additional details. If you have any questions, please contact the undersigned. Thank you.

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

Date: November 18, 2009

By: *Danielle Piernot*

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/17/2009



**KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	437,000
SURFACE	8-5/8"	0 to 2805	28.00	J-55	LTC	0.76*	1.43	5.56
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	7,780	6,350	278,000
		9600 to 10800	11.60	HCP-110	LTC	1.74	1.04	2.73
						10,690	8,650	279,000
						2.39	1.26	24.64

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 1.92

- 1) Max Anticipated Surf. Press. (MASP) (Surf Csg) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac grad x TVD of next csg point))
 (Burst Assumptions: TD = 12.2 ppg) 0.22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 4,353 psi
- 2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 12.2 ppg) 0.62 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 6,729 psi

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
Option 1 TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	260	0%	15.60	1.18
NOTE: If well will circulate water to surface, option 2 will be utilized						
SURFACE LEAD	2,305'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	210	35%	11.00	3.82
TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.60	1.18
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	4,760'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel ' + 1% Retarder	380	40%	11.00	3.38
TAIL	6,040'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,480	40%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
 *Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint for a total of 15 bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 5M with one annular and 2 rams. 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.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ DATE: _____
 John Huycke / Emile Goodwin
 DRILLING SUPERINTENDENT: _____ DATE: _____
 John Merkel / Lovel Young

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868-B
---------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------

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: Ute In 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12G
------------------------------------	------------------------------------------------

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501800000
-------------------------------------------------------------------	-----------------------------------------

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
-------------------------------------------------------------------------------------------------------	------------------------------------------	--------------------------------------------------------

4. LOCATION OF WELL FOOTAGES AT SURFACE: 2151 FNL 2191 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 12 Township: 09.0S Range: 20.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/30/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" 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:

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

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the grade of surface drilling pipe for this well. The surface pipe grade is changing FROM: J-55 LT&C TO: IJ-55 LT&C. Please see the attached drilling program for additional details. If you have any questions, please contact the undersigned. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: November 25, 2009

By: *Danielle Piernot*

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 11/24/2009



**KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	348,000
SURFACE	8-5/8"	0 to 2805	28.00	IJ-55	LTC	0.76*	1.43	4.43
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	7,780	6,350	278,000
		9600 to 10800	11.60	HCP-110	LTC	1.74	1.04	2.73
						10,690	8,650	279,000
						2.39	1.26	24.64

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 1.92

- 1) Max Anticipated Surf. Press. (MASP) (Surf Csg) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac grad x TVD of next csg point))
 (Burst Assumptions: TD = 12.2 ppg) 0.22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing * Buoy. Fact. of water)
MASP 4,353 psi
- 3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
 (Burst Assumptions: TD = 12.2 ppg) 0.62 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing * Buoy. Fact. of water)
MABHP 6,729 psi

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
Option 1 TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	310	0%	15.60	1.18
NOTE: If well will circulate water to surface, option 2 will be utilized						
SURFACE LEAD	2,305'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	210	35%	11.00	3.82
TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.60	1.18
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	4,760'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 1% Retarder	380	40%	11.00	3.38
TAIL	6,040'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,480	40%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
 *Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint for a total of 15 bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 5M with one annular and 2 rams. 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.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ DATE: _____
 John Huycke / Emile Goodwin
 DRILLING SUPERINTENDENT: _____ DATE: _____
 John Merkel / Lovel Young

SUBMIT AS EMAIL

Print Form

BLM - Vernal Field Office - Notification Form

Operator ANADARKO Rig Name/# PIONEER 69
Submitted By DALTON KING Phone Number 435-828-0982
Well Name/Number NBU 920-12G
Qtr/Qtr SW/NE Section 12 Township 9S Range 20E
Lease Serial Number UTU-0144868-B
API Number 43-047-50180

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

Date/Time _____ AM PM

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

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

Date/Time 01/22/2011 10:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks TIME IS ESTIMATED

RECEIVED

JAN 20 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868-B
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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: Ute In 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12G
------------------------------------	------------------------------------------------

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501800000
-------------------------------------------------------------------	-----------------------------------------

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
-------------------------------------------------------------------------------------------------------	------------------------------------------

4. LOCATION OF WELL FOOTAGES AT SURFACE: 2151 FNL 2191 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 12 Township: 09.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/22/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="RIG RELEASE"/>

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

FINISHED DRILLING FROM 2800' TO 10,880' ON JANUARY 20, 2011. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 713 SX CLASS G PREM LITE @ 13.1 PPG, 1.76 YD. TAILED CEMENT W/ 1419 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YD. DISPLACED W/ 168 BBLS CLAYTREAT WATER, FINAL LIFT 3595 PSI. BUMPED PLUG @ 3920 PSI, FLOATS HELD. 15 BBLS SPACER BACK, NO CEMENT TO SURFACE. EST TOP OF TAIL @ 4709'; EST TOC LEAD @ 600'. RD CEMENTERS AND CLEANED PITS. RELEASED PIONEER RIG #69 ON JANUARY 22, 2011 @ 20:00 HRS.

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

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 1/24/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868-B
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12G	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501800000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2151 FNL 2191 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 12 Township: 09.0S Range: 20.0E 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: 4/15/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well was placed on production on 04/15/2011 at 3:00 P.M. The chronological well history will be submitted with the well completion report.</p> <p style="text-align: right;">Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</p>		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/19/2011	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU0144868B

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU63047A

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE; Contact: GINA T. BECKER
 Mail: gina.becker@anadarko.com

8. Lease Name and Well No.
NBU 920-12G

3. Address POBOX 173779 DENVER, CO 80217
 3a. Phone No. (include area code)
 Ph: 720-929-6086

9. API Well No.
43-047-50180

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface SWNE 2151FNL 2191FEL 40.051428 N Lat, 109.613811 W Lon
 At top prod interval reported below SWNE 2151FNL 2191FEL 40.051428 N Lat, 109.613811 W Lon
 At total depth SWNE 2151FNL 2191FEL 40.051428 N Lat, 109.613811 W Lon

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
or Area Sec 12 T9S R20E Mer SLB

12. County or Parish
UINTAH
 13. State
UT

14. Date Spudded
11/05/2009
 15. Date T.D. Reached
01/20/2011
 16. Date Completed
 D & A Ready to Prod.
 04/15/2011

17. Elevations (DF, KB, RT, GL)*
4684 GL

18. Total Depth: MD 10880 TVD 10877
 19. Plug Back T.D.: MD 10819 TVD 10816
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 RCBL/GR-HDIL/ZDL/CNGR
 22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit analysis)
 Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7		40		28			
12.250	9.625 J-55	36.0		2789		720		0	
7.875	4.500 I-80	11.6		9554		2132		350	
7.875	4.500 P110	11.6	9554	10863					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	10408							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6054	8364	6054 TO 8364	0.360	93	OPEN
B) MESAVERDE	8534	10794	8534 TO 10794	0.360	103	OPEN
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
6054 TO 10794	PUMP 8,833 BBLs SLICK H20 & 342,757 LBS SAND

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04/15/2011	04/24/2011	24	→	0.0	1979.0	371.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI 1183	1086.0	→	0	1979	371		PGW	

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

28a. Production - Interval B

(See Instructions and spaces for additional data on reverse side)
 E.I. ELECTRONIC SUBMISSION #108321 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED**
RECEIVED
MAY 24 2011
 DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

30. 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1760				
BIRD'S NEST	2050				
MAHOGANY	2465				
WASATCH	5283	8499			
MESAVERDE	8499	10880			

32. Additional remarks (include plugging procedure):

Attached is the chronological well history. Completion chrono details individual frac stages.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #108321 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal**

Name (please print) GINA T. BECKER Title REGULATORY ANALYST

Signature (Electronic Submission) Date 05/13/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12G	Spud Conductor: 11/5/2009	Spud Date: 11/6/2009
Project: UTAH-UINTAH	Site: NBU 920-12G	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 11/5/2009	End Date: 1/22/2011
Active Datum: RKB @4,717.00ft (above Mean Sea Level)	UWI: SW/NE/0/9/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/6/2009	14:00 - 17:00	3.00	MIRU	01	B	P		DRESS CONDUCTOR, INSTALL AIR BOWL, INSTALL BOWIE LINE, RIG UP RIG, RIG UP PUMPS.
	17:00 - 19:00	2.00	DRLSUR	02	A	P		P/U AIR HAMMER (AIR SPUD 11/06/2009 17:00) AIR HAMMER 44'- 180'.
	19:00 - 21:30	2.50	DRLSUR	06	A	P		LD AIR HAMMER, P/U HUNTING PERFORMANCE MUD MOTOR 1.5 BENT HOUSING .16 RPM 7/8 LOBE SN 8049, AND M/U HC507Z SN 7015010 W/ 7X18'S JETS, P/U 8" DC'S.
	21:30 - 0:00	2.50	DRLSUR	02	B	P		DRILL 180'- 550' (370', 148'/HR) WOB 5-20K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI-1300/1600, UP/DOWN/ROT= 55/55/55
11/7/2009	0:00 - 0:30	0.50	DRLSUR	10	A	P		CLEAN HOLE AND WIRELINE SURVEY WITH SINGLE SHOT 490'= 3/4 DEGREE INC. ONLY.
	0:30 - 5:30	5.00	DRLSUR	02	B	P		DRILL 550'- 1090' (540', 108'/HR) WOB 20K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI-1300/1600, UP/DOWN/ROT= 59/59/59 FULL CIRC. CIRC RESERVE PIT.
	5:30 - 6:00	0.50	DRLSUR	10	A	P		CLEAN HOLE AND WIRELINE SURVEY WITH SINGLE SHOT 1030'= 1 DEGREE INC. ONLY
	6:00 - 11:30	5.50	DRLSUR	02	B	P		DRILL 1090'- 1600' (510', 93'/HR) WOB 20K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI-1400/1750, UP/DOWN/ROT= 63/61/62 FULL CIRC. CIRC RESERVE PIT
	11:30 - 12:00	0.50	DRLSUR	10	A	P		CLEAN HOLE AND WIRELINE SURVEY WITH SINGLE SHOT 1540' = 1 DEGREE INC ONLY.
	12:00 - 0:00	12.00	DRLSUR	02	B	P		DRILL 1600'-2560' (960', 80'/HR) WOB 20K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI-1500/1850, UP/DOWN/ROT= 75/68/72 FULL CIRC. CIRC RESERVE PIT
11/8/2009	0:00 - 3:30	3.50	DRLSUR	02	B	P		DRILL 2560'- 2800' (240',69/HR) TD 11/8/2009 03:30 WOB 22K RPM 45, MOTOR RPM 104, GPM 650, ON/OFF PSI- 1600/1900 UP/DOWN/ROT= 78/70/75 FULL CIRC. CIRC RESERVE PIT
	3:30 - 4:30	1.00	CSG	05	F	P		CIRC AND CONDITION HOLE, CLEAN HOLE W/ AIR AND POLY, CIRC W/ WATER W/ FULL CIRC. NO WATER ZONE AND NO LOSSES
	4:30 - 5:00	0.50	DRLSUR	10	A	P		WIRELINE SURVEY WITH SINGLE SHOT 2740' = 1 DEGREE. INC ONLY.
	5:00 - 8:30	3.50	CSG	06	D	P		LDDS, LD BHA.
	8:30 - 11:30	3.00	CSG	12	C	P		RUN 63 JTS 9-5/8", 36#, J-55, LTC THREAD CSG AND LAND @ 2774' KB, RAN BAFFLE TOP OF SHOE JT 2728' KB. FILLED CSG 1000' AND 2000'. AND RUN 200' OF 1" PIPE DOWN BACKSIDE.
	11:30 - 12:00	0.50	RDMO	01	E	P		RIG DOWN RIG AND MOVE OFF. HOLD SAFETY MEETING W/ CEMENTERS. RIG UP CEMENTING HEAD. RELEASE RIG 11/08/2009 12:00.

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12G	Spud Conductor: 11/5/2009	Spud Date: 11/6/2009
Project: UTAH-UINTAH	Site: NBU 920-12G	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 11/5/2009	End Date: 1/22/2011
Active Datum: RKB @4,717.00ft (above Mean Sea Level)	UWI: SW/NE/0/9/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	12:00 - 15:00	3.00	CSG	12	E	P		TEST LINES TO 2000' PSI, PUMP 100 BBLS OF H2O CATCH CIRC, PUMP 20 BBLS OF GEL WATER. PUMP 270 (183 BBLS) SX OF 11#, 3.82 YD, 23 GAL SX HI FILL LEAD CEMENT. PUMP 200 SX (41 BBLS) OF 15.8#, 1.15 YD, 5 GAL/SK TAIL CEMENT, DROP PLUG ON FLY AND DISPLACE W/ 208 BBLS OF 8.3# H2O, 30 BBLS OF LEAD TO SURFACE W/ 550 PSI OF LIFT @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. PUMP 100 SX (20.4 BBLS) OF 4% CALC 15.8# 1.15 YD, 5 GAL/SK CEMENT DOWN 1" 2 BBLS OF CEMENT TO SURFACE. CEMENT FELL BACK. WAIT 1 HR AND PUMP 125 SX (25.6 BBLS) OF SAME CEMENT. CEMENT TO SUFACE.
1/6/2011	4:00 - 18:00	14.00	MIRU	01	E	P		RDRT, WINTERIZING RIG,DE-ICE SUB, MOVED CAMPS ,PIPE TUBS,CHOKE HOUSE, GAS BUSTER, BHA, PIPE RACKS, MUD TRAILER, #2 PUMP ,APPROX 40% MOVED (SCOPED & LOWERED DERRICK @ 14:30)
	18:00 - 0:00	6.00	MIRU	01	E	P		MORNING TOUR FINISHING RIGGING DOWN & DE-ICEING RIG AND MATINANCE ,WAIT ON DAYLIGHT TO CONTINUE MOVING RIG
1/7/2011	0:00 - 7:00	7.00	MIRU	01	E	P		RDRT, DE-ICE RIG ,RIG MATINANCE
	7:00 - 18:00	11.00	MIRU	01	B	P		S/M W/ WEST ROC, J&C CRANE, LOAD OUT TRUCKS MOVE RIG 1/8 MILE, SET IN & RURT, 6 BED TRUCKS, 1 HAUL TRUCK ,2 FORKLIFTS RELEASED @ 15:00, CRANE STILL ON LOC (DID NOT GET DERRICK RAISED)
	18:00 - 0:00	6.00	MIRU	01	B	P		R/U ELECTRICAL, AIR, WATER, HYDRAULICS, STEAM,PITS, PUMPS & MISC
1/8/2011	0:00 - 6:00	6.00	MIRU	01	B	P		RURT, WATER, AIR, STEAM, (UNTHAW PART OF STEAM & WATER LINES), GROUND WORK
	6:00 - 10:00	4.00	MIRU	08	A	Z		HYDRAULIC PUMP FAILURE, REPLACE HYDRAULIC PUMP
	10:00 - 12:00	2.00	MIRU	01	B	P		SCOPE UP SUB, RAISE & SCOPE DERRICK
	12:00 - 0:00	12.00	MIRU	01	B	P		RIG UP FLOOR ,P/U KELLY, MISC, CRANE RELEASED @ 14:00
1/9/2011	0:00 - 7:30	7.50	MIRU	01	B	P		RIG UP PUMPS, PITS ,YELLOW DOG, FLARE LINES
	7:30 - 8:00	0.50	MIRU	07	A	P		RIG SERVICE
	8:00 - 12:00	4.00	MIRU	14	A	P		NIPPLE UP BOP
	12:00 - 16:30	4.50	MIRU	15	A	P		S/M W/ B C QUICK TEST, TEST FLOOR VALVES, UPPER & LOWER KELLY VALVES ,PIPE RAMS, BLIND RAMS ,INSIDE & OUT SIDE CHOKE, HCR KILL LINE VALVES, CHOKE MANIFOLD 250/5 MIN, 5000/ 10 MIN, ANNULAR 250/5 MIN, 2500/10 MIN, CASING TO 1500/30 MIN, R/D TESTER
	16:30 - 17:00	0.50	MIRU	14	B	P		INSTALL WEAR RING
	17:00 - 22:30	5.50	MIRU	06	A	P		S/M W/ KIMZEY R/U & P/U Q506F,INTEQ .20 RPG/1.5 BEND MOTOR, DIR TOOLS ORIENT, 11 DCS, 3 HWDP ,65 JTS DP TO 2591', R/D KIMZEY CUT & SLIP 65' DRILL LINE
1/10/2011	22:30 - 0:00	1.50	MIRU	09	A	P		KELLY UP ,INSTALL DRILLING RUBBER & DRIVE BUSHINGS, SECURE STACK, PRESPUD INSPECTION
	0:00 - 1:30	1.50	PRPSPD	23		P		RIG REPAIR (UNTHAW PUMP DISCHARGE LINE & STAND PIPE TO FLOOR), WORK ON PUMP CLUTCH AIR SUPPLY
	1:30 - 12:00	10.50	PRPSPD	08	B	Z		RIG SERVICE
	12:00 - 12:30	0.50	PRPSPD	07	A	P		DRILL CEMENT, F.E. & OPEN HOLE F/ 2712' TO 2814'
	12:30 - 13:30	1.00	PRPSPD	02	F	P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12G		Spud Conductor: 11/5/2009		Spud Date: 11/6/2009	
Project: UTAH-UINTAH		Site: NBU 920-12G		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 11/5/2009		End Date: 1/22/2011	
Active Datum: RKB @4,717.00ft (above Mean Sea Level)		UWI: SW/NE/0/9/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:30 - 0:00	10.50	PRPSPD	02	A	P		DRILL F/ 2814' TO 3517' (703' @ 66.9' HR) WOB 18-20, RPM 50-55, MMRPM 87, SPM 120, GPM 454, UP/SO/ROT 98-90-95, ON/OFF 1510-1180, DIFF 288-432 , WATER W/ GEL & POLY SWEEPS, SLIDE 3012-3027, 3202-3217, 3391-3404
1/11/2011	0:00 - 7:30	7.50	DRLPRO	02	B	P		DRILL F/ 3517' TO 4023' (506' @ 67.4' HR) WOB 18-20, RPM 55-60, MMRPM 87, SPM 120, GPM 454, UP/SO/ROT 100-87-95, ON/OFF 1510-1180 , DIFF 288-439, WT 9.6, VIS 36
	7:30 - 8:30	1.00	DRLPRO	08	A	Z		RIG REPAIR THAW OUT AIR LINES
	8:30 - 9:00	0.50	DRLPRO	02	B	P		DRILL F/ 4023' - 4056'
	9:00 - 9:30	0.50	DRLPRO	08	A	Z		REPAIR AIR LINE
	9:30 - 16:00	6.50	DRLPRO	02	B	P		DRILL F/ 4056' TO 4624' (568' @ 87.3' HR) WOB 20-24, RPM 55-60, MMRPM 87, SPM 120, GPM 454, UP/SO/ROT 115-100-110, ON/OFF 1685-1253, DIFF 243-427, WT 9.8, VIS 35
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL F/ 4624' TO 5000' (376' @ 50.1' HR) WOB 20-24, RPM 55-60, MMRPM 87, SPM 120, GPM 454, UP/SO/ROT 127-110-120, ON/OFF 1877-1402, DIFF 221-476, WT 10.1, VIS 38, SLIDE 4782-4797, 5067-5082
1/12/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 5000' TO 5447' (447' @ 74.5' HR) WOB 20-24, RPM 55-60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 127-110-120, ON/OFF 1880-1380, DIFF 240-440, WT 10.2 VIS 38
	6:00 - 15:30	9.50	DRLPRO	02	B	P		DRILL F/ 5447' TO 5954' (507' @ 53.3' HR) WOB 22-25, RPM 55-60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 135-120-129, ON/OFF 1830-1550, DIFF 270-430, WT 10.4 ,VIS 36 (HOLE STARTED SLOUGHING @ 5400')
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE , FUNCTION PIPE RAMS & ANNULAR
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILL F/ 5954' TO 6396' (442' @ 55.2' HR) WOB 22-25, RPM 55-60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 145/136/130, ON/OFF 2140-1783, DIFF 293-504, WT 10.7, VIS 35 (HOLE SLOUGHING A LITTLE)
1/13/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 6396' TO 6660' (264' @ 44' HR) WOB 22-25, RPM 55-60, MMRPM81, SPM 120, GPM 454, UP/SO/ROT 145-128-137, ON/OFF 2140-1710, DIFF 283-438, WT 10.8, VIS 38, PUMPING NUT SWEEPS
	6:00 - 16:00	10.00	DRLPRO	02	B	P		DRILL F/ 6660' TO 7186' (526' @ 52.6' HR) WOB 22-25, RPM 55-60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 152-140-149, ON/OFF 2220-1740, DIFF 260-438, WT 11.1, VIS 38, PUMPING NUT SWEEPS
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE , FUNCTION PIPE RAMS
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL F/ 7186' TO 7485, (299' @ 39.6' HR) WOB 22-25, RPM 55-60, MMRPM 91, SPM 120, GPM 454, UP/SO/ROT 165-145-152, ON/ OFF 2231-1894, DIFF 321-452, WT 11.4, VIS 38, PUMPING NUT SWEEPS
1/14/2011	0:00 - 5:30	5.50	DRLPRO	02	B	P		DRILL F/ 7485' TO 7629' (144' @ 26.1' HR) WOB 24-28, RPM 55-60, MMRPM 91, SPM 120, GPM 454 ,UP/SO/ROT 165-145-152, ON/OFF 2231-1894, DIFF321-452, WT 11.6, VIS 38
	5:30 - 6:00	0.50	DRLPRO	05	C	P		MIX & PUMP PILL, BLOW OUT KELLY
	6:00 - 11:30	5.50	DRLPRO	06	A	P		TOOH L/D MOTOR & BIT, TIGHT 7068', 6050' ,5207-4926' ,3949 20K TO 40K (FUNCTION PIPE RAMS)

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12G		Spud Conductor: 11/5/2009		Spud Date: 11/6/2009	
Project: UTAH-UINTAH		Site: NBU 920-12G		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 11/5/2009		End Date: 1/22/2011	
Active Datum: RKB @4,717.00ft (above Mean Sea Level)		UWI: SW/NE/09/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:30 - 14:30	3.00	DRLPRO	06	A	P		P/U SEC FX 65M BIT, INTEQ .16 RPG/1.5 BEND MOTOR, ORIENT DIR TOOLS, TIH, FILL PIPE @ SHOE
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:00 - 18:00	3.00	DRLPRO	06	A	P		TIH ,KELLY UP, WASH 30' TO BTM
	18:00 - 0:00	6.00	DRLPRO	02	B	P		DRILL F/ 7629' TO 7914' (285' @ 47.5' HR) WOB 19-22, RPM 50-60, MMRPM73, SPM 120, GPM 454 ,UP/SO/ROT 175-148-157, ON/OFF 2220-1896, WT 11.9, VIS 38
1/15/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 7914' TO 8103' (189' @ 31.5' HR) WOB 20-22, RPM 50-55, MMRPM73, SPM 120, GPM 454, UP/SO/ROT 175-148-157, ON/OFF 2220-1894, DIFF 240-400
	6:00 - 16:00	10.00	DRLPRO	02	B	P		DRILL F/ 8103' TO 8577' (474' @ 47.4' HR) WOB 20-24, RPM 50-60, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 170-150-165, ON/OFF 2300-2050, DIFF 140-339, WT 11.9, VIS 41
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE , FUNCTION PIPE RAMS & ANNULAR
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL F/ 8577' TO 8862' (285' @ 38' HR) WOB 18-23, RPM 50-55, MMRPM 73, SPM 120, GPM 454, UP/SO/ROT 180-150-172, ON /OFF 2355-2067, DIFF 432-80, WT12.2, VIS 44
1/16/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 8862' TO 9083' (221' @ 36.8' HR) WOB 20-24, RPM 50-55, MMRPM 73, SPM 115, GPM 435, UP/SO/ROT 180-150-172, ON/OFF 2355-2067, DIFF 398-214, WT 12.1' VIS 44
	6:00 - 16:30	10.50	DRLPRO	02	B	P		DRILL F/ 9083' TO 9462' (379' @ 36' HR) WOB 20-24, RPM 55-65, MMRPM67, SPM 110, GPM 416, UP/SO/ROT 185-170-178, ON/OFF 2300-2050, DIFF 406-96, WT 12.4, VIS 43, LCM 4%, (LOST 100 BBLs TO SEEPAGE)
	16:30 - 17:00	0.50	DRLPRO	07	A	P		RIG SERVICE , FUNCTION PIPE RAMS
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRILL F/ 9462' TO 9650' (188' @ 26.8' HR) WOB 20-24, RPM 50-55, MMRPM 67, SPM 110, GPM 454, UP/SO/ROT ,ON OFF 2188-1972, DIFF 338-80, WT 12.6, VIS 46, 3% LCM
1/17/2011	0:00 - 9:00	9.00	DRLPRO	02	B	P		DRILL F/ 9650' TO 9873' (223' @ 24.7' HR) WOB 22-27, RPM 50-65, MMRPM 67, SPM 110 ,GPM 416, UP/SO/ROT 195-153-182, ON/OFF 2210-1987, DIFF 232-80, WT 12.6, VIS 43, LCM 3%
	9:00 - 9:30	0.50	DRLPRO	07	A	P		RIG SERVICE, FUNCTION PIPE RAMS & ANNULAR
	9:30 - 11:00	1.50	DRLPRO	02	B	P		DRILL F/ 9873' TO 9904' (31' @ 20.6' HR) WT 11.6, VIS 43, LCM 3%
	11:00 - 11:30	0.50	DRLPRO	05	C	P		MIX & PUMP PILL, BLOW OUT KELLY
	11:30 - 17:00	5.50	DRLPRO	06	A	P		TOOH L/D DIR TOOLS, MOTOR, BIT, TIGHT 6298, 5180 TO 5178 WORK THROUGH, 4913 20K TO 50K
	17:00 - 19:30	2.50	DRLPRO	06	A	P		M/U NEW SEC DBS FX65M BIT & INTEQ .16 RPG/1.5 BEND MOTOR TIH TO SHOE, FILL PIPE CUT & SLIP DRILL LINE
	19:30 - 21:30	2.00	DRLPRO	09	A	P		TIH TAG @ 6592'
	21:30 - 23:00	1.50	DRLPRO	06	A	P		
	23:00 - 0:00	1.00	DRLPRO	03	A	P		KELLY UP WASH & REAM F/ 6592' TO 6642'
1/18/2011	0:00 - 1:30	1.50	DRLPRO	06	A	P		TIH
	1:30 - 2:30	1.00	DRLPRO	03	D	P		WASH 93' TO BTM (PRECAUTIONARY)
	2:30 - 13:00	10.50	DRLPRO	02	B	P		DRILL F/ 9904' TO 10206' (302' @ 28.7' HR) WOB 15-24, RPM 50-65, MMRPM 67, SPM 110, GPM 416, UP-SO-ROT 195-175-185, ON/OFF 2439-2169, DIFF 134-560, WT 12.8, VIS 40

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12G		Spud Conductor: 11/5/2009		Spud Date: 11/6/2009	
Project: UTAH-UINTAH		Site: NBU 920-12G		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 11/5/2009		End Date: 1/22/2011	
Active Datum: RKB @4,717.00ft (above Mean Sea Level)		UWI: SW/NE/O/9/S/20/E/12/O/0/26/PM/N/2,151.00/E/0/2,191.00/O/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/19/2011	13:00 - 14:00	1.00	DRLPRO	07	A	P		L/D 2 JOINTS ,RIG SERVICE CHANGE OUT SWIVEL PACKING, P/U 2 JOINTS
	14:00 - 18:30	4.50	DRLPRO	02	B	P		DRILL F/ 10206' TO 10271' (65' @ 14.4' HR) WOB 18-28, RPM 40-65, MMRPM 67, SPM 110, GPM 416, UP/SO/ROT 195-175-185, ON/OFF 2339-2169, DIFF 80-210, WT 12.8, VIS 40, 3% LCM
	18:30 - 20:00	1.50	DRLPRO	05	C	P		CIRC , MIX & PUMP PILL, BLOW OUT KELLY
	20:00 - 0:00	4.00	DRLPRO	06	A	P		TOOH @ 2288'
	0:00 - 2:30	2.50	DRLPRO	06	A	P		TOOH, L/D BIT ,TIGHT 6323, 5177, 25K-50K
	2:30 - 8:30	6.00	DRLPRO	06	A	P		P/U Q506F TIH , FILL PIPE @ SHOE & 6100'
	8:30 - 16:30	8.00	DRLPRO	02	B	P		DRILL F/ 10271'-10490' , 214'/8HR.,26.8'/HR 18-22K/WOB , RPM 40-65, MMRPM 67, SPM 110, GPM 416, UP/SO/ROT 195-175-185, ON/OFF 2505-2155, DIFF 200-400, WT 12.8, VIS 46, 3% LCM
1/20/2011	16:30 - 17:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRILL F/ 10490'-10673',183'/7HR.,26.1'/HR 18-24K/WOB , RPM 40-65, MMRPM 67, SPM 110, GPM 416, UP/SO/ROT 200-175-190, ON/OFF 2500-2175, DIFF 200-350, WT 13.0, VIS 46, 3% LCM
	0:00 - 8:30	8.50	DRLPRO	02	B	P		DRILL F/ 10673'-10880',207'/8.5HR.,24.4'/HR 18-24K/WOB , RPM 40-65, MMRPM 67, SPM 110, GPM 416, UP/SO/ROT 205-180-195, ON/OFF 2500-2175, DIFF 200-350, WT 13.0, VIS 46, 3% LCM
	8:30 - 10:30	2.00	DRLPRO	05	C	P		CIRC. AND COND. MUD F/ THE WIPER TRIP
	10:30 - 14:30	4.00	DRLPRO	06	E	P		TOH TO THE CASING SHOE
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:00 - 18:30	3.50	DRLPRO	06	E	P		TIH, FILL THE DP @ THE CSG. SHOE AND 6500'
1/21/2011	18:30 - 20:30	2.00	DRLPRO	05	C	P		CIRC. AND COND MUD F/ LOGS. MW/13.0, VIS/45, LCM/2% PUMP A 50 BBL. SLUG
	20:30 - 0:00	3.50	DRLPRO	06	B	P		TOH F/ LOGS
	0:00 - 3:00	3.00	DRLPRO	06	B	P		TOH F/ LOGS
	3:00 - 9:00	6.00	DRLPRO	11	D	P		S/M W/ BAKER ATLAS, RIGGED UP BAKER ATLAS AND RAN THE TRIPLE COMBO LOG. DRILLERS TD 10880', LOGGERS TD 10882' RD THE LOGGING TRUCK
	9:00 - 14:30	5.50	DRLPRO	06	A	P		TIH TO LDDP
	14:30 - 16:30	2.00	DRLPRO	05	C	P		CIRC. AND COND. MUD TO LDDP. LOST APP. 75 BBL. ON THE TRIP AND CIRCULATION. 13.1/MW, 46/VIS, 3%/LCM
	16:30 - 0:00	7.50	DRLPRO	06	A	P		LDDP
1/22/2011	0:00 - 2:00	2.00	DRLPRO	06	A	P		LDDP & BHA
	2:00 - 3:00	1.00	DRLPRO	14	B	P		PULL THE WEAR BUSHING
	3:00 - 4:00	1.00	DRLPRO	12	A	P		RU KIMSEY AND HOLD A SAFETY MEETING
	4:00 - 11:00	7.00	DRLPRO	12	C	P		RUN 31 JTS OF 4 1/2/P-110/11.6#, 226 JTS OF 4 1/2/I-80/11.6#, PLUS 2 MARKER JTS. LANDED @ 10863', SHOE/10861.5', FC/10817.7'. (MARKER JTS 8486.77'-8500.75, 5180.15'-5200.49')
	11:00 - 13:00	2.00	DRLPRO	05	D	P		CIRCULATE. RD KIMSEY AND RU BJ CEMENTERS
	13:00 - 16:00	3.00	DRLPRO	12	E	P		S/M W/ BJ SERVICES, PRESS. TEST/5500#, R/U & PUMP 40 BBL WATER, 713 SX 13.1# ,1.76 YLD LEAD ,1419 SX 14.3#, 1.31 YLD TAIL, DISPLACED W/ 168 BBLs CLAY TREAT WATER, FINAL LIFT 3595, BUMPED PLUG @ 3920,FLOATS HELD , 15 BBLs SPACER BACK,NO CEMENT TO SURFACE ,EST TOP OF TAIL @ 4709', EST TOC LEAD 600', PD 1/22/2011 15:20 ,R/D CEMENTERS
	16:00 - 20:00	4.00	DRLPRO	14	A	P		SET SLIPS W/ 117K, ND BOP, CLEAN PITS RIG RELEASED @ 1/22/2011 20:00

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12G		Spud Conductor: 11/5/2009		Spud Date: 11/6/2009	
Project: UTAH-UINTAH		Site: NBU 920-12G		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 11/5/2009		End Date: 1/22/2011	
Active Datum: RKB @4,717.00ft (above Mean Sea Level)		UWI: SW/NE/0/9/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	20:00 - 20:00	0.00	DRLPRO					<p>CONDUCTOR CASING: Cond. Depth set: Cement sx used:</p> <p>SPUD DATE/TIME: 11/6/2009 17:00</p> <p>SURFACE HOLE: Surface From depth: 18 Surface To depth: 2,814 Total SURFACE hours: 28.00 Surface Casing size: 8 5/8 # of casing joints ran: 63 Casing set MD: 2,782.0 # sx of cement: 270/LEAD 200/TAIL 225/TOP OUT Cement blend (ppg:) 11.0/LEAD 15.8/TAIL 15.8/TOP OUT Cement yield (ft3/sk): 3.82/LEAD 1.15/TAIL 1.15/TOP OUT # of bbls to surface: Describe cement issues: Describe hole issues:</p> <p>PRODUCTION: Rig Move/Skid start date/time: 1/6/2011 7:00 Rig Move/Skid finish date/time: 1/7/2011 15:00 Total MOVE hours: 32.0 Prod Rig Spud date/time: 1/10/2011 12:30 Rig Release date/time: 1/22/2011 22:00 Total SPUD to RR hours:297.5 Planned depth MD 10,877 Planned depth TVD 10,877 Actual MD: 10,880 Actual TVD: 10,876 Open Wells \$: \$1,101,125 AFE \$: \$1,078,857 Open wells \$/ft: \$101.21</p> <p>PRODUCTION HOLE: Prod. From depth: 2,814 Prod. To depth: 10,880 Total PROD hours: 187 Log Depth: 10882 Float Collar Top Depth: 10817.7 Production Casing size: 4 1/2 # of casing joints ran: 259 Casing set MD: 10,863.0 Stage 1 # sx of cement: 713 Cement density (ppg:) 13 Cement yield (ft3/sk): 1.76 Stage 2 # sx of cement: 1,419 Cement density (ppg:) 14.3 Cement yield (ft3/sk): 1.31 Top Out Cmt # sx of cement: Cement density (ppg): Cement yield (ft3/sk): Est. TOC (Lead & Tail) or 2 Stage : LEAD/600' TAIL 4709' Describe cement issues: Describe hole issues:</p>

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12G	Spud Conductor: 11/5/2009	Spud Date: 11/6/2009
Project: UTAH-UINTAH	Site: NBU 920-12G	Rig Name No: SWABBCO 8/8
Event: COMPLETION	Start Date: 3/21/2011	End Date: 4/15/2011
Active Datum: RKB @4,717.00ft (above Mean Sea Level)	UWI: SW/NE/0/9/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/8/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, RIGGING DWN & MOVEING EQUIP
	7:30 - 13:00	5.50	COMP	30	A	P		RIG DWN ON CIGE 271, MIRU, ND WH NU BOPS, RU FLOOR & TBG EQUIP.
	13:00 - 15:00	2.00	COMP	31	I	P		TALLY & PU 37/8 BIT & 141 JTS 23/8 L-80 OFF FLOAT. EOT @ 4460' SWI SDFWE.
4/11/2011	7:00 - 7:30	0.50	COMP	48		P		HSM,
	7:30 - 10:30	3.00	COMP	31	I	P		SICP 0 PSI, PU REM 201 JTS 23/8 L-80 OFF FLOAT TOTAL 342 JTS IN, TAG UP @ 10,794'.
	10:30 - 12:30	2.00	COMP	44	D	P		RU SWIVEL, C/O F/ 10794' TO 10,818' WENT TROUGH FLOAT COLLAR @ 10,801 TBG S.L.M, CIRC CLN, RD SWIVEL.
4/12/2011	12:30 - 17:00	4.50	COMP	31	I	P		L/D 155 JTS 23/8 L-80, POOH W/ 188 JTS IN DERICK. SWI SDFN.
	7:00 - 7:30	0.50	COMP	48		P		HSM, ND BOPS NU FRAC VALVE.
	7:30 - 15:00	7.50	COMP	33	C	P		SICP 0 PSI, ND BOPS NU FRAC VALVES, RU B&C FILL CSG & SURFACE, TEST 41/2 & FRAC VALVES TO 500 PSI FOR 15 MIN, 2500 PSI FOR 15 MIN, 7,000 PSI FOR 15 MIN, NO COMUNICATION UP SURFACE.. RD B&C PREP TO FIRST SHOOT IN AM. SDFN
4/13/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ WIRE LINE & FRAC CREW.
	7:30 - 9:30	2.00	COMP	36	E	P		MIRU CUTTERS & FRAC TECH. (STG#1) RIH W/ 31/8 EXP GNS, 23 GRM, .36" HLS, 90 & 120 DEG PHASING PERF 10,792'-10,794' 4 SPF 8 HLS, 10,760'-10,762' 4 SPF 8 HLS, 10,734'-10,736' 3 SPF 9 HLS, 22 HOLES.POOH PRIME UP & TEST PUMPS & LINES TO 8,000# PSI, HOLD SAFTEY MEETING. WHP 462 PSI, BRK 6232 PSI @ 6. BPM, ISIP 3928 PSI, FG .80. PUMP 100 BBLS @ 36.2 BPM @ 5900 PSI = 100% PERFS OPEN. MP 6665 PSI, MR 50. BPM, AP 6150 PSI, AR 44. BPM, ISIP 3738 PSI, FG .78. NPI -190 PSI, PMPD 901 BBLS SW & 18,114 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 23,114 LBS.
	9:30 - 11:03	1.55	COMP	36	E	P		(STG #2) PU 41/2" HAL CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES. 120 & 90 DEG PHASING. SET CBP @ 10,581' PERF 10,549'-10,551' 4 SPF 8 HLS, 10,505'-10,506' 4 SPF 4 HLS, 10,444'-10,447' 3 SPF 9 HLS. 21 TOTAL HOLES WHP 350 PSI, BRK 4550 PSI @ 5.8 BPM, ISIP 3205 PSI, FG .74. PUMP 100 BBLS @ 40.2 BPM @ 6404 PSI = 90% PERFS OPEN. MP 6493 PSI, MR 51.2 BPM, AP 6000 PSI, AR 46.0 BPM, ISIP 3365 PSI, FG .75. NPI 160 PSI, PMPD 734 BBLS SW & 18,808 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 23,808 LBS.

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12G	Spud Conductor: 11/5/2009	Spud Date: 11/6/2009
Project: UTAH-UINTAH	Site: NBU 920-12G	Rig Name No: SWABBCO 8/8
Event: COMPLETION	Start Date: 3/21/2011	End Date: 4/15/2011
Active Datum: RKB @4,717.00ft (above Mean Sea Level)	UWI: SW/NE/0/9/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:03 - 12:41	1.63	COMP	36	E	P		(STG #3) PU 41/2" HAL CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES. 120 & 90 DEG PHASING. SET CBP @ 10,263' PERF 10,231'-10,233' 3 SPF 6 HLS, 10,172'-10,173' 4 SPF 4 HLS, 10,064'-10,066' 3 SPF 6 HLS, 9998'-10,000 3 SPF 6 HLS. 22 TOTAL HOLES WHP 498 PSI, BRK 6132 PSI @ 4.1 BPM, ISIP 3229 PSI, FG .75. PUMP 100 BBLS @ 40.5 BPM @ 6605 PSI = 82% PERFS OPEN. MP 6919 PSI, MR 49.2 BPM, AP 6175 PSI, AR 45. BPM, ISIP 3436 PSI, FG ,77. NPI 207 PSI, PMPD 814 BBLS SW & 22,040 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 27,040 LBS.
	12:41 - 14:10	1.48	COMP	36	E	P		(STG # 4) PU 41/2" HAL CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES. 120 & 90 DEG PHASING. SET CBP @ 9035' PERF 9004'-9005' 4 SPF 4 HLS, 8886'-8887' 4 SPF 4 HLS, 8830'-8832' 3 SPF 6 HLS, 8776'-8777' 4 SPF 4 HLS, 8762'-8763' 4 SPF 4 HLS. 22 TOTAL HOLES WHP 427 PSI, BRK 3827 PSI @ 5.4 BPM, ISIP 2251 PSI, FG .69. PUMP 100 BBLS @ 49.2 BPM @ 5865 PSI = 100% PERFS OPEN. MP 5930 PSI, MR 51.1 BPM, AP 5150 PSI, AR 49.7 BPM, ISIP 3015 PSI, FG ,77. NPI 764 PSI, PMPD 1346 BBLS SW & 48,052 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 53,052 LBS.
	14:10 - 15:32	1.37	COMP	36	E	P		(STG #5) PU 41/2" HAL CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES. 120 & 90 DEG PHASING. SET CBP @ 8677' PERF 8645'-8647' 4 SPF 8 HLS, 8534'-8536' 4 SPF 8 HLS, 8362'-8364' 3 SPF 6 HLS. 22 TOTAL HOLES WHP 249 PSI, BRK 3987 PSI @ 5.5 BPM, ISIP 2524 PSI, FG .73. PUMP 100 BBLS @ 39.3 BPM @ 5841 PSI = 73% PERFS OPEN. MP 6831 PSI, MR 50.4 BPM, AP 5500 PSI, AR 47. BPM, ISIP 2992 PSI, FG ,78. NPI 468 PSI, PMPD 975 BBLS SW & 30,944 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 35,944 LBS.
	15:32 - 17:00	1.47	COMP	34	H	P		(STG # 6) PU 41/2" HAL CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES. 120 & 90 DEG PHASING. SET CBP @ 7924' PERF 7891'-7894' 4 SPF 12 HLS, 7732'-7735' 3 SPF 9 HLS. 21 TOTAL HOLES POOH SWI PREP TO FRAC IN AM.
4/14/2011	7:00 - 7:14	0.23	COMP	36	E	P		SAFETY MEETING W/ FRAC TECH. (STG #6) WHP 1054 PSI, BRK 2216 PSI @ 6 BPM, ISIP 1920 PSI, FG .68. PUMP 100 BBLS @ 51.3 BPM @ 5296 PSI = 100% PERFS OPEN. MP 6576 PSI, MR 52.2 BPM, AP 4750 PSI, AR 49.4 BPM, ISIP 2376 PSI, FG ,76. NPI 456 PSI, PMPD 691 BBLS SW & 22,088 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 27,088 LBS.

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12G	Spud Conductor: 11/5/2009	Spud Date: 11/6/2009
Project: UTAH-UINTAH	Site: NBU 920-12G	Rig Name No: SWABBCO 8/8
Event: COMPLETION	Start Date: 3/21/2011	End Date: 4/15/2011
Active Datum: RKB @4,717.00ft (above Mean Sea Level)		UWI: SW/NE/0/9/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:14 - 8:40	1.43	COMP	36	E	P		(STG # 7) PU 41/2" HAL CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES. 120 DEG PHASING. SET CBP @ 7578' PERF 7546'-7548' 3 SPF 6 HLS, 7394'-7397' 3 SPF 9 HLS, 7332'-7334' 3 SPF 6 HLS. 21 TOTAL HOLES WHP 379 PSI, BRK 2393 PSI @ 6.1 BPM, ISIP 1481 PSI, FG .63. PUMP 100 BBLS @ 51.1 BPM @ 5296 PSI = 100% PERFS OPEN. MP 5361 PSI, MR 52.3 BPM, AP 4500 PSI, AR 50 BPM, ISIP 2050 PSI, FG .71. NPI 569 PSI, PMPD 1160 BBLS SW & 47,205 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 52,205 LBS.
	8:40 - 9:50	1.17	COMP	36	E	P		(STG # 8) PU 41/2" HAL CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES. 90 DEG PHASING. SET CBP @ 6980' PERF 6938'-6940' 4 SPF 8 HLS, 6736'-6738' 4 SPF 8 HLS, 6688'-6690' 4 SPF 8 HLS. 24 TOTAL HOLES WHP 350 PSI, BRK 2944 PSI @ 6 BPM, ISIP 1143 PSI, FG .60. PUMP 100 BBLS @ 49.7 BPM @ 3436 PSI = 100% PERFS OPEN. MP 4058 PSI, MR 50.4 BPM, AP 3000 PSI, AR 49.3 BPM, ISIP 1404 PSI, FG .64. NPI 261 PSI, PMPD 656 BBLS SW & 21,496 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 26,496 LBS.
	9:50 - 11:10	1.33	COMP	36	E	P		(STG # 9) PU 41/2" HAL CBP & 31/8 EXP GNS, 23 GRM, .36" HOLES. 90 & 120 DEG PHASING. SET CBP @ 6315' PERF 6282'-6285' 4 SPF 12 HLS, 6054'-6057' 3 SPF 9 HLS. 21 TOTAL HOLES WHP 379 PSI, BRK 2678 PSI @ 6.1 BPM, ISIP 1730 PSI, FG .71. PUMP 100 BBLS @ 49.7 BPM @ 3614 PSI = 100% PERFS OPEN. MP 3922 PSI, MR 51.7 BPM, AP 3250 PSI, AR 49.8 BPM, ISIP 1950 PSI, FG .75 NPI 221 PSI, PMPD 1556 BBLS SW & 69,010 LBS OF 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 74,010 LBS. 339, 000 LBS SAND HAULED OUT 336,348 JOB CALLED FOR 342,757 PUMPED OVER BY 3,757 LBS .00111% OFF 342,757 LBS SAND PUMPED 8833 BBLS WTR PUMPED 1040 GALS SCALE INH 192 GALS BIOCIDES (KILL PLUG) RIH SET 41/2 CBP @ 6010' POOH RD WL & FRAC CREW.
	11:10 - 12:30	1.33	COMP	34	I	P		ND FV, NU BOPS, RU FLOOR & TBG EQUIP. PU RIH W/ POBS & TBG TO KILL PLUG @ 6010' RU DRLG EQUIP, PREP TO D/O IN AM. SWI SDFN
	12:30 - 17:00	4.50	COMP	31	I	P		HSM, LANDING TBG UNDER PSI.
4/15/2011	7:00 - 7:30	0.50	COMP	48		P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12G	Spud Conductor: 11/5/2009	Spud Date: 11/6/2009
Project: UTAH-UINTAH	Site: NBU 920-12G	Rig Name No: SWABBCO 8/8
Event: COMPLETION	Start Date: 3/21/2011	End Date: 4/15/2011
Active Datum: RKB @4,717.00ft (above Mean Sea Level)		UWI: SW/NE/09/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 17:00	9.50	COMP	44	C	P		<p>BROKE CIRC CONVENTIONAL TEST BOPS TO 3,000# RIH.</p> <p>C/O 15' SAND TAG 1ST PLUG @ 6010' DRL PLG IN 5 MIN 350# PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 2ND PLUG @ 6315' DRL PLG IN 8 MIN 600# PSI INCREASE RIH</p> <p>C/O 30' SAND TAG 3RD PLUG @ 6980' DRL PLG IN 7 MIN 500# PSI INCREASE RIH</p> <p>C/O 90' SAND TAG 4TH PLUG @ 7578' DRL PLG IN 8 MIN 600# PSI INCREASE RIH</p> <p>C/O 45' SAND TAG 5TH PLUG @ 7924' DRL PLG IN 8 MIN 900# PSI INCREASE RIH</p> <p>C/O 45' SAND TAG 6TH PLUG @ 8682' DRL PLG IN 5 MIN 800# PSI INCREASE RIH</p> <p>C/O 30' SAND TAG 7TH PLUG @ 9035' DRL PLG IN 4 MIN 700# PSI INCREASE. RIH</p> <p>C/O 60' SAND TAG 8TH PLUG @ 10,263' DRL PLG IN 4 MIN 800# PSI INCREASE. RIH</p> <p>C/O 15' SAND TAG 9TH PLUG @ 10,581' DRL PLG IN 4 MIN 600# PSI INCREASE. RIH</p> <p>C/O TO @ 10.818' CIRC CLEAN, RACK OUT SWIVEL. L/D 13 JTS, LAND TBG ON 329 JTS 23/8 L-80. RD FLOOR, ND BOPS NU WH. PUMP OFF BIT, LET WELL SET FOR 30 MIN FOR BIT TO FALL. TURN WELL OVER TO FB CREW. RDMOL, MIRU ON NBU 921-12I SDFWE. SICP = 1800 FTP = 100</p> <p>KB = 13' HANGER 41/16 = .83' 329 JTS 23/8 L-80 = 10,391.51' (SURFAC VALVE OPEN W/ POP OFF ASSEMBLY) 1.875 X/N & POBS = 2.20' EOT @ 10,407.54'</p> <p>TWTR = 9113 BBLs TWR = 1100 BBLs TWLTR = 8013 BBLs</p> <p>350 JTS HAULED OUT 329 LANDED 21 TO RETURN TO BUNNING WELL TURNED TO SALES @ 1500 HR ON 4/15/11 - 700 MCFD, 2280 BWPDP, FTP 1650#, CP 1800#, CK 20/64"</p>
	15:00 - 15:00	0.00	PROD	50				
4/16/2011	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 1850#, TP 1950#, 20/64" CK, 49 BWPDP, med SAND, - GAS TTL BBLs RECOVERED: 2102 BBLs LEFT TO RECOVER: 7011</p>
4/17/2011	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 2250#, TP 1925#, 20/64" CK, 35 BWPDP, MED SAND, 1881 GAS TTL BBLs RECOVERED: 3081 BBLs LEFT TO RECOVER: 6032</p>

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12G	Spud Conductor: 11/5/2009	Spud Date: 11/6/2009
Project: UTAH-UINTAH	Site: NBU 920-12G	Rig Name No: SWABBCO 8/8
Event: COMPLETION	Start Date: 3/21/2011	End Date: 4/15/2011
Active Datum: RKB @4,717.00ft (above Mean Sea Level)	UWI: SW/NE/09/S/20/E/12/0/0/26/PM/N/2,151.00/E/0/2,191.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/18/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 1650#, 20/64" CK, 27 BWPH, MED SAND, 1968 GAS TTL BBLS RECOVERED: 3819 BBLS LEFT TO RECOVER: 5294
4/19/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 2275#, TP 1500#, 20/64" CK, 22 BWPH, LIGHT SAND, 1920 GAS TTL BBLS RECOVERED: 4403 BBLS LEFT TO RECOVER: 4710