

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL

2. TYPE OF WORK DRILL NEW WELL <input checked="" type="radio"/> REENTER P&A WELL <input type="radio"/> DEEPEN WELL <input type="radio"/>		1. WELL NAME and NUMBER NBU 920-12B	
4. TYPE OF WELL Gas Well <input type="radio"/> Coalbed Methane Well: NO <input type="radio"/>		3. FIELD OR WILDCAT NATURAL BUTTES	
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES	
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		7. OPERATOR PHONE 720 929-6587	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0144868-B		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		12. SURFACE OWNERSHIP FEDERAL <input type="radio"/> INDIAN <input checked="" type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>	
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (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="radio"/> (Submit Commingling Application) NO <input type="radio"/>	
20. LOCATION OF WELL		19. SLANT VERTICAL <input checked="" type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input type="radio"/>	
LOCATION AT SURFACE	FOOTAGES	QTR-QTR	SECTION
Top of Uppermost Producing Zone	TOWNSHIP	RANGE	MERIDIAN
At Total Depth	627 FNL 1964 FEL	NWNE	12
	627 FNL 1964 FEL	NWNE	12
	627 FNL 1964 FEL	NWNE	12
21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 627	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 4694	28. BOND NUMBER WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496	

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input 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 43047501740000	APPROVAL  Permit Manager	

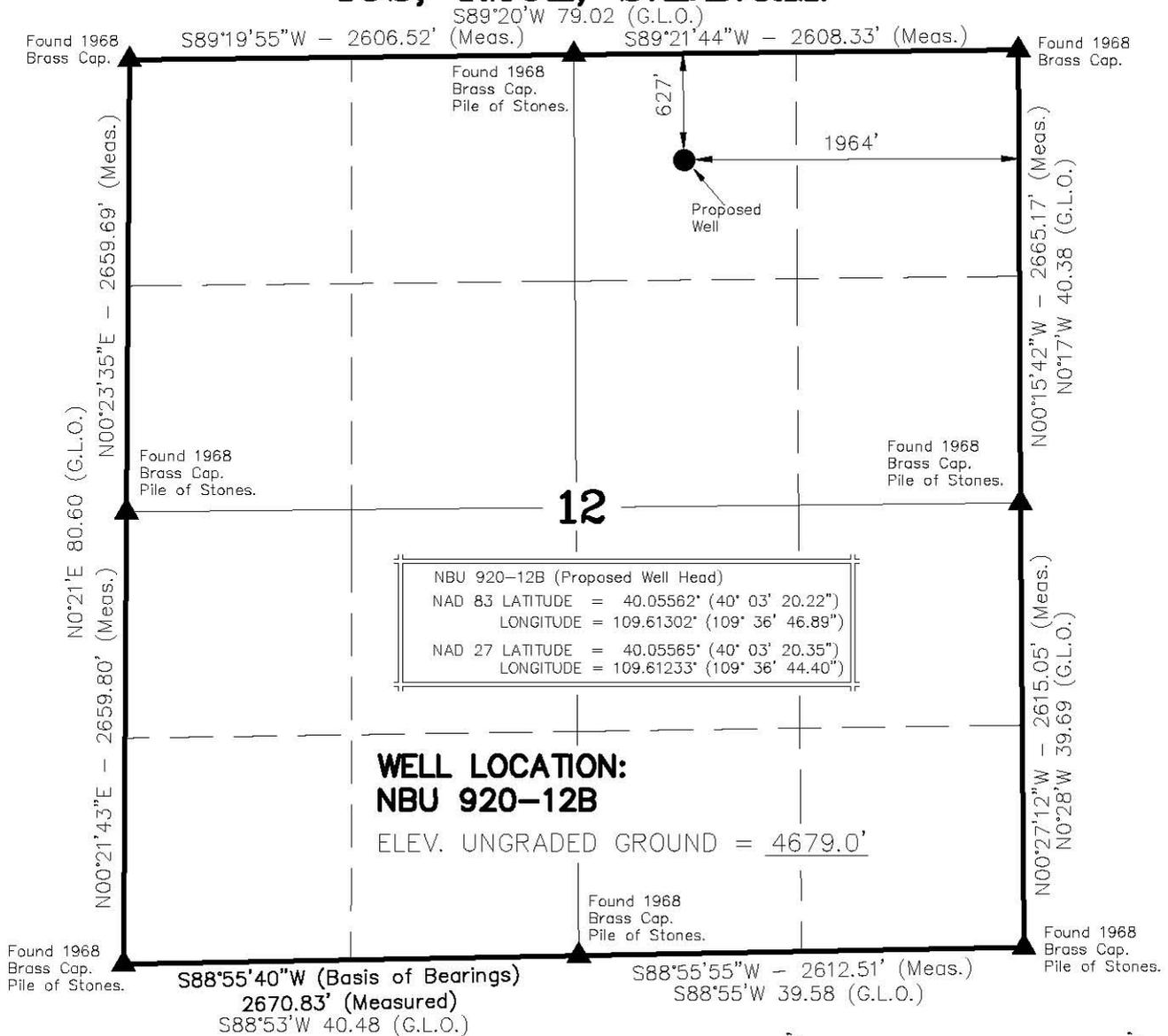
Proposed Hole, Casing, and Cement

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	10800		
Pipe	Grade	Length	Weight			
	Grade I-80 LT&C	10800	11.6			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	10800			
		Cement Description	Class	Sacks	Yield	Weight
			Premium Lite High Strength	530	3.38	12.5
			Pozzuolanic Cement	1670	1.31	14.3

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

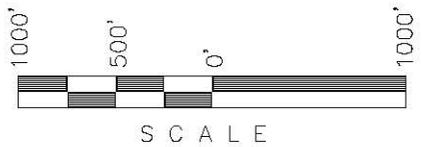


NBU 920-12B (Proposed Well Head)	
NAD 83 LATITUDE	= 40.05562° (40° 03' 20.22")
LONGITUDE	= 109.61302° (109° 36' 46.89")
NAD 27 LATITUDE	= 40.05565° (40° 03' 20.35")
LONGITUDE	= 109.61233° (109° 36' 44.40")

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'.

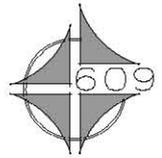
Kerr-McGee
Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF LAND 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

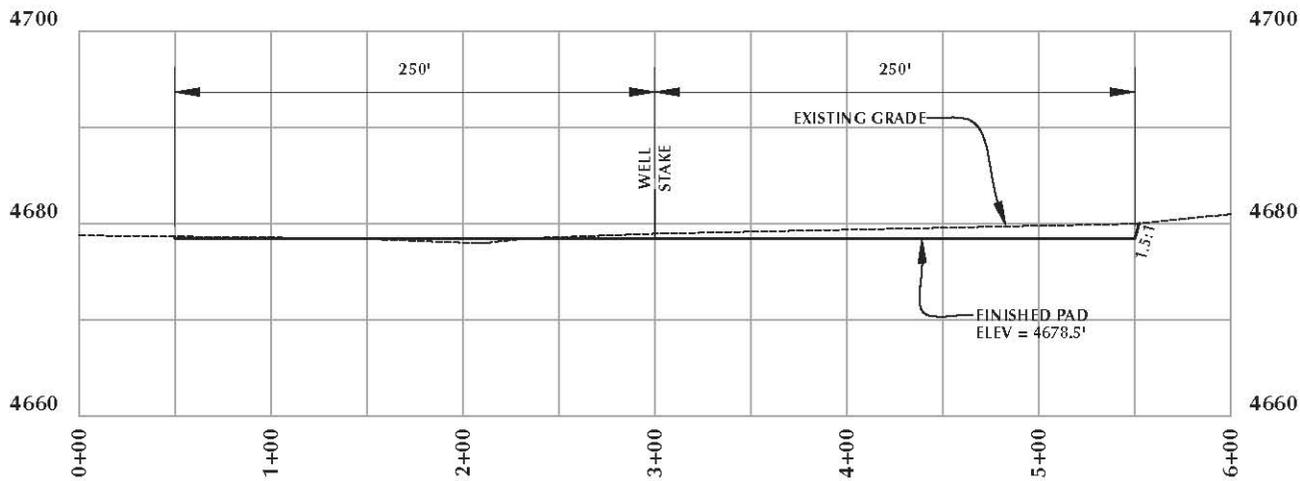


CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

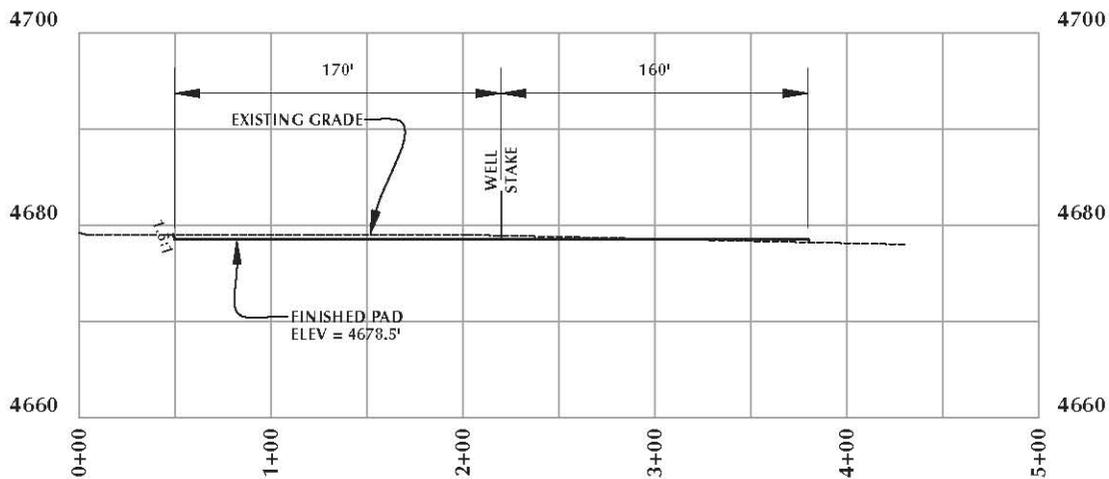
NBU 920-12B
WELL PLAT
627' FNL, 1964' FEL
NW ¼ NE ¼ OF SECTION 12, T9S, R20E,
S.L.B.&M. Uintah County, Utah.

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

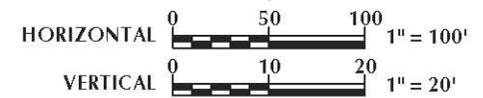
DATE SURVEYED: 06-23-08	SURVEYED BY: M.S.B.	SHEET 1 OF 9
DATE DRAWN: 07-07-08	DRAWN BY: B.R.B.	
SCALE: 1" = 1000'	Date Last Revised:	



CROSS SECTION A-A'



CROSS SECTION B-B'



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

**NBU 920-12B
WELL PAD - CROSS SECTIONS
627' FNL, 1964' FEL
NW1/4NE1/4, 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:
REVISID:	BY DATE	3 3 OF 9

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



PHOTO VIEW: TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

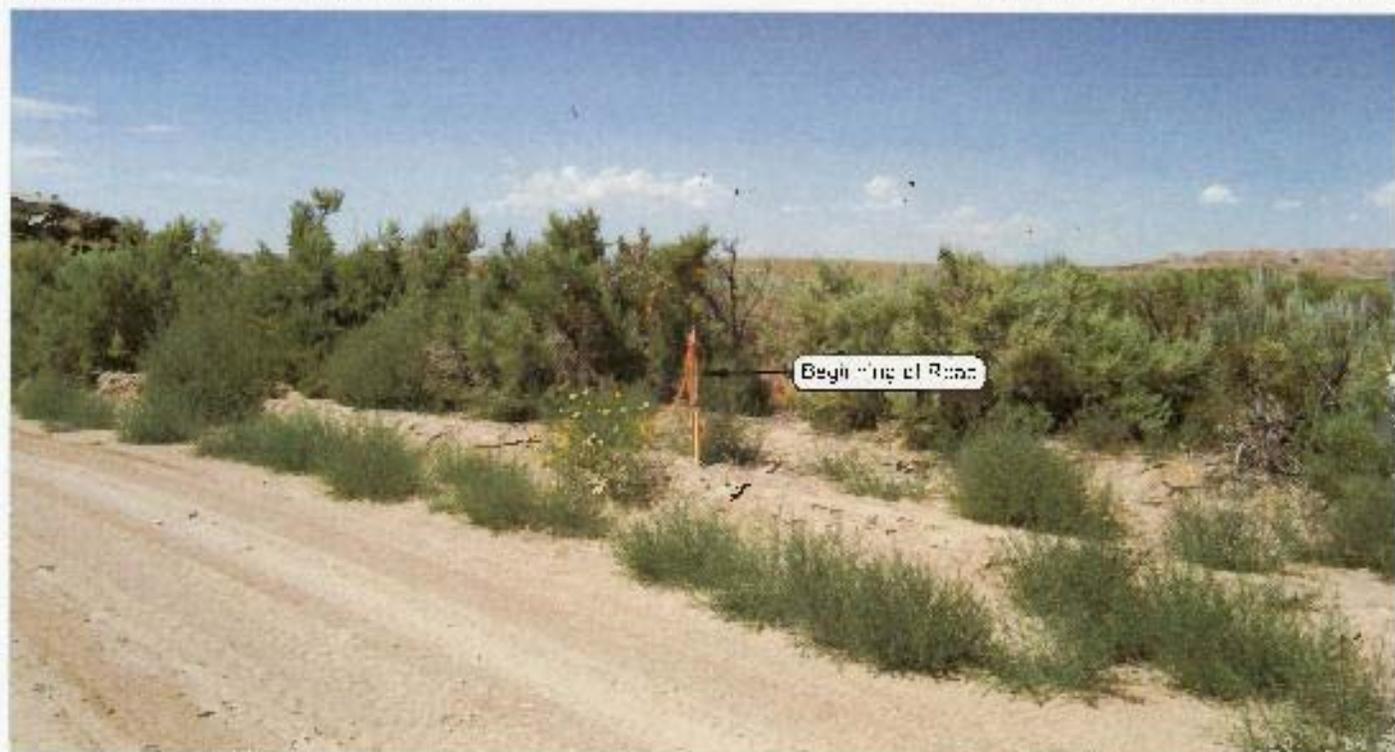


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: SOUTHWESTERLY

Kerr-McGee
Oil & Gas Onshore, LP
1000 18th Street Denver, Colorado 80202

NRU 920-12B
827' FNL, 1964 FFI
NW $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 12, T8S, R20E.
S.L.B.&M. UTAH COUNTY, UTAH.



CONSULTING, LLC
373 Colfax Avenue
Sherida WY 82801
Phone: 307-674-0029
Fax: 307-674-0152

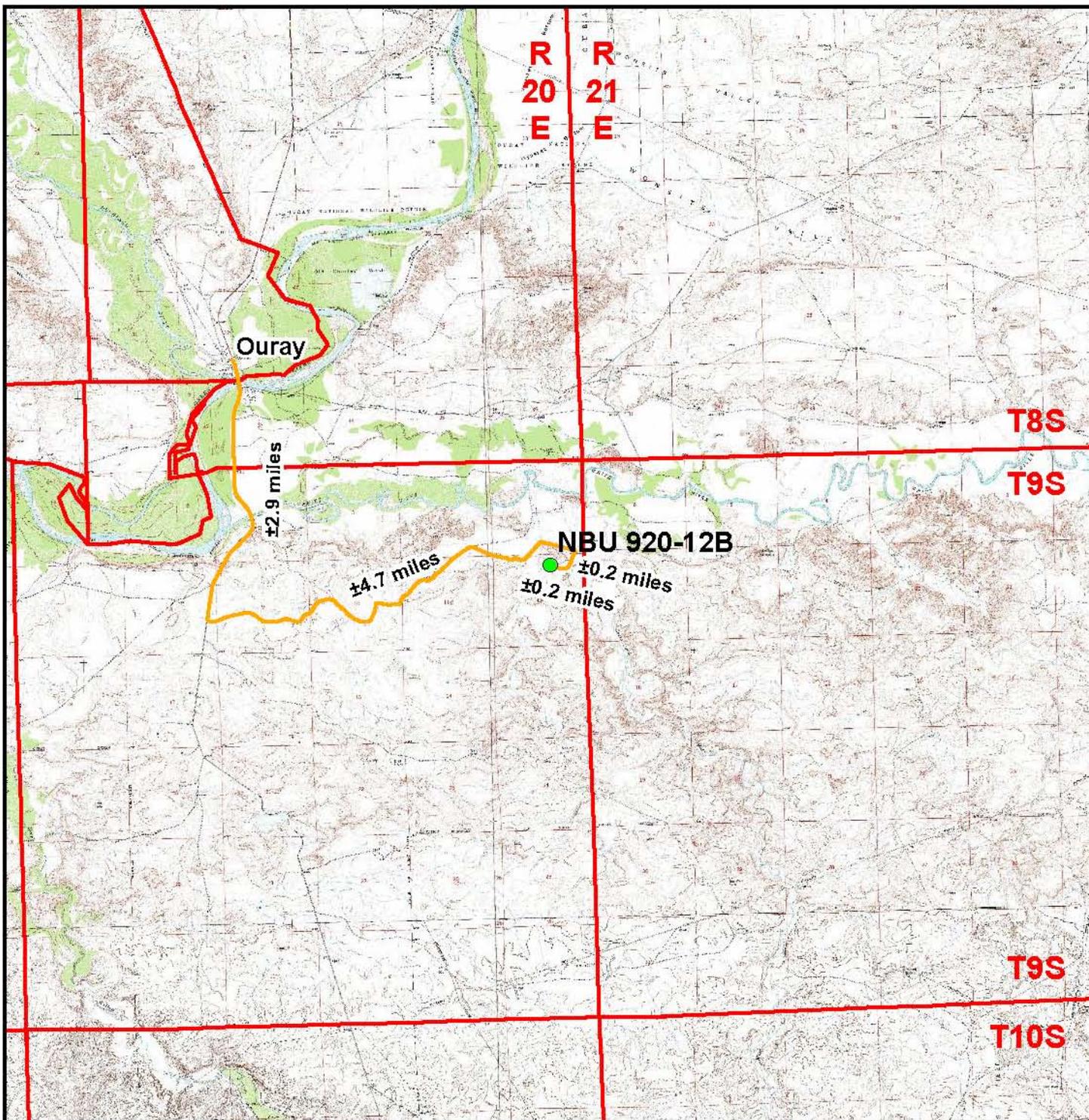
LOCATION PHOTOS

DATE TAKEN: 7-20-08
DATE DRAWN: 7-29-08

TAKEN BY: V.S.R. DRAWN BY: J.N.S. REVISED:

Timberline (435) 785-1365
Engineering & Land Surveying, Inc.
35 WEST 100 NORTH WERVA, UT 84456

SHEET
4
OF 8



Legend

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

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

NBU 920-12B
Topo A
 627' FNL, 1964' FEL
 NW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah

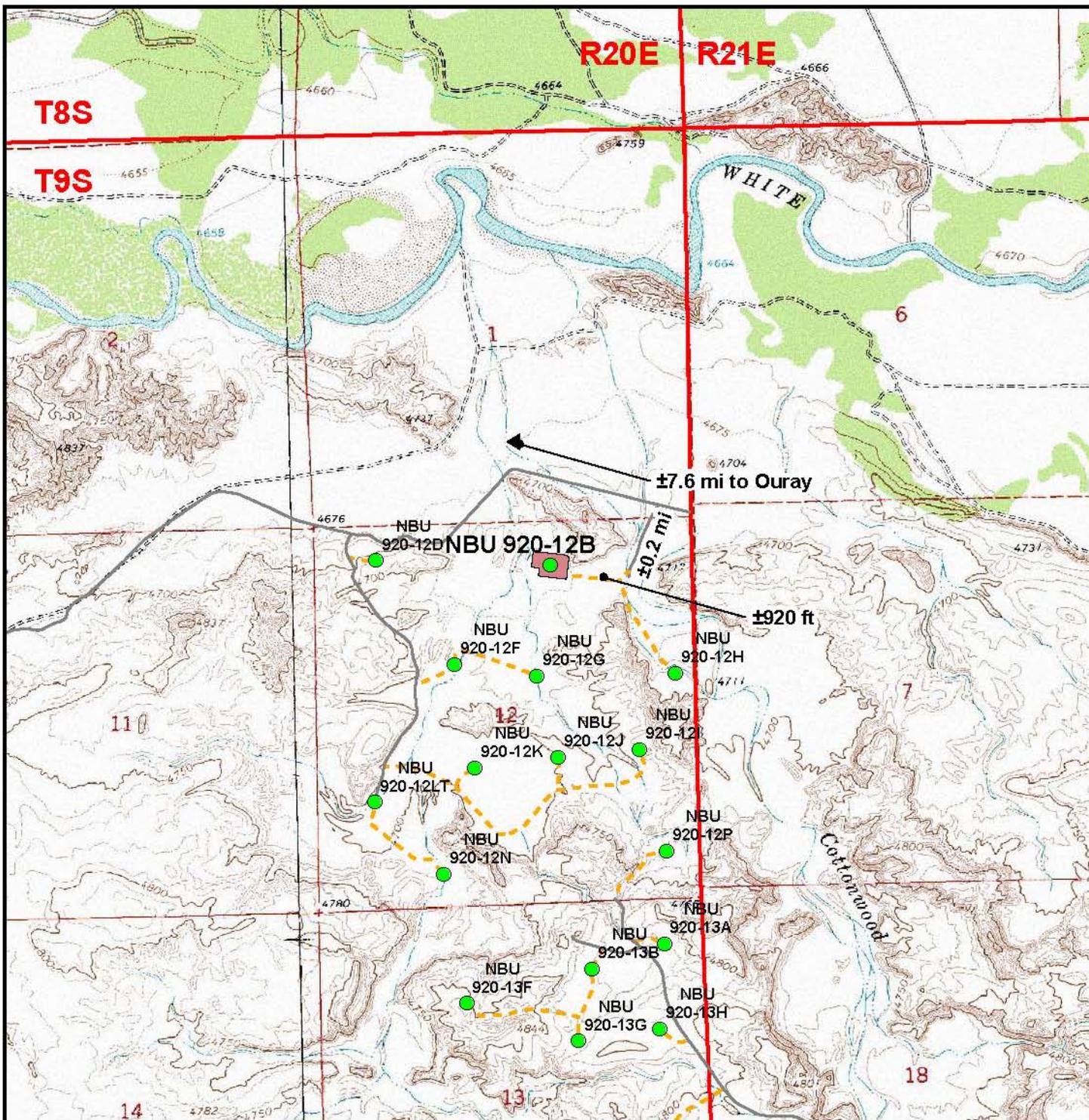


609 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



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

Sheet No:
5
5 of 9



Legend

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

Total Proposed Road Length = ±920 ft

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

NBU 920-12B
 Topo B
 627' FNL, 1964' FEL
 NW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah

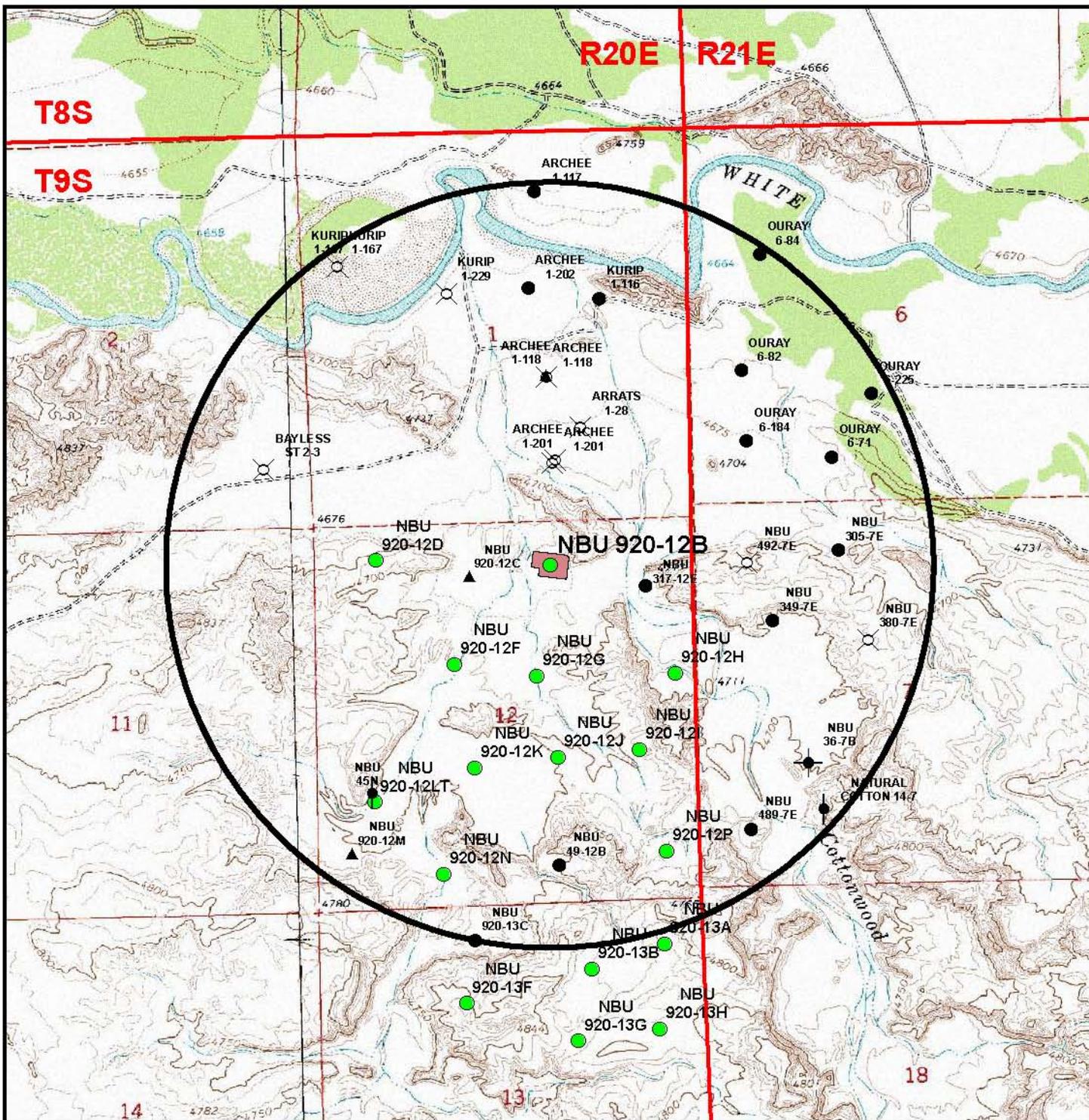


CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central
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 complete)
- ⊗ Location Abandoned
- ⊖ Temporarily-Abandoned
- ⊕ Plugged and Abandoned
- ⊙ Shut-In

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

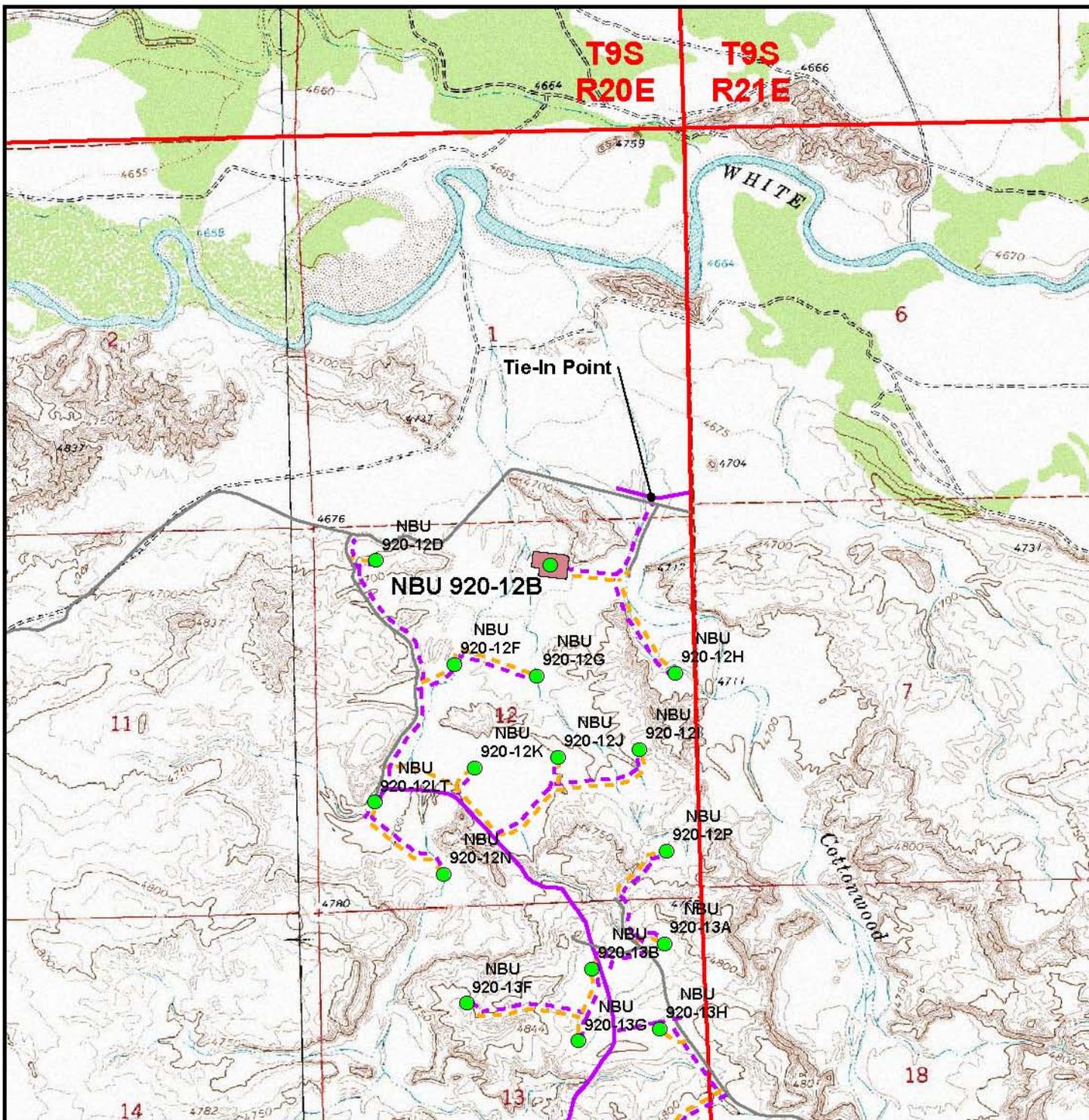
NBU 920-12B
 Topo C
 627' FNL, 1964' FEL
 NW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah

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: 7
Drawn: JELo	Date: 14 Aug 2008	7 of 9
Revised:	Date:	



Legend

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

Total Proposed Pipeline Length: ±2,154ft

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

NBU 920-12B
Topo D
627' FNL, 1964' FEL
NW¼ 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
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 920-12B
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 4.7 MILES TO AN EXISTING ROAD TO THE SOUTHWEST. EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 0.2 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 920 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 38.7 MILES IN A SOUTHERLY DIRECTION.

**NBU 920-12B
NWNE 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	1841'
Bird's Nest	2112'
Mahogany	2642'
Wasatch	5321'
Mesaverde	8570'
MVU2	9590'
MVL1	10080'
TD	10800'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1841'
	Bird's Nest	2112'
	Mahogany	2642'
Gas	Wasatch	5321'
Gas	Mesaverde	8570'
Gas	MVU2	9590'
Gas	MVL1	10080'
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 10800' 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	453000
SURFACE	9-5/8"	0 to 2,800'	36.00	J-55	LTC	0.78	1.54	5.13
						7760	6350	201000
PRODUCTION	4-1/2"	0 to 10900'	11.60	I-80	LTC	1.68	0.90	1.84

- 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 Option 1	LEAD	500	Premium cmt + 2% CaCl + 25 pps floccle	215	60%	15.60	1.18	
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + 25 pps floccle	100		15.60	1.18	
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
SURFACE Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized							
	LEAD	2000	Prem cmt + 18% Gel + 10 pps gilsonite + 25 pps floccle + 3% salt BWOC	230	35%	11.00	3.82	
	TAIL	500	Premium cmt + 2% CaCl + 25 pps floccle	180	35%	15.60	1.18	
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
PRODUCTION	LEAD	4,820'	Premium Lite II + 3% KCl + 0.25 pps cellotake + 5 pps gilsonite + 10% gel + 0.5% extender	530	60%	12.50	3.38	
	TAIL	5,980'	50/50 Poz/G + 10% salt + 2% gel + 1% R-3	1670	60%	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 to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 760 psi after installing. Test surface casing to 1,600 psi prior to drilling out.
 BOPE: 11" 6M with one annular and 2 rams. Test to 5,000 psi (annular to 2,600 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 Payne

DATE: _____

**NBU 920-12B
NWNE 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.

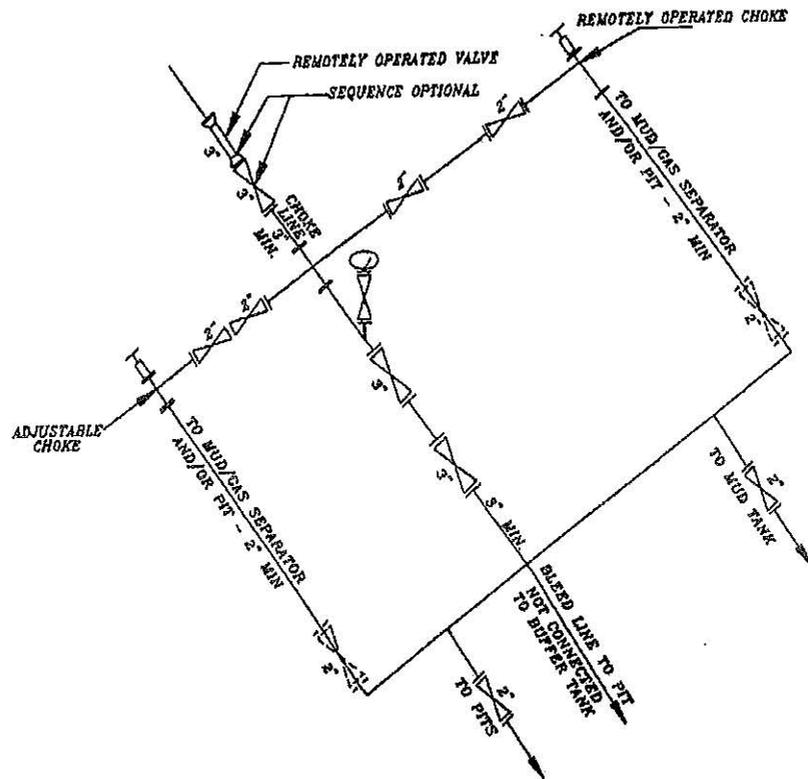
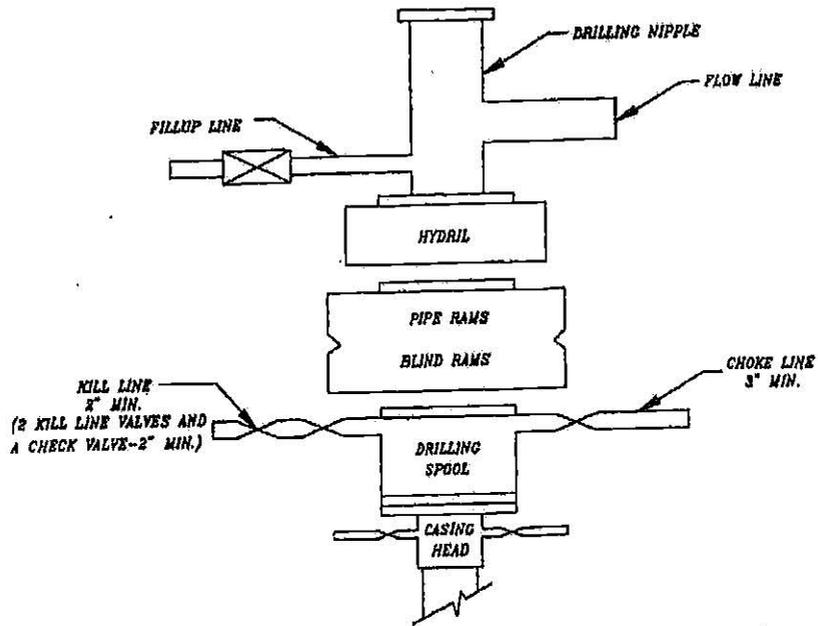
Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239.

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 920-12B
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 4.7 MILES TO AN EXISTING ROAD TO THE SOUTHWEST. EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 0.2 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 920 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 38.7 MILES IN A SOUTHERLY DIRECTION.

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

S89°20'W 79.02 (G.L.O.)

S89°19'55"W - 2606.52' (Meas.)

S89°21'44"W - 2608.33' (Meas.)

Found 1968
Brass Cap.

Found 1968
Brass Cap.
Pile of Stones.

Found 1968
Brass Cap.

N00°23'35"E - 2659.69' (Meas.)

N02°1'E 80.60 (G.L.O.)

Found 1968
Brass Cap.
Pile of Stones.

Found 1968
Brass Cap.
Pile of Stones.

N00°15'42"W - 2665.17' (Meas.)
N01°17'W 40.38 (G.L.O.)

627'

1964'

Proposed
Well

12

NBU 920-12B (Proposed Well Head)

NAO 83 LATITUDE = 40.05562' (40° 03' 20.22")

LONGITUDE = 109.61302' (109° 36' 48.89")

NAO 27 LATITUDE = 40.05565' (40° 03' 20.35")

LONGITUDE = 109.61233' (109° 36' 44.40")

**WELL LOCATION:
NBU 920-12B**

ELEV. UNGRADED GROUND = 4679.0'

Found 1968
Brass Cap.
Pile of Stones.

Found 1968
Brass Cap.
Pile of Stones.

S88°55'40"W (Basis of Bearings)
2670.83' (Measured)
S88°53'W 40.48 (G.L.O.)

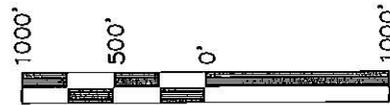
S88°55'55"W - 2612.51' (Meas.)
S88°55'W 39.58 (G.L.O.)

Found 1968
Brass Cap.
Pile of Stones.

N00°27'12"W - 2615.05' (Meas.)
N0°28'W 39.69 (G.L.O.)

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'.



SCALE



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF LOCAL 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. Schlauch
REGISTERED LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

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

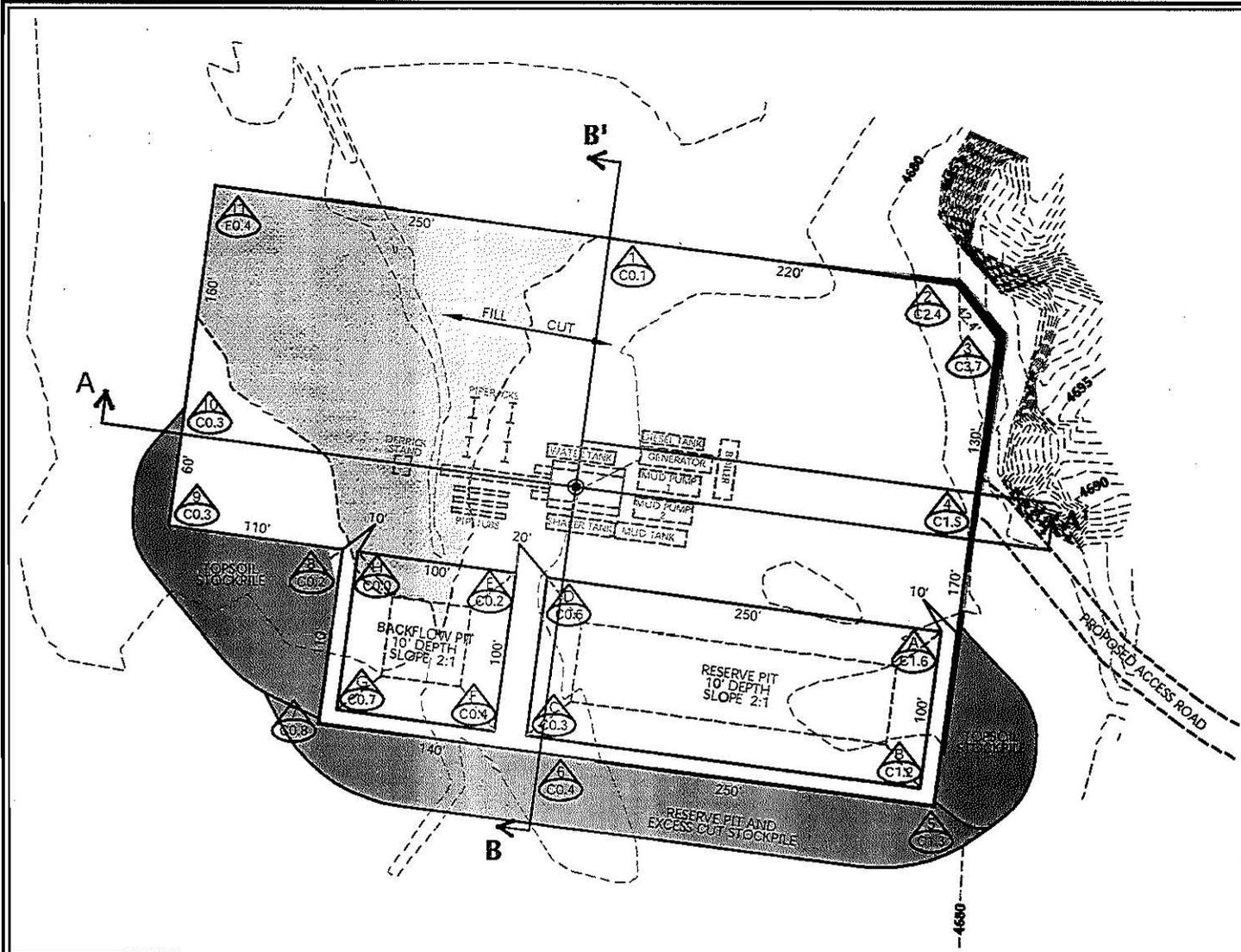
NBU 920-12B
WELL PLAT
627' FNL, 1964' FEL
NW ¼ NE ¼ OF SECTION 12, T9S, R20E,
S.L.B.&M. UTAH COUNTY, UTAH.



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

TIMBERLINE (435) 789-1355
ENGINEERING & LAND SURVEYING, INC.
38 WEST 100 NORTH - VERNAL, UTAH 84078

DATE SURVEYED: 06-23-08	SURVEYED BY: M.S.B.	SHEET 1 OF 9
DATE DRAWN: 07-07-08	DRAWN BY: B.R.B.	
SCALE: 1" = 1000'		Date Last Revised:

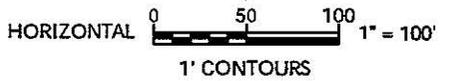


WELL PAD LEGEND	
●	WELL LOCATION
- - -	EXISTING CONTOURS (1' INTERVAL)
—	PROPOSED CONTOURS (1' INTERVAL)

WELL PAD NBU 920-12B QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,678.0'
 FINISHED GRADE ELEVATION = 4,678.5'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 1,586 C.Y.
 TOTAL FILL FOR WELL PAD = 956 C.Y.
 TOPSOIL @ 6" DEPTH = 2,866 C.Y.
 TOTAL DISTURBANCE = 3.55 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

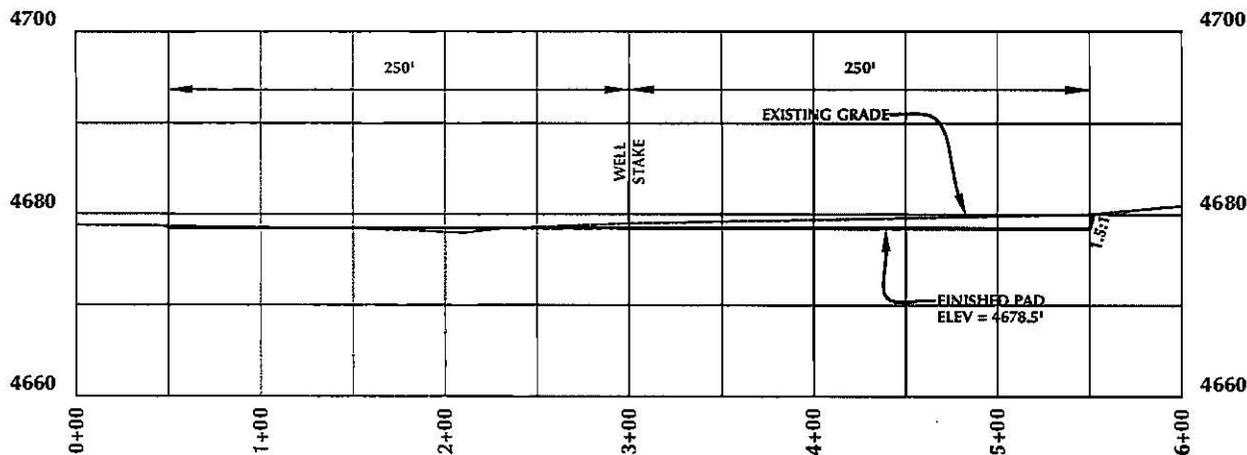


CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

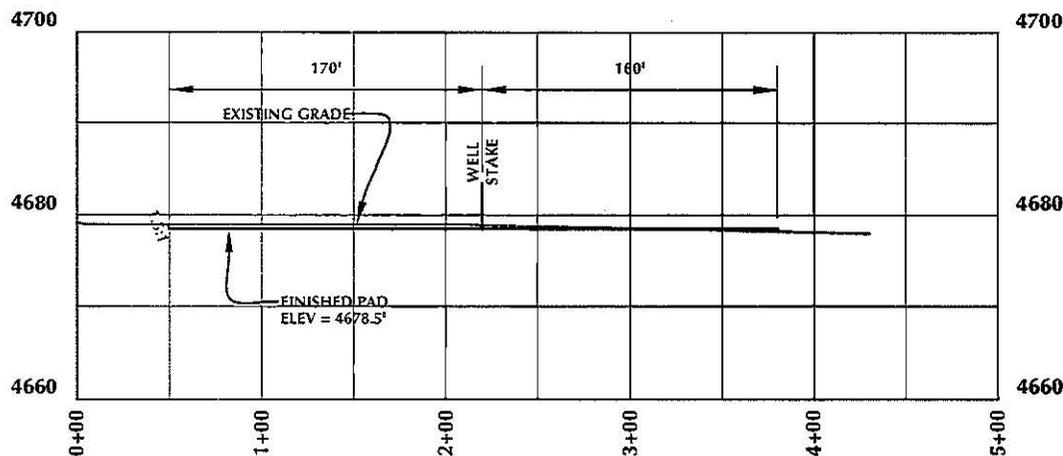
NBU 920-12B
WELL PAD - LOCATION LAYOUT
 627' FNL, 1964' FEL
 NW1/4NE1/4, SECTION 12, T.9S., R.20E.
 S.L.B.&M., Uintah County, Utah

Scale: 1"=100'	Date: 8/15/08	SHEET NO:
REVISED:	BY DATE	2 2 OF 9

Timberline (435) 789-1385
Engineering & Land Surveying, Inc.
 38 WEST 100 NORTH VERNAL, UTAH 84078



CROSS SECTION A-A'

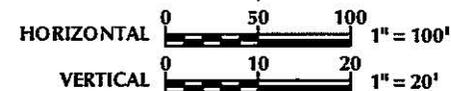


CROSS SECTION B-B'

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



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



**NBU 920-12B
WELL PAD - CROSS SECTIONS
627' FNL, 1964' FEL
NW1/4NE1/4, SECTION 12, T.9S., R.20E.
S.L.B.&M., UINTAH COUNTY, UTAH**

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

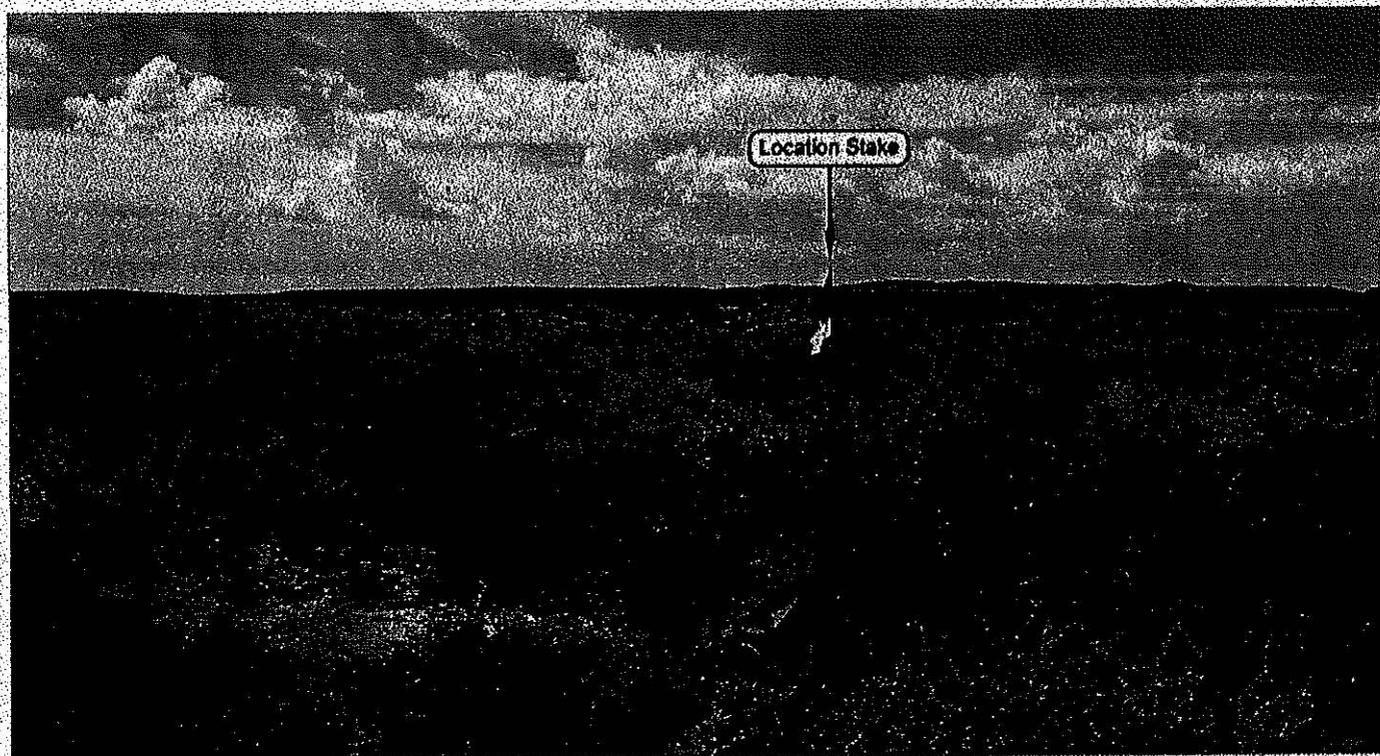


PHOTO VIEW: TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

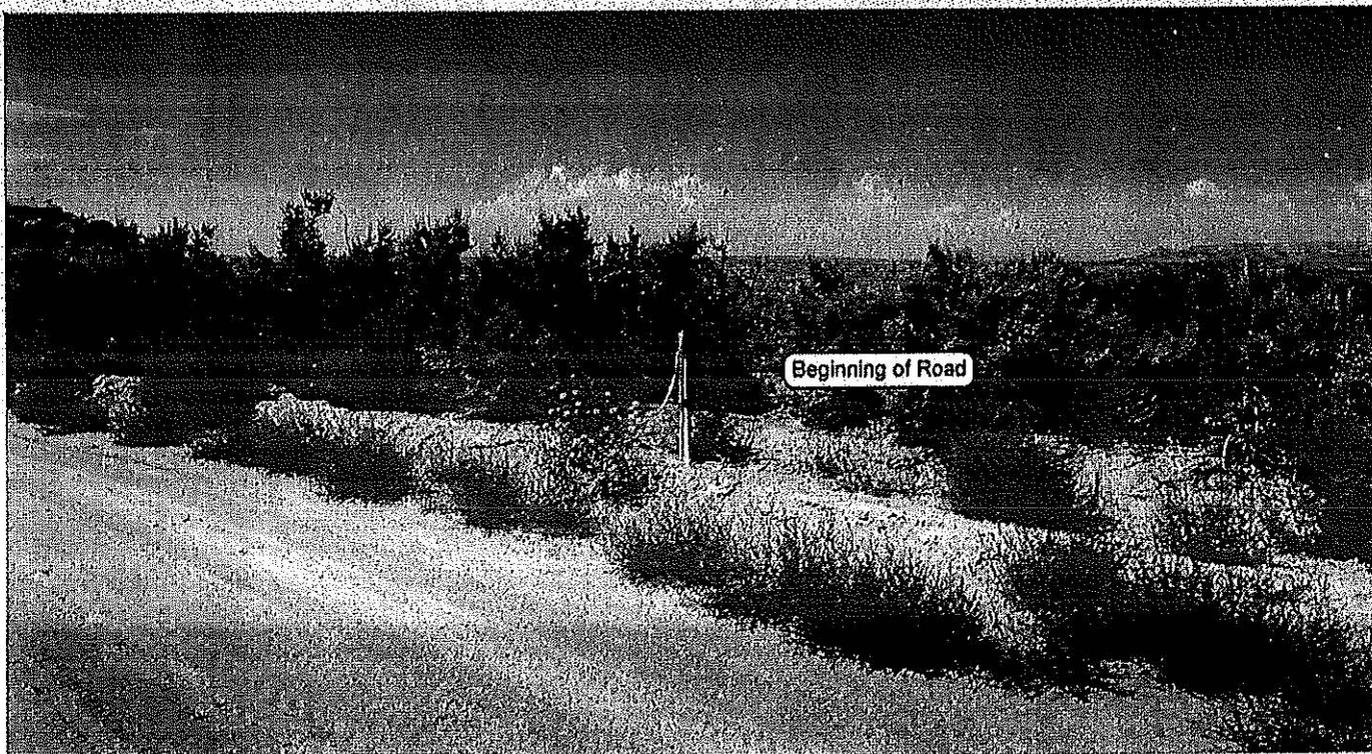


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: SOUTHWESTERLY

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

NBU 920-12B
 627' FNL, 1964' FEL
 NW 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: 7-28-08

DATE DRAWN: 7-29-08

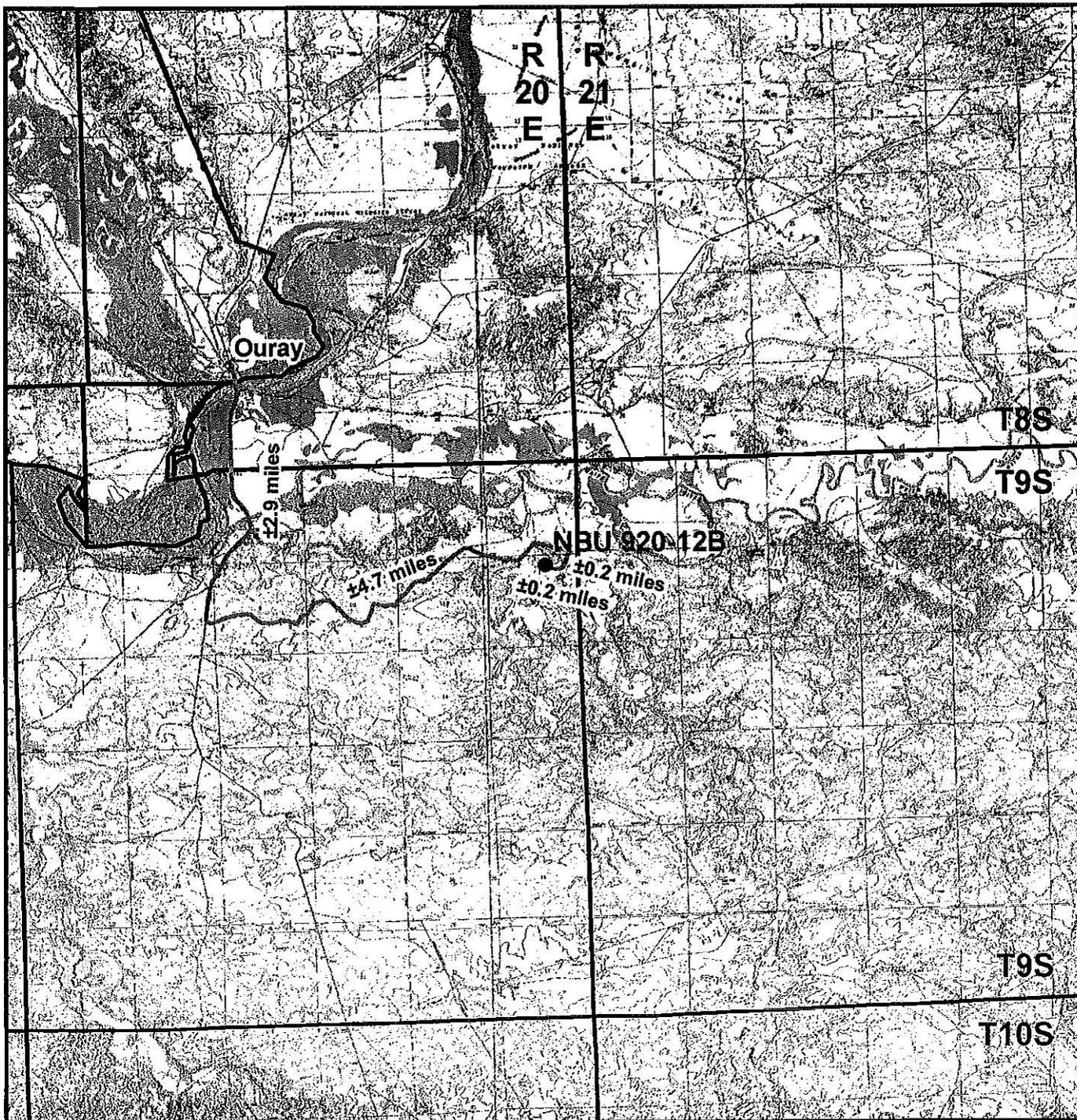
TAKEN BY: M.S.B.

DRAWN BY: J.R.S.

REVISED:

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

SHEET
4
 OF 9



Legend

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

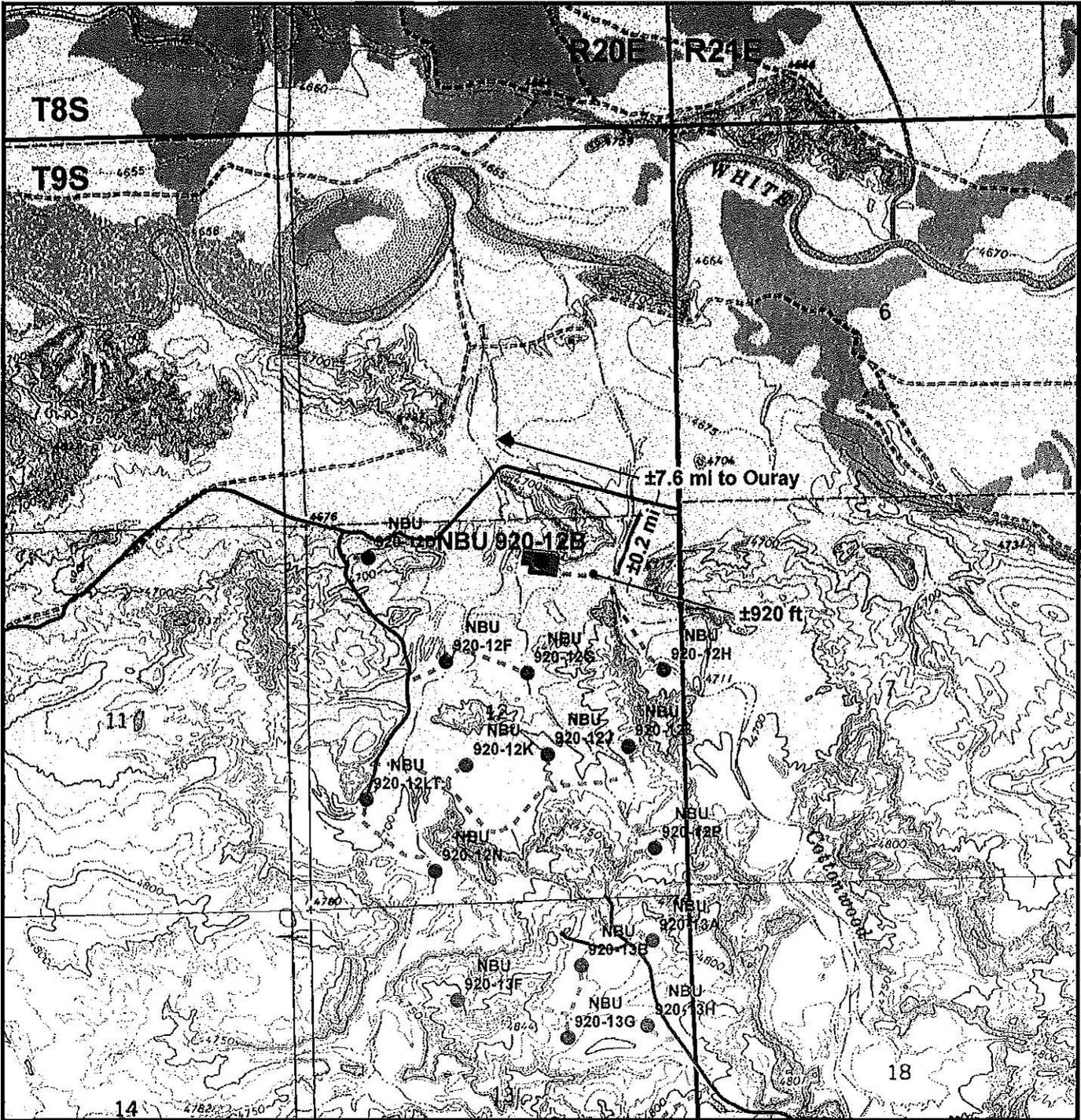
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

NBU 920-12B
 Topo A
 627' FNL, 1964' FEL
 NW¼ 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 = ±920 ft

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

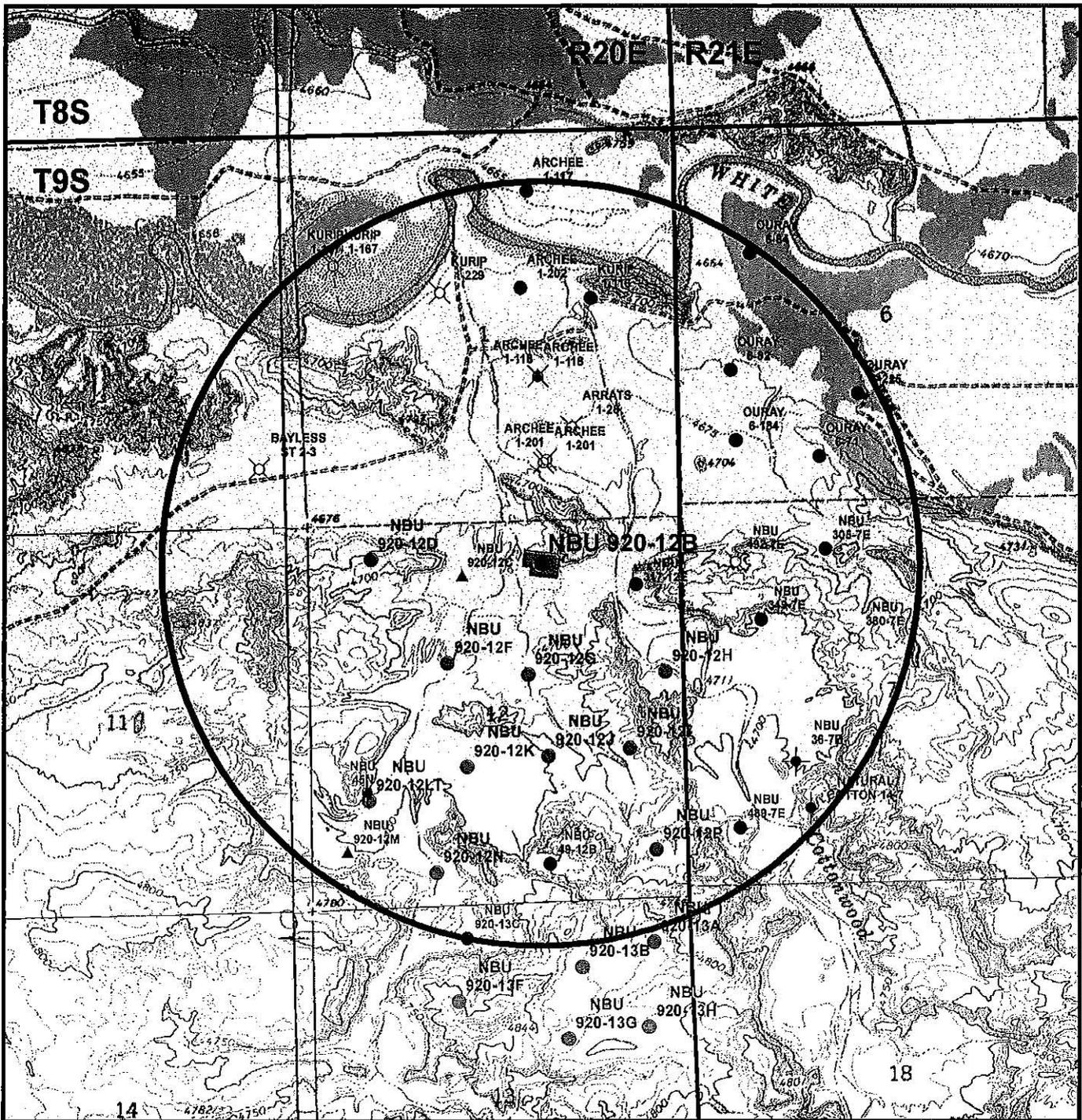
NBU 920-12B
 Topo B
 627' FNL, 1964' FEL
 NW¼ NE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah



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 comple
- ⊕ Plugged and Abandoned
- ⬮ Shut-In

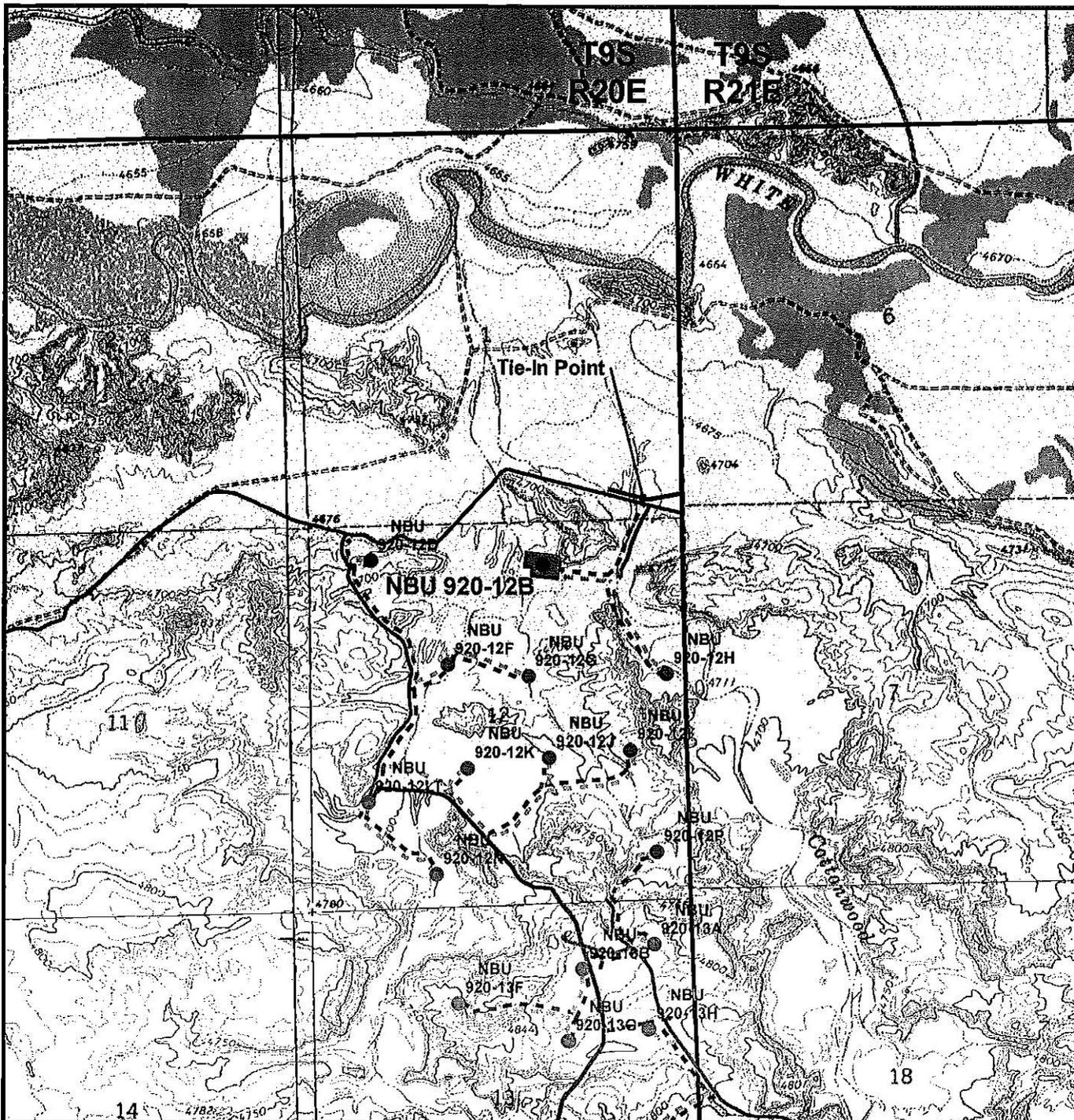
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

NBU 920-12B
 Topo C
 627' FNL, 1964' FEL
 NW¼ 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	7
Revised:	Date:	7 of 9



Legend

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

Total Proposed Pipeline Length: ±2,154ft

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

NBU 920-12B
Topo D
627' FNL, 1964' FEL
NW¼ 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	8
Revised:	Date:	8 of 9

API Number: 4304750174

Well Name: NBU 920-12B

Township 09.0 S Range 20.0 E Section 12

Meridian: SLBM

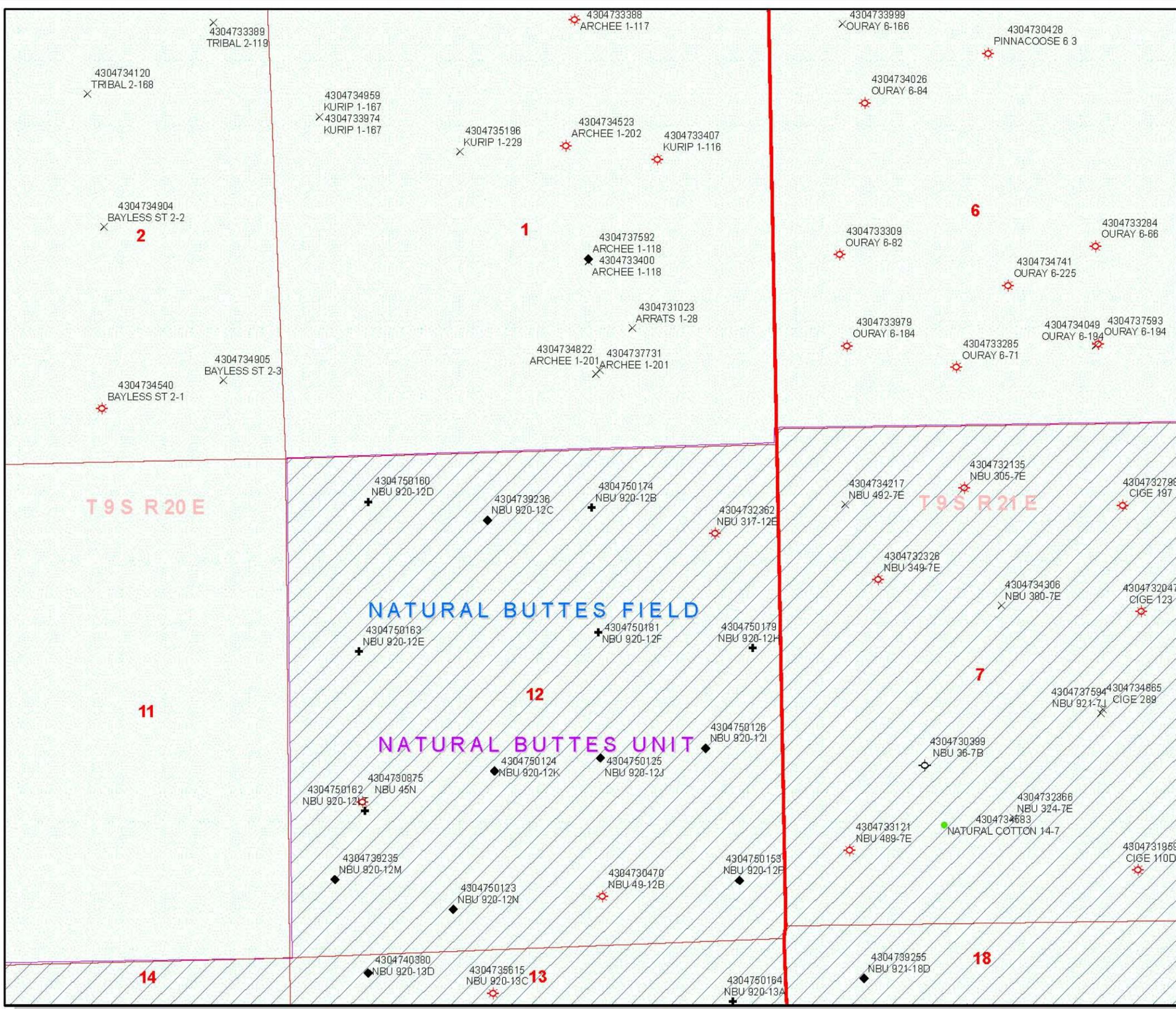
Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

Units	Wells Query Events
<ul style="list-style-type: none"> ACTIVE EXPLORATORY GAS STORAGE NF PP OIL NF SECONDARY PI OIL PP GAS PP GEOTHERML PP OIL SECONDARY TERMINATED 	<ul style="list-style-type: none"> <all other values> GIS_STAT_TYPE <Null> APD DRL GI GS LA NEW OPS PA PGW PCW RET SGW SOW TA TW WD WI WS Bottom Hole Location
Fields	
<ul style="list-style-type: none"> ACTIVE COMBINED Sections Township 	



1:13,066



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: 43047501740000

WELL NAME: NBU 920-12B

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

PHONE NUMBER: 720 929-6666

CONTACT: Raleen White

PROPOSED LOCATION: NWNE 12 090S 200E

Permit Tech Review:

SURFACE: 0627 FNL 1964 FEL

Engineering Review:

BOTTOM: 0627 FNL 1964 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.05561

LONGITUDE: -109.61235

UTM SURF EASTINGS: 618359.00

NORTHINGS: 4434642.00

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 - WYB000291
- 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 920-12B
API Well Number: 43047501740000
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.

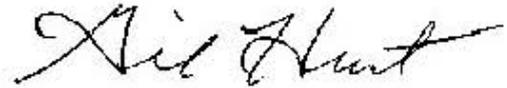
Notify the Division prior to commencing operations to plug and abandon the well.

- 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 that reads "Gil Hunt". The signature is written in a cursive, flowing style.

Gil Hunt
Associate Director, Oil & Gas

RECEIVED
VERNAL FIELD OFFICE

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

2008 SEP 18 PM 1

APPLICATION FOR PERMIT TO DRILL OR REENTER

DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

5. Lease Serial No.
UTU-0144868-B
6. If Indian, Allottee or Tribe Name
UTE TRIBE

1a. Type of Work: DRILL REENTER
b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

7. If Unit or CA Agreement, Name and No.
891008900A
8. Lease Name and Well No.
NBU 920-12B

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE LP

9. API Well No.
43-047-50174

3A. Address
PO BOX 173779, DENVER, CO 80217-3779

3b. Phone No. (include area code)
720-929-6666

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NWNE, 627' FNL, 1964' FEL NAD 83 LAT 40.05562/ LONG 109.61302
At proposed prod. Zone

11. Sec., T., R., M., or Blk, and Survey or Area
SECTION 12, T9S, R20E, SLB&M

14. Distance in miles and direction from nearest town or post office*
APPROXIMATELY 38 +/- MILES FROM VERNAL, UTAH

12. County or Parish
UINTAH
13. State
UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
627'

16. No. of Acres in lease
600

17. Spacing Unit dedicated to this well
NBU WELL

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
1500' +/-

19. Proposed Depth
10800'

20. BLM/BIA Bond No. on file
RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4694' KB

22. Approximate date work will start*
ASAP

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:

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

25. Signature *Raleen White* Name (Printed/Typed) RALEEN WHITE Date 9/11/2008

Title Sr. Regulatory Analyst

Approved by (Signature) *Stephanie J Howard* Name (Printed/Typed) Stephanie J Howard Date 10/5/09

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)

NOS apd posted 9-22-08
AFMSS# 09JMA051A

RECEIVED

OCT 15 2009

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

U006M

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) 781-4401



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Kerr McGee Oil & Gas Onshore LP	Location:	NWNE, Sec. 12, T9S R20E
Well No:	NBU 920-12B	Lease No:	UTU-0144868-B
API No:	43-047-50174	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

- Paint facilities "shadow gray."
- 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.
- Utilize pit-run/gravel for well pad and access road support.
- 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.
- 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 (¼¼, 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
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
1. TYPE OF WELL Gas Well	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	8. WELL NAME and NUMBER: NBU 920-12B
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	9. API NUMBER: 43047501740000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0627 FNL 1964 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 12 Township: 09.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/22/2009	<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 checked="" 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.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: December 21, 2009

By:

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/17/2009	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047501740000

API: 43047501740000

Well Name: NBU 920-12B

Location: 0627 FNL 1964 FEL QTR NWNE SEC 12 TWP 090S RNG 200E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 12/23/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

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

Signature: Danielle Piernot

Date: 12/17/2009

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: December 21, 2009

By: 

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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	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: 12/23/2010	<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
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	<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 checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

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

Date: 12/23/2010
By: 

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/20/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047501740000

API: 43047501740000

Well Name: NBU 920-12B

Location: 0627 FNL 1964 FEL QTR NWNE SEC 12 TWNP 090S RNG 200E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 12/23/2008

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- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

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

Signature: Danielle Piernot

Date: 12/20/2010

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE,

Date: 12/23/2010
By: 

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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12B
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501740000
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: 0627 FNL 1964 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 12 Township: 09.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/4/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" 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: <input style="width: 50px;" type="text"/>

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

The operator requests authorization to deepen this well to the Blackhawk formation which resides in the Mesaverde formation. This request also includes a change in surface casing size, production casing program to Ultra DQX/LTC casing, and drilling options for the use of a Closed Loop system, as indicated in the attachment. Included in the attached drilling plan you will find a request for a variance for FIT requirements (please refer to page 4 in attachment). Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: 10/13/2011
 By: 

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/4/2011	

Kerr-McGee Oil & Gas Onshore. L.P.**NBU 920-12B**

Surface: 627 FNL / 1964 FEL NWNE
 BHL: 627 FNL / 1964 FEL NWNE

Section 12 T9S R20E

Unitah County, Utah
 Mineral Lease: UTU-0144868B

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

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

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1898	Water
Birds Nest	2199	Water
Mahogany	2809	Water
Wasatch	5432	Gas
Mesaverde	8644	Gas
Sego	10997	Gas
Castlegate	11039	Gas
MN5	11385	Gas
TVD	11985	
TD	11985	

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

Please refer to the attached Drilling Program

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

Please refer to the attached Drilling Program

5. Drilling Fluids Program:

Please refer to the attached Drilling Program

6. Evaluation Program:

Please refer to the attached Drilling Program

7. Abnormal Conditions:

Maximum anticipated bottom hole pressure calculated at 11985' TVD, approximately equals
7,910 psi (0.66 psi/ft = actual bottomhole gradient)

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

Maximum anticipated surface pressure equals approximately 5,328 psi (bottom hole pressure
minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

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

8. Anticipated Starting Dates:

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

9. Variances:

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

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

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

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

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

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

Background

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

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

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

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

Variance for BOPE Requirements

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

Variance for Mud Material Requirements

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

Variance for Special Drilling Operation (surface equipment placement) Requirements

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

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

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

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

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion

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

10. Other Information:

Please refer to the attached Drilling Program.



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

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS			
						BURST	COLLAPSE	LTC	DQX
								TENSION	
CONDUCTOR	14"	0-40'							
						3,390	1,880	348,000	N/A
SURFACE	8-5/8"	0 to 3,260	28.00	IJ-55	LTC	1.65	1.23	4.35	N/A
						10,690	8,650	279,000	367,000
PRODUCTION	4-1/2"	0 to 5,000	11.60	HCP-110	DQX	1.19	1.07		3.29
	4-1/2"	5,000 to 11,985'	11.60	HCP-110	LTC	1.19	1.07	4.30	

Surface Casing:

(Burst Assumptions: TD = 13.0 ppg) 0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 9000 psi) 0.66 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	60%	15.80	1.15
Option 1	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	270	0%	15.80	1.15
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE	LEAD	2,760'	65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW	250	35%	11.00	3.82
Option 2	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.80	1.15
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	4,925'	Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	380	35%	11.00	3.38
	TAIL	7,060'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,670	35%	14.30	1.31

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

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

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

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

DRILLING ENGINEER:

Nick Spence / Emile Goodwin / Chad Loesel

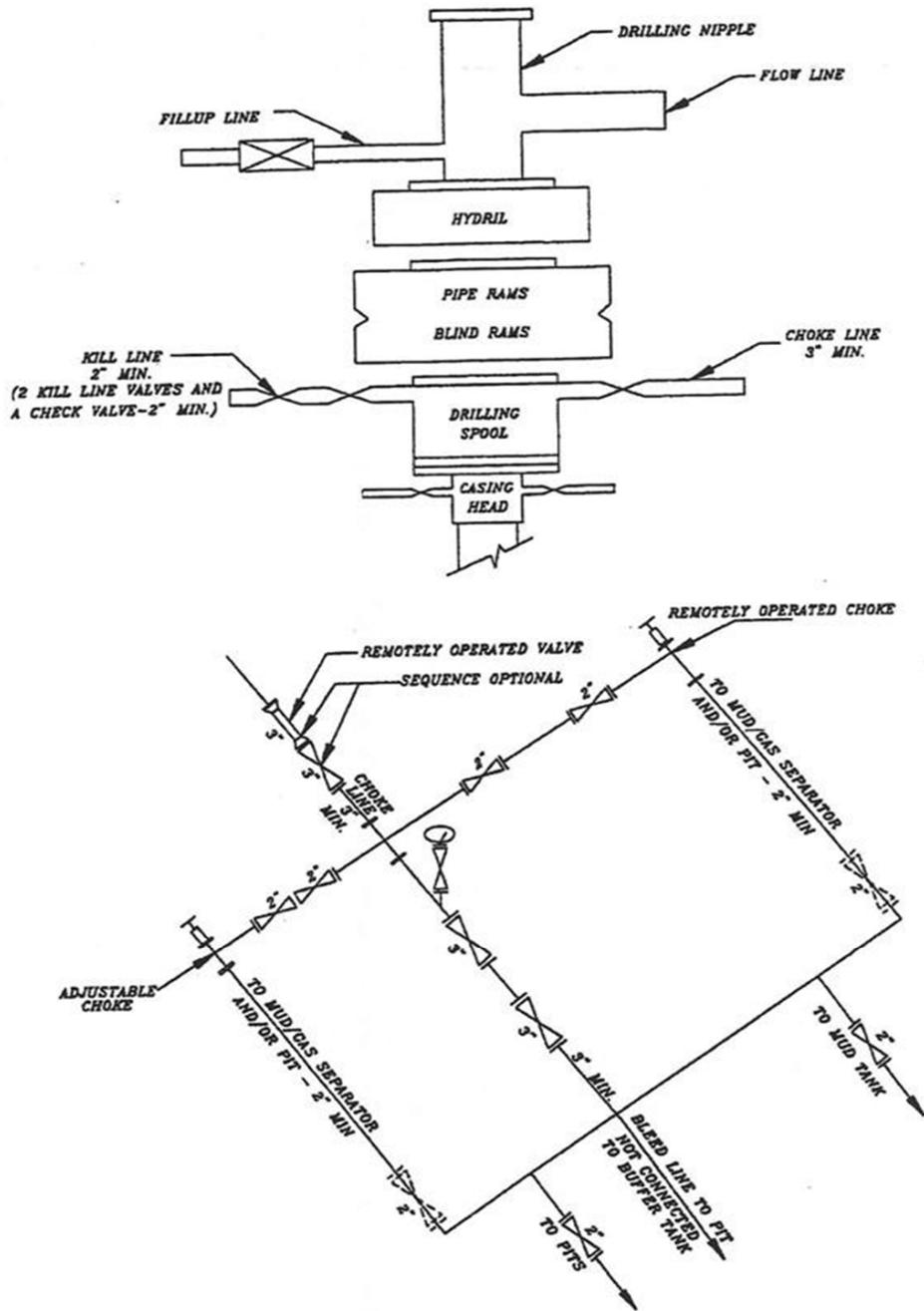
DATE:

DRILLING SUPERINTENDENT:

Kenny Gathings / Lovel Young

DATE:

EXHIBIT A NBU 920-12B



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

Requested Drilling Options:

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS **SEP 07 2011**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

BLM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU0144868B
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No. UTU63047A
3b. Phone No. (include area code) Ph: 720-929-6100		8. Well Name and No. NBU 920-12B
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T9S R20E NWNE 627FNL 1964FEL 40.055620 N Lat, 109.613020 W Lon		9. API Well No. 43-047-50174-00-X1
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Recomplete
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Change to Original PD
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. The original APD was approved on 10/5/2009. Please contact the undersigned with any questions and/or comments. Thank you.

VERNAL FIELD OFFICE
ENG. RH 9/9/11
GEOL. _____
E.S. _____
PET. _____
RECL. _____

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #117050 verified by the BLM Well Information System
For KERR MCGEE OIL & GAS ONSHORE L., sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 09/07/2011 (11RRH3994SE)

Name (Printed/Typed) ANDY LYTLE	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/07/2011

RECEIVED

OCT 07 2011

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>[Signature]</u>	Title _____
Conditions of approval, if any, are attached. Approval of this notice 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.	Date SEP 15 2011
	Office _____

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.

UDOGM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

11DD11299115C

CONDITIONS OF APPROVAL

Kerr McGee Oil and Gas Onshore LP.

Notice of Intent APD Extension

Lease: UTU-0144868B
Well: NBU 920-12B
Location: NWN Sec 12-T9S-R20E

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 10/05/2013.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

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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<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK																														
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<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON																														
<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																														
<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU AIR RIG ON DEC. 3, 2011. DRILLED SURFACE HOLE TO 3135'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT.																																
NAME (PLEASE PRINT) Jaime Scharnowske		PHONE NUMBER 720 929-6304																														
SIGNATURE N/A		TITLE Regularatory Analyst DATE 12/7/2011																														

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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12B	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501740000	
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: 0627 FNL 1964 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 11/30/2011 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL ON 11/30/2011 AT 0900 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/1/2011	

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750174	NBU 920-12B		NWNE	12	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	3900	11/30/2011			12/16/11	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>BLKHK = MURD = WSMVD</u> SPUD WELL ON 11/30/2011 AT 0900 HRS							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750712	NBU 921-19N		SESW	19	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	3900	12/1/2011			12/16/11	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>BLKHK = MURD = WSMVD</u> SPUD WELL ON 12/01/2011 AT 1130 HRS.							

Well 3

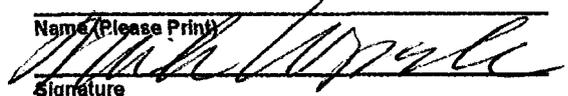
API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

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

SHEILA WOPSOCK

Name (Please Print)



Signature

REGULATORY ANALYST

12/1/2011

Title

Date

RECEIVED

DEC 01 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
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 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12B
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501740000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0627 FNL 1964 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE 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: 2/1/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

MIRU ROTARY RIG. FINISHED DRILLING FROM 3135' TO 11,985' ON JAN. 28, 2012. RAN 4-1/2" 11.6# P-110 PRODUCTION CASING. CEMENTED PRODUCTION CASING. RELEASED SST RIG 54 ON FEB. 1, 2012 @ 14:00 HRS. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 02, 2012

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regularatory Analyst
SIGNATURE N/A	DATE 2/2/2012	

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
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-12B	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501740000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0627 FNL 1964 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE 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: 2/28/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
THE SUBJECT WELL WAS PLACED ON PRODUCTION ON February 28, 2012 AT 4:50 P.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 06, 2012		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 2/29/2012	

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	
7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well	
8. WELL NAME and NUMBER: NBU 920-12B	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	
9. API NUMBER: 43047501740000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6511	
9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0627 FNL 1964 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE 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: 3/12/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 03/12/2012 AT 1700 HRS. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 16, 2012

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/14/2012	

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: JAIME L. SCHARNOWSKE
Mail: JAIME.SCHARNOWSKE@ANADARKO.COM

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

3. Address PO BOX 173779
DENVER, CO 80217

3a. Phone No. (include area code)
Ph: 720-929-6304

9. API Well No.
43-047-50174

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NWNE 627FNL 1964FEL 40.055620 N Lat, 109.513020 W Lon
At top prod interval reported below NWNE 627FNL 1964FEL 40.055620 N Lat, 109.513020 W Lon
At total depth ^{655 2011} NWNE 627FNL 1964FEL 40.055620 N Lat, 109.513020 W Lon *BHL by HSM*

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
11/30/2011

15. Date T.D. Reached
01/28/2012

16. Date Completed
 D & A Ready to Prod.
02/28/2012

17. Elevations (DF, KB, RT, GL)*
4679 GL

18. Total Depth: MD 11985
TVD 11981

19. Plug Back T.D.: MD 11930
TVD 11926

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
HDIL/ZDL/CNGR/CBL/CM/GR/CCIL-RSL/SM/GR/CCIL

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7	0	40		28			
11.000	8.625 IJ-55	28.0	0	3109		610		0	
7.875	4.500 P-110	11.6	0	11974		2310		260	

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	11426							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	11276	11732	11276 TO 11732	0.360	72	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11276 TO 11732	PUMP 11,542 BBLs SLICK H2O & 285,281 LBS 30/50 OTTAWA SAND

RECEIVED
APR 17 2012
DIV. OF OIL, GAS & MINING

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
02/28/2012	03/15/2012	24	→	0.0	1963.0	866.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18/64	1277	2357.0	→	0	1963	866		PGW	

28a. Production - Interval B

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	
			→						

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 BIRD'S NEST MAHOGANY WASATCH MESAVERDE	1840 2125 2785 5342 8710

32. Additional remarks (include plugging procedure):

The first 210' of the surface hole was drilled with a 12 ?? bit. The remainder of surface hole was drilled with an 11? bit. DQX csg was run from surface to 4976?; LTC csg was run from 4976? to 11,974?.
Attached is the chronological well history, perforation report & final survey.

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 #135278 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal**

Name (please print) JAIME L. SCHARNOWSKE Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 04/12/2012

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: PROPETRO 11/11, SST 54/54

Event: DRILLING

Start Date: 11/10/2011

End Date: 2/1/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWN/E/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
12/3/2011	14:30 - 19:30	5.00	MIRU	01	A	P		MOVE RIG F/ NBU 921-21B1CS T/NBU 920-12B
	19:30 - 0:00	4.50	MIRU	01	B	P		RIG UP
12/4/2011	0:00 - 1:30	1.50	MIRU	01	B	P		RU
	1:30 - 3:00	1.50	DRLSUR	08	B	Z		THAW MUD PUMP, WORK ON OILERS & THAW HOSES.
	3:00 - 10:00	7.00	DRLSUR	08	A	Z		WHILE CHANGING KELLY HOSE A CRACK WAS FOUND IN THE DERRICK. WAIT ON WELDER & REPAIR RIG.
	10:00 - 11:00	1.00	DRLSUR	06	A	S		P/U 12 1/4 BIT & MUD MOTOR, TIH T/80' SPUD @ 11:00
	11:00 - 12:30	1.50	DRLSUR	02	B	P		DRILL 12.25" HOLE 84"- 210'. (226', 84'/HR) RPM=45, WOB 5-15K. PSI ON/OFF 600/400. UP/DOWN/ ROT 20/20/20 K. DRAG 0 K. CIRC RESERVE W. 8.3# WATER. DRILL DOWN TO 210' W/ 6" COLLARS.
	12:30 - 14:00	1.50	DRLSUR	06	A	P		POOH, P/U 11" BIT & DIR. TOOLS (DROP LIFTING EYE FOR BUSHINGS IN THE HOLE.
	14:00 - 16:00	2.00	DRLSUR	08	A	Z		POOH, WAIT FOR MAGNET, RIH, POOH WITH LIFTING EYE ON MAGNET
	16:00 - 18:00	2.00	DRLSUR	06	A	P		RIH W/11" BIT & DIR. TOOLS.
	18:00 - 0:00	6.00	DRLSUR	02	B	P		DRILL F/210 T/910 (700' @ 117' PER HR) WOB 20K, PSI ON/OFF 1200/900, RPM 45 UP/DWN/ROT 60/49/56
	12/5/2011	0:00 - 12:00	12.00	DRLSUR	02	B	P	
12:00 - 22:00		10.00	DRLSUR	02	B	P		DRILL F/2140 T/2880 (740' @ 74' PER HR) WOB 20K, PSI ON/OFF 1950/1630, RPM 45 UP/DWN/ROT 86/66/79
22:00 - 0:00		2.00	DRLSUR	08	B	Z		WAIT ON MECHANIC TO START PUMP
12/6/2011	0:00 - 3:30	3.50	DRLSUR	02	B	P		DRILL F/2880 T/3135(250' @ 74' PER HR) WOB 20K, PSI ON/OFF 1950/1630, RPM 45 UP/DWN/ROT 86/66/79 TD @ 03:30
	3:30 - 5:30	2.00	DRLSUR	05	C	P		CIRC F/CSNG
	5:30 - 11:30	6.00	DRLSUR	06	D	P		LDDS BHA & DIR. TOOLS
	11:30 - 12:30	1.00	DRLSUR	12	A	P		MOVE PIPE RACKS AND CATWALK. PULL DIVERTER HEAD. RIG UP TO RUN CSG. AND MOVE CSG INTO POSITION TO P/U.
	12:30 - 16:00	3.50	DRLSUR	12	C	P		RUN 70 JTS 8 5/8, 28# CSNG. SHOE SET @3095', BAFFLE SET @ 3048.88'
	16:00 - 17:00	1.00	DRLSUR	12	B	P		HOLD SAFETY MEETING, RUN 200' OF 1". RIG DOWN RIG MOVE OFF WELL, REBUILD DITCH. RIG UP CEMENT TRUCK, 2" HARD LINES,. CEMENT HEAD, LOAD PLUG. LAND CSNG @ 16:45

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: PROPETRO 11/11, SST 54/54

Event: DRILLING

Start Date: 11/10/2011

End Date: 2/1/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWN/E/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	17:00 - 19:30	2.50	DRLSUR	12	E	P		PRESSURE TEST LINES TO 2500 PSI. PUMP 50 BBLs OF WATER AHEAD. PUMP 20 BBLs OF 8.3# GEL WATER AHEAD. PUMP (260 SX) 176.8 BBLs OF 11.0# 3.82 YD 23 GAL/SK PREMIUM CEMENT. PUMP 200 SX TAIL, 15.8#, 1.15 YIELD. DROP PLUG ON FLY. DISPLACE WITH 190.2 BBLs OF H2O. FULL CIRC THROUGHOUT. FINAL LIFT 950 PSI AT 4 BBLs MIN. BUMP PLUG WITH 1220 PSI HELD FOR 5 MIN. FLOAT HELD. PUMP 150 SX (30.7 BBLs) OF SAME TAIL CEMENT WITH 2% CACL DOWN 1". SHUT DOWN AND CLEAN TRUCK. CEMENT TO SURFACE.. RELEASE RIG @ 19:30
1/14/2012	21:00 - 0:00	3.00	RDMO	01	A	P		RIG DOWN PREPARE FOR TRUCKS WESTROCK TO BE ON LOCATION AT 07:00 FOR MOVE. 1/15/12
1/15/2012	0:00 - 19:00	19.00	DRLPRO	01	E	P		RIG DOWN, RIG DOWN MOVE 100% RIG UP 80% W/O/DAYLIGHT
1/16/2012	19:00 - 0:00	5.00	DRLPRO	01	B	P		W/O/DAYLIGHT
	0:00 - 6:00	6.00	DRLPRO	01	A	P		W/O/DAYLIGHT
	6:00 - 6:30	0.50	DRLPRO	01	A	P		SAFETY MEETING W/ WESTROCK TRUCKING
	6:30 - 7:00	0.50	DRLPRO	01	A	P		RIG UP SET DERRICK ON FLOOR, SPOT SUPPORT EQUIPMENT, RIG UP ELECTRIC SCR HOUSE, CHANGE BRAKE BANDS, REPAIR LOW CLUTCH, FAB AND INSTALL 10" X 2' PIPE EXTENSION TO TOP OF GAS BUSTER, IN STALL FLOW LINE RIG UP GAS BUSTER, CHANGE OUT PULLYS AND WINCH LINE TO AIR HOIST, RAISE DERRICK @ 16:30
	7:00 - 0:00	17.00	DRLPRO	01	A	P		PREPARE AND PICK UP TOP DRIVE CONTINUE RIG UP AND WINTERIZING RIG
1/17/2012	0:00 - 11:00	11.00	DRLPRO	01	B	P		100% MOVED 90% RIG UP
	11:00 - 15:00	4.00	DRLPRO	14	A	P		FINISH RIG UP AND WINTERIZING RIG, CUT DRILLING LINE 94'
	15:00 - 18:00	3.00	DRLPRO	15	A	P		NIPPLE DOWN STRATA ROTATING HEAD AND TIME TO FLOW LINE, NIPPLE UP STRATA, NIPPLE UP BOP CHOKE LINES, KILL LINES, FLARE LINES.*****RIG ON DAY WORK@ 11:00 1-17-12 *****
	18:00 - 23:00	5.00	DRLPRO	15	A	P		TEST ALL FLOOR VALVES, 250 LOW, 5000 HIGH TESTED, TEST PIPE RAMS LEAKING FROM WELL HEAD ADAPTOR. NIPPLE DOWN CHANGE O-RING NIPPLE UP SAME
	23:00 - 23:30	0.50	DRLPRO	06	A	P		TEST WELL HEAD ADAPTOR TESTED, TEST BOP 250 LOW & 5000 HIGH, PIPE RAMS & INSIDE VALVES, TESTED RAMS OUTSIDE VALVES, CHOKE LINE, CHECK VALVE, INSIDE MANIFOLD VALVES, BLIND RAMS, CHOKE LINE & MANIFOLD VALVES, TESTED, OK 250 LOW 3000 HIGH, HYDRILL, TEST CASING 1500 PSI. 1/2 HR. GOOD TEST
	23:30 - 0:00	0.50	DRLPRO	06	A	P		RIG DOWN A -1 TESTING. INSTALL WEAR BUSHING
1/18/2012	0:00 - 1:30	1.50	DRLPRO	06	A	P		PICK UP/ ORIENT MOTOR & BIT, P/U BHA & DRILL PIPE
	1:30 - 7:30	6.00	DRLPRO	06	A	P		PICK UP BHA. SCRIBE & PROGRAM MWD RIG UP LAY DOWN MACHINE & TRIP IN HOLE PICKING UP DP. TAG CEMENT @ 2975'

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: PROPETRO 11/11, SST 54/54

Event: DRILLING

Start Date: 11/10/2011

End Date: 2/1/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWNE/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 10:30	3.00	DRLPRO	08	C	Z		CHANGE OUT IBOP
	10:30 - 11:00	0.50	DRLPRO	07	A	P		RIG SERVICE & FUNCTION BOP.
	11:00 - 12:30	1.50	DRLPRO	02	F	P		DRILL SHOE TRACK. 2975' TO 3135'
	12:30 - 0:00	11.50	DRLPRO	02	B	P		DRLG ROTATE/SLIDE/SURVEY. 3135' TO 4328'. 1193' @ 103.7 FPH. WOB 18K. TD RPM 50. MM PRM 82. PUMPING 514 GPM. PAI ON/OFF 1710/1500. TORQUE ON/OFF 6250/4230. NO FLARE. NO LOSSES.
1/19/2012	0:00 - 14:30	14.50	DRLPRO	02	B	P		DRLG. ROTATE/SLIDE/SURVEY. 4328' TO 5852'. 1524' @ 105.1 FPH. WOB 12 TO 18K. TD RPM 50. MM RPM 82. PUMPING 514 GPM. PSI ON/OFF 2050/1840. TORQUE ON/OFF 6050/4410. NO FLARE. VIS 27. WT 8.4.
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE. FUNCTION BOP.
	15:00 - 0:00	9.00	DRLPRO	02	B	P		DRLG. ROTATE/SLIDE/SURVEY. 5852' TO 6730'. 550' @ 91.6 FPH. WOB 18 TO 19K. TD RPM 45. MM RPM 82. PUMPING 514 GPM. PSI ON/OFF 2050/1840. TORQUE ON/OFF 7110/4420. NO FLARE. VIS 27. WT 8.5. HOLE STARTED SEEPING @ 6518' LOST 25 BBL
1/20/2012	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRLG ROTATE/SLIDE/SURVEY. 6730 TO 7756. 1026' @ 64.1 FPH. WOB 16 TO 18K. TD RPM 47. MM RPM 82. PUMPING 510 GPM. PSI ON/OFF 2250/1970. TORQUE ON/OFF 9600/5850. OCCASIONAL 2 TO 8' FLARE. VIS 34. WT 8.7 STRATA BACK PRESSURE = 40 PSI. 8.9 EMW.
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE. FUNCTION BOP.
	16:30 -		DRLPRO	02	B	P		DRLG ROTATE/SLIDE/SURVEY. 7756' TO 8043' 287' @ 38.3 FPH. WOB 18 TO 20K. TD RPM 40. MM RPM 82. PUMPING 510 GPM. PSI ON/OFF 2250/1970. TORQUE ON/OFF 6830/5850. NO FLARE. VIS 37. WT 8.8. STRATA BACK PRESSURE = 40 PSI WIDE OPEN. 8.9 EMW.
1/21/2012	0:00 - 13:30	13.50	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 8043' TO 8430'. 437' @ 32.4 FPH. WOB 18 TO 20K. TD RPM 43. MM RPM 75. PUMPING 465 GPM. PSI ON/OFF 1920/1830. TORQUE ON/OFF 6050/5780. CHECK FLOW FOR TRIP. 1" PLUS FLOW. RAISE MUD WT TO 9.3 PPG. NO FLARE STRATA BACK PRESSURE 40 PSI.
	13:30 - 19:30	6.00	DRLPRO	06	A	P		TRIP OUT OF HOLE.
	19:30 - 22:00	2.50	DRLPRO	06	J	P		CHANGE OUT MOTOR, BIT, MWD BATTERIES. SCRIBE MWD. TEST MOTOR. FUNCTION BLIND RAMS
	22:00 - 0:00	2.00	DRLPRO	06	A	P		TRIP IN HOLE. CHANGE OUT STRATA ROTATING RUBBER & BEARING PACK. FILL PIPE @ 3000'.
1/22/2012	0:00 - 2:30	2.50	DRLPRO	06	A	P		TRIP IN HOLE. WASH TIGHT HOLE 5757' TO 5852'. WASH 230' TO BOTTOM. NO FILL. TRIP GAS 4570 UNITS. NO FLARE.
	2:30 - 15:00	12.50	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 8480' TO 9280'. 800' @ 64 FPH. WOB 18 TO 20K. TD RPM 46 TO 50. MM RPM 78. PUMPING 490 GPM. PSI ON /OFF 2400/2150. TORQUE ON/OFF 10,550/7640. 15 TO 20' FLARE STARTING @ 9136'. VIS 40. WT 9.3. STRATA BACK PRESSURE AVERAGE 65 PSI. MWE 9.43 PPG.
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE. FUNCTION BOP.

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: PROPETRO 11/11, SST 54/54

Event: DRILLING

Start Date: 11/10/2011

End Date: 2/1/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWNE/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	15:30 - 18:30	3.00	DRLPRO	02	B	P		DRLG ROTATE/SLIDE/SURVEY. 9280' TO 9380'. 100' @ 33.3 FPH. WOB 18 TO 20K. TD RPM 50. MM RPM 80. PUMPING 500 GPM. PSI ON/OFF 2410/2150. TORQUE ON/OFF 9600/7640. 15 TO 25' FLARE. VIS 44 WT 9.4. STRATA BACK PRESSURE 90 PSI. MWE 9.6 PPG.
	18:30 - 19:00	0.50	DRLPRO	08	B	P		WORK ON PUMPS. REPLACE SWAB ON #1 PUMP.
	19:00 - 0:00	5.00	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 9380' TO 9660'. 280' @ 56 FPH. WOB 16 TO 20K. TD RPM 48. MM RPM 78. PUMPING 490 GPM. PSI ON/OFF 2460/2000. TORQUE ON/OFF 10,650/7080. 10 TO 25' FLARE. STRATA BACK PRESSURE 73 PSI. MWE 9.34 PPG
1/23/2012	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 9660' TO 10,328'. 668' @ 44.5 FPH. WOB 18K. TD RPM 50. MM RPM 75. PUMPING 470 GPM. PSI ON/OFF 2520/2340. TORQUE ON/OFF 10880/8890. FLARE 8 TO 25'. GAS 300 TO 1600 UNITS. STRATA BACK PRESSURE. 70 PSI. 9.53 EMW. VIS 47. WT 9.4
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVIC3E. FUNCTION BOP.
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 10,328' TO 10840'. 171' @ 28.5 FPH. WOB 18K. TD RPM 47. MMRPM 75. PUMPING 470 GPM. PSI ON/OFF 2360/2310. TORQUE ON/OFF 8890/8680. FLARE 0 TO 6'. GAS 1000 TO 4910 UNITS. STRATA BACK PRESSURE 66 PSI. VIS 43. WT 9.3
1/24/2012	0:00 - 9:00	9.00	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 10,669' TO 10,900'. 231' @ 25.7 FPH. WOB 20K. TD RPM 50. MM RPM 74. PUMPING 465 GPM. PSI ON/OFF 2580/2410. TORQUE ON/OFF 10,840/8810. FLARE 4 TO 8'. GAS 2570 TO 3630 UNITS. MUD WT IN/OUT 10.8/9.5. STRATA BACK PRESSURE 88 PSI. 10.95 MWE. HOLE TAKING MUD. LOST 150 BBL.
	9:00 - 9:30	0.50	DRLPRO	07	A	P		RIG SERVICE. SET CROWN O MATIC. FUNCTION BOP
	9:30 - 0:00	14.50	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 10,900' TO 11,077'. WOB 21K. TD RPM 42. MM RPM 74. PUMPING 465 GPM. PSI ON/OFF 2580/2450. TORQUE ON/OFF 6740/6510. FLARE 8 TO 10'. GAS 1225 TO 3280 UNITS. MUD WT IN/OUT 10.4/10.3. STRATA BACK PRESSURE 250 PSI. 10.84 MWE. HOLE SEEPING 27 BBL/HR. LOST 390 BBL.
1/25/2012	0:00 - 17:30	17.50	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 11,077' TO 11,281' 204' @ 11.7 FPH. WOB 21K. TD RPM 46. MM RPM 75. PUMPING 470 GPM. PSI ON/OFF 2630/2460. TORQUE ON/OFF 6550/5200. FLARE 8 TO 10'. GAS 1800 TO 2500 UNITS. MUD WT IN/OUT 11.0/9.9. STRATA BACK PRESSURE 300 PSI. 11.5 EMW. HOLE TAKING 16 BBL/HR. LOST 270 BBL.
	17:30 - 18:00	0.50	DRLPRO	07	A	P		RIG SERVICE. FUNCTION BOP.
	18:00 - 0:00	6.00	DRLPRO	02	B	P		DRLG. ROTATE. 11,281' TO 11335'. 54' @ 9 FPH. WOB 21K. TD RPM 47. MM RPM 70. PUMPING 470 GPM. PSI ON /OFF 2740/2595. TORQUE ON/OFF. 9240/5200. FLARE 2'. GAS 435 UNITS. MUD WT IN/OUT 11.5/11.0. STRATA BACK PRESSURE 75 PSI. 11.6 EMW. HOLE TAKING 15 BBL/HR. LOST 90 BBL.

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: PROPETRO 11/11, SST 54/54

Event: DRILLING

Start Date: 11/10/2011

End Date: 2/1/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NW/NE/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/26/2012	0:00 - 1:30	1.50	DRLPRO	02	B	P		DRLG. ROTATE. 11,335' TO 11,346'. 11' @ 7.3 FPH. WOB 21K. TD RPM 46. MM RPM 75. PUMPING 470 GPM. SPI ON/OFF 2650/2570. TORQUE ON/OFF 7250/5210. 2 TO 4' FLARE. GAS 2410 UNITS. MUD IN/OUT 11.6/11.0. STRATA OPEN
	1:30 - 13:30	12.00	DRLPRO	06	A	P		SPOT 100 12.5# PILL ON BOTTOM& TRIP OUT. BACK REAM TIGHT HOLE 11,346' TO 10996'. CHECK FLOW @ 9000'. 1" FLOW PUMP 50 BBL 12.5# PILL. TRIP OUT TO 7596' CHECK FLOW. 1" FLOW. MIX & PUMP 100 BBL 12.5# PILL. TRIP OUT. CHECK FLOW @ 6751'. NO FLOW TRIP OUT. CHECK FLOW @5039'. NO FLOW. TRIP OUT.
	13:30 - 15:30	2.00	DRLPRO	06	A	P		LAY DOWN MOTOR. PICK UP NEW MOTOR. SCRIBE & PROGRAM MWD. TEST MOTOR.
	15:30 - 17:00	1.50	DRLPRO	06	A	P		TRIP IN TO 2700'. INSTALL STRATA ROTATING RUBBER.
	17:00 - 18:30	1.50	DRLPRO	09	A	P		SLIP & CUT 115' DRLG LINE. SET CROWN O MATIC.
	18:30 - 23:30	5.00	DRLPRO	06	A	P		TRIP IN HOLE. FILL PIPE @ 2700', 4552', 6804', 8618'. WASH 350' TO BOTTOM. 25' OF FILL. 30' FLARE BOTTOMS UP. GAS 6310 UNITS.
	23:30 - 0:00	0.50	DRLPRO	02	B	P		DRLG ROTATE. 11346' TO 11350'. 4' @ 8 FPH. WOB 12K. TD RPM 45. MM RPM 75. PUMPING 470 GPM. PSI ON/OFF 2840/2725. TORQUE ON/OFF 6550/5775. 10 TO 15' FLARE. GAS 2810 UNITS. MUD WT IN/OUT 11.5/10.0. STRATA BACK PRESSURE 100 PSI.
1/27/2012	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLR. ROTATE/SURVEY. 11,350' TO 11'668'. 313' @ 22.4 FPH. WOB 18 TO 20K. TD RPM 45. MM RPM 67. PUMPING 421 GPM. PSI ON/OFF 2520/2370. TORQUE ON/OFF 6720/5890. 4 TO 6' FLARE. GAS 430 UNITS. MUD WT IN/OUT 11.9/11.9. STRATA BACK PRESSURE 80 PSI. 12.03 EMW. HOLE SEEPING. LOST 100 BBL.
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE. FUNCTION BOP.
	14:30 - 20:00	5.50	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 11,668' TO 11,798'. WOB 18 TO 20K. TD RPM 45. MM RPM 67. PUMPING 421 GPM. PSI ON/OFF 2550/2380. TORQUE ON/OFF 7280/6420. 4 TO 6' FLARE. GAS 425 UNITS. MUD WT IN/OUT. 12.0/12.0. STRATA BACK PRESSURE 80 PSI. 12.13 EMW. HOLE SEEPING. LOST 30 BBL.
	20:00 - 20:30	0.50	DRLPRO	08	B	Z		WORK ON PUMP. CHANGE SWAB #1 PUMP. STRATA SHUT IN PRESSURE 165 PSI. 12.3 EMW.
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 11,798' TO 11,01'. WOB 18 TO 20K. TD RPM 45. MM RPM 67. PUMPING 421 GPM. PSI ON/OFF 2560/2370. TORQUE ON/OFF 8260/6420. 4 TO 6' FLARE - 90' FLARE @ 11,870'. GAS 1230. MUD WT. IN/OUT 12.2/12.0. STRATA BACK PRESSURE 85 PSI. 12.3 EMW. HOLE TAKING FLUID FLUID. LOST 30 BBL

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: PROPETRO 11/11, SST 54/54

Event: DRILLING

Start Date: 11/10/2011

End Date: 2/1/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWN/E/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/28/2012	0:00 - 3:00	3.00	DRLPRO	02	B	P		DRLG. ROTATE/SURVEY. 11,901' TO 11,985'. TD. 84' @ 28 FPH. WOB 18 TO 20K. TD RPM 45. MM RPM 67. PUMPING 421 GPM. PSI ON/OFF 2580/2390. TORQUE ON/OFF 8260/6420. 2 TO 4' FLARE. GAS 1280 UNITS. MUD WT IN/OUT. 12.5/11.8. STRATA BACK PRESSURE 80 PSI. HOLE TAKING FLUID. LOST 100 BBL.
	3:00 - 6:00	3.00	DRLPRO	05	B	P		CIRCULATE AND CONDITION MUD. RAISING MUD WT& LCM. HOLE TAKING FLUID. LOST 150 BBL.
	6:00 - 14:00	8.00	DRLPRO	05	B	X		BUILD VOLUME & CONDITION MUD. STRATA CHOKE BROKEN. SHUT IN WELL WITH STRATA MANUAL VALVE. BUILD 300 BBL MUD TO 40 VIS, 12.5 WT, & 20% LCM. STRATA BACK PRESSURE 20 PSI. 12.53 EMW.
	14:00 - 23:30	9.50	DRLPRO	05	B	P		CIRCULATE AND CONDITION MUD. RAISE WT TO 12.6, VIS 40, LCM 25 TO 30%. HOLE SEEPING MUD @ 12.5 WT. LOOSING MUD AT 12.6 WT. LOST 251 BBL.
	23:30 - 0:00	0.50	DRLPRO	06	E	X		WIPER TRIP TO 7500'
1/29/2012	0:00 - 4:30	4.50	DRLPRO	06	E	P		WIPER TRIP TO 7500'. WASH 225' TO BOTTOM. 15' FILL. 20 TO 25' FLARE BOTTOMS UP. 4443 UNITS GAS
	4:30 - 12:00	7.50	DRLPRO	05	B	P		CIRCULATE & CONDITION MUD. BUILD MUD FROM 11.3 WT, 33 VIS, 10% LCM TO 12.4 WT, 40 VIS, 30% LCM.
	12:00 - 21:00	9.00	DRLPRO	06	B	P		SPOT 100 BBL 13.5# MUD ON BOTTOM & TRIP OUT OF HOLE. LAY DOWN DIRECTIONAL TOOLS.
	21:00 - 0:00	3.00	DRLPRO	11	D	X		PJSM. RIG UP & RUN TRIPLE COMBO LOG WITH BAKER ATLAS. TOOL STOOD UP @ 5523'. LOG OUT.
1/30/2012	0:00 - 1:00	1.00	DRLPRO	11	D	X		RIG DOWN BAKER ATLAS WIRELINE
	1:00 - 10:00	9.00	DRLPRO	06	B	X		TRIP IN HOLE AFTER LOGS. WASH TIGHT SPOTS @ 5523' TO 5578'. & 6608' TO 6628'. WASH 400' TO BOTTOM. 15' OF FILL. 4 TO 6' FLARE BOTTOMS UP. GAS 2835 UNITS.
	10:00 - 14:00	4.00	DRLPRO	05	A	X		CIRCULATE AND CONDITION HOLE
	14:00 - 0:00	10.00	DRLPRO	06	E	X		PJSM WITH FRANKS WESTATES. LAY DOWN DP.
1/31/2012	0:00 - 1:30	1.50	DRLPRO	06	E	X		LAY DOWN DP. PULL WEAR RING.
	1:30 - 2:00	0.50	DRLPRO	06	E	X		RIG DOWN LAY DOWN MACHINE
	2:00 - 7:00	5.00	DRLPRO	11	G	P		PJSM. RIG UP BAKER ATLAS WIRELINE & LOG WELL. TOOLS STOOD UP @ 6755'. LOG OUT & RIG DOWN WIRELINE TRUCK.
	7:00 - 8:30	1.50	DRLPRO	12	A	P		PJSM. RIG UP LAY DOWN MACHINE AND CASING CREW.
	8:30 - 22:30	14.00	DRLPRO	12	C	P		RAN 11976.54' OF CASING. 121 JTS OF 4.5", 11.6#, P110, DQX & 166 JTS OF 4.5", 11.6#, P110, LT&C CASING WITH WEATHERFORD GUIDE SHOE AND FLOAT COLLAR LOCATED 1 JT ABOVE SHOE. 25 CENTRALIZERS SPACED 10' ABOVE SHOE, 2ND & 3RD COLLARS, & EVERY 3RD COLLAR TO 9096'. LANDED CASING @ 11,973' KB. FLOAT @ 11,928'. WASH THROUGH BRIDGES 6665' TO 6867'. WASH 2 JTS TO BOTTOM.

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: PROPETRO 11/11, SST 54/54

Event: DRILLING

Start Date: 11/10/2011

End Date: 2/1/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWWNE/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	22:30 - 0:00	1.50	DRLPRO	05	D	P		CIRCULATE CASING WITH RIG PUMP. 25 TO 30' FLARE BOTTOMS UP. 7020 UNITS GAS.
2/1/2012	0:00 - 1:30	1.50	DRLPRO	05	D	P		CIRCULATE CASING WITH RIG PUMP
	1:30 - 5:00	3.50	DRLPRO	12	E	P		PJSM. RIG UP BJ CEMENTERS. CEMENT 4.5" CASING WITH 675 SX LEAD CEMENT WITH PL2, 6% GEL, 5# KOL, 0.4% SMS, .25 #/SX CELLO FLAKE, & 0.7% R-S. TAILED IN WITH 1635 SX 50/50 POZ MIX WITH 10% SALT, 0.2% R-3, 0.05# SF, & 0.002% FP-6L. MIXED LEAD CEMENT @ 12.7 PPG WITH YIELD OF 1.90 CF/SX. MIXED TAIL CEMENT @ 14.3 PPG WITH YIELD OF 1.31 CF/SX. GOOD CIRC.THROUGH OUT JOB. FINAL LIFT PRESSURE 3250 PSI. BUMPED PLUG TO 4350 PSI. FLOATS DID NOT HOLD. PUMP CASING TO 4350 PSI & SHUT IN HEAD.
	5:00 - 10:00	5.00	DRLPRO	13	A	P		WAIT ON CEMENT. & CLEAN PITS, BLEED OFF CASING PRESSURE FLOATS HELD RIG DOWN CEMENT HEAD
	10:00 - 13:00	3.00	DRLPRO	14	A	P		NIPPLE DOWN & SET SLIPS AT 110K STRING WT. 138K MAKE ROUGH CUT ON 4.5 CSG.
	13:00 - 14:00	1.00	DRLPRO	14	A	P		NIPPLE DOWN BOP & STRATA. ****RELEASE RIG 2/1/12@ 14:00 ****

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 920-12B	Wellbore No.	OH
Well Name	NBU 920-12B	Wellbore Name	NBU 920-12B
Report No.	1	Report Date	2/20/2012
Project	UTAH-UINTAH	Site	NBU 920-12B
Rig Name/No.		Event	COMPLETION
Start Date	2/9/2012	End Date	3/12/2012
Spud Date	12/4/2011	Active Datum	RKB @4,697.00usft (above Mean Sea Level)
UWI	NW/NE/0/9/S/20/E/12/O/0/26/PM/N/627/E/0/1964/O/0		

1.3 General

Contractor		Job Method	PERFORATE	Supervisor	
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

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

1.5 Summary

Gross Interval	11,276.0 (usft)-11,732.0 (u	Start Date/Time	
No. of Intervals	18	End Date/Time	
Total Shots	72	Net Perforation Interval	24.00 (usft)
Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
	MESAVERDE/			11,276.0	11,277.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
	MESAVERDE/			11,292.0	11,293.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,347.0	11,348.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,364.0	11,366.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,381.0	11,382.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,410.0	11,411.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,424.0	11,425.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,456.0	11,458.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,481.0	11,482.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,516.0	11,518.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,528.0	11,530.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,541.0	11,542.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,614.0	11,615.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,628.0	11,629.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,642.0	11,643.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,658.0	11,660.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,677.0	11,678.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
	MESAVERDE/			11,730.0	11,732.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: MILES 2/2, GWS 1/1

Event: COMPLETION

Start Date: 2/9/2012

End Date: 3/12/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NW/NE/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/9/2012	11:45 - 12:00	0.25	COMP	48		P		HELD SAFETY MEETING: HIGH PRESSURE FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 13 PSI. PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 44 PSI. 1ST PSI TEST T/ 9000 PSI. HELD FOR 30 MIN LOST 144 PSI. 2ND PSI TEST T/ 7000 PSI. HELD FOR 30 MIN. LOST 93 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. SWFW
	12:00 - 14:00	2.00	COMP	33		P		
2/22/2012	7:00 - 7:15	0.25	COMP	48		P		HSM, SLIPS, TRIPS & FALLS, MOVING RIG ROAD RIG FROM NBU 921-26J3AS, MIRU, SPOT EQUIP, ND WH, NU BOP, RU FLOOR & TBG EQUIP, RU HTR & HOSES & TARPS, SPOT TBG TRAILER INSTAL HAND RAILS ON TRAILER, P/U L-80 TBG, REMOVE THREAD PROTECTORS, TALLY & DRIFT, SWI, SDFN. NOTE: WIND BLOWING HARD TODAY. HSM, SLIPS, TRIPS & FALLS, TRIPPING IN THE WIND FINISH PU TBG, POOH, RD FLOOR, ND BOP, NU FRAC VALVE, RU FLOOR MIRU B & C QUICK TEST, PRESS TEST FRAC VALVE'S, SURFACE CSG VALVE OPEN & LOCKED. FILL SURFACE CSG & 4 1/2" CSG. PRESS TEST FRAC VALVE'S TO 9,000 PSI FOR 10 MIN, HELD NO VISIBLE LEAKS, 4 1/2" CSG HAS ALREADY BEEN TESTED 2/9/2012. NO COMMUNICATION WITH SURFACE CSG, RDMO B & C QUICK TEST. MIRU JW WIRELINE, PERF STG 1) PU 3 1/8 EXP GUN, 23 GRM, .36 HOLE SIZE, 120 DEG PHASING, RIH PERF AS PER DESIGN, POOH, PREP TO FRAC IN AM, DRAIN & WINTERIZE EQUIP, SWI, SDFN. HSM, SLIPS, TRIPS & FALLS, WIRELINE & PRESSURE
	7:15 - 18:00	10.75	COMP	31	I	P		
2/23/2012	7:00 - 7:15	0.25	COMP	48		P		HSM, SLIPS, TRIPS & FALLS, TRIPPING IN THE WIND FINISH PU TBG, POOH, RD FLOOR, ND BOP, NU FRAC VALVE, RU FLOOR MIRU B & C QUICK TEST, PRESS TEST FRAC VALVE'S, SURFACE CSG VALVE OPEN & LOCKED. FILL SURFACE CSG & 4 1/2" CSG. PRESS TEST FRAC VALVE'S TO 9,000 PSI FOR 10 MIN, HELD NO VISIBLE LEAKS, 4 1/2" CSG HAS ALREADY BEEN TESTED 2/9/2012. NO COMMUNICATION WITH SURFACE CSG, RDMO B & C QUICK TEST. MIRU JW WIRELINE, PERF STG 1) PU 3 1/8 EXP GUN, 23 GRM, .36 HOLE SIZE, 120 DEG PHASING, RIH PERF AS PER DESIGN, POOH, PREP TO FRAC IN AM, DRAIN & WINTERIZE EQUIP, SWI, SDFN. HSM, SLIPS, TRIPS & FALLS, WIRELINE & PRESSURE
	7:15 - 12:00	4.75	COMP	31	I	P		
	12:00 - 16:30	4.50	COMP	33	C	P		
2/24/2012	7:00 - 7:15	0.25	COMP	48		P		HSM, SLIPS, TRIPS & FALLS, WIRELINE & PRESSURE

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: MILES 2/2, GWS 1/1

Event: COMPLETION

Start Date: 2/9/2012

End Date: 3/12/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWN/E/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 13:00	5.75	COMP	36	E	P		<p>MIRU SUPERIOR, PRIME UP PUMPS & PRESS TEST LINES TO 10,230 PSI, LOST 2,000 PSI, NO VISIBLE LEAKS, MANUAL POPOFF SET @ 8,850 PSI, SURFACE CSG VALVE OPEN & LOCKED.</p> <p>FRAC STG 1) WHP 2,300 PSI, BRK 5,407 PSI @ 7.1 BPM, ISIP 4,476 PSI, FG .82. CALC PERFS OPEN INJ RATE 46.5 BPM @ 7,805 PSI = 20/24 HOLES OPEN 85%. ISIP 4,311 PSI, FG .81, NPI -165 PSI. MP 8,349 PSI, MR 52.5 BPM, AP 7,004 PSI, AR 52 BPM, PUMPED 30/50 OTTAWA SAND. SWI, X-OVER FOR WL. ((DISCHARGE LINE OFF BLENDER WASHED OUT HAD TO WAIT ON WELDER.))</p>
	13:00 - 17:30	4.50	COMP	36	E	P		<p>PERF STG 2) PU 4 1/2" 10K HAL CBP & 3 1/8 EXP GUN, 23 GRM, .36 HOLE SIZE. 120 DEG PHASING, RIH STACKED OUT @ 11,498', 74' ABOVE WHERE PLUG WAS TO BE SET, OPENED WELL TO TANK TO FREE PLUG ((NO LUCK)), PUMP DOWN WELL TO FREE PLUG ((NO LUCK)), SET STUCK PLUG @ 11,498' COULD NOT PULL OFF PLUG, PULLED OUT OF ROPE SOCKET @ 3,600 LBS LEAVING ROPE SOCKET & PERF GUNS IN WELL, POOH, RD WIRELINE & FRAC CREW.</p> <p>TOTAL SAND = 79,551 LBS TOTAL CLFL = 3,367 BBLS SCALE = 200 GALLONS BIOCIDE = 67 GALLONS</p>
2/27/2012	7:00 - 7:15	0.25	COMP	48		P		RD FLOOR, ND FRAC VALVE, NU BOP, RU FLOOR, SW, WILL FISH PERF GUNS ON MONDAY, SDFWE. HSM, SLIPS, TRIPS & FALLS, TRIPPING TBG
	7:15 - 17:30	10.25	COMP	31	B	P		<p>SICP 1,850 PSI, BLEED WELL DOWN, PU 3 7/8" O.D. OVERSHOT W/ 1 7/16" GRAPPLE WOULD NOT GO THRU TBG HEAD, CALLED FOR 3 3/4" O.D. OVERSHOT, PU 3 3/4" OVERSHOT, BUMPER SUB, JARS, DRAIN SUB, STRING FLOAT, RIH W/ TBG TO TOP OF FISH @ 11,468', WASH OVER & LATCH ONTO FISH PULLED 10K OVER LET JARS GO OFF, PULL 15K OVER FOR 20' FISH CAME FREE, POOH W/ FISH, L/D FISH & FISHING TOOLS, SWI, DRAIN & WINTERIZE EQUIP, SDFN.</p>
2/28/2012	7:00 - 7:15	0.25	COMP	48		P		HSM, SLIPS, TRIPS & FALLS, TRIPPING TBG IN THE SNOW

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: MILES 2/2, GWS 1/1

Event: COMPLETION

Start Date: 2/9/2012

End Date: 3/12/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWN/E/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 18:00	10.75	COMP	31	I	P		<p>SICP 0 PSI, PU 3 7/8" BIT, POBS, XN S/N, RIH W/ TBG, RU P/S, FILL TBG BREAK CIRC, P/T BOP TO 4,500 PSI FOR 15 MIN, TEST GOOD, D/O STUCK PLUG, SURFACE CSG VALVE OPEN & LOCKED.</p> <p>C/O 20' SAND, TAG STUCK PLUG @ 11,498' DRL PLUG IN 11 MIN. 1,500 PSI INCREASE RIH, CSG PRESS 500 PSI. AFTER DRLG PLUG IT FELL APPROX 2' STARTED DRLG AGAIN BECAME STUCK COULD ROTATE & MOVE UP & DOWN APPROX 2' WORKED PIPE UP & DOWN FINALLY WORKED FREE UP AFTER 2 HRS WORKING PIPE.</p> <p>PBTD @ 11,928', BTM PERF @ 11,732', RIH TAGGED @ 11,735', C/O TO 11,852', 120' PAST BTM PERF W/ 373 JTS 2 3/8" L-80 TBG, LD 13 JTS, PU & STRIP IN TBG HANGER & LAND TBG W/ 360 JTS 2 3/8" L-80, EOT 11,437.60'.</p> <p>RD POWER SWIVEL, FLOOR & TBG EQUIP, ND BOPS, NU WH, DROP BALL TO SHEAR OFF BIT W/ 3,000 PSI, LET BIT FALL FOR 20 MIN. P/T FLOW LINE FROM WH TO HAL 9000 TO 4,500 PSI, W/ RIG PUMP, TEST GOOD, NO VISIBLE LEAKS.</p> <p>TURN OVER TO FLOW BACK CREW. RD & MOVE IN AM, SDFN.</p> <p>KB= 18' 4 1/16" WEATHERFORD HANGER= .83' TBG DELIVERED 370 JTS 360 JTS 2 3/8" L-80 = 11,416.57' TBG USED 360 JTS POBS= 2.20' TBG RETURNED 10 JTS EOT @ 11,437.60'</p> <p>TWTR= 3,367 BBLs TWR= 600 BBLs TWLTR= 2,767 BBLs BOP'S</p>
3/5/2012	7:00 - 7:30	0.50	COMP	48		P		<p>MIRU,BLOW DWN WELL, KILL WELL WITH 00 BBLs DWN TBG, 00 BBLs DWN CSG, NDWH, NU BOP'S, TEST BOP'S, UNLAND TBG, INSTALL TBG TIW VALVE, SWIFN POOH TBG</p>
	7:30 - 16:30	9.00	COMP	31		P		
3/6/2012	7:00 - 7:30	0.50	COMP	48		P		<p>2900 PSI IN WELL,BLEED OFF TO FB TK,KILL TBG W/20 BBLs OF BRINE ,KILL CSG W/30 BBLs OF BRINE.POOH STD BK 180 STANDS IN DERRICK L/D BHA.R/U CUTTERS P/U GAUGE RING, RIH TO 11,590' POOH L/D GAUGE RING P/U 4 1/2 10K CBP RIH TO SET@ 11,572' POOH L/D TOOLS R/D CUTTERS. SWIFN TIH W/TBG</p>
	7:30 -		COMP	34		P		
3/7/2012	7:00 - 7:30	0.50	COMP	48		P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: MILES 2/2, GWS 1/1

Event: COMPLETION

Start Date: 2/9/2012

End Date: 3/12/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWN/E0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 16:00	8.50	COMP	31		P		TALLY TBG.RIH TO @ 11,544.22' 364 JTS IN HOLE FILL WELL W/TMAC CIRC W/180 BBLs .POOH STAND BACK 175 STDS, LD BALANCE ON TLR, ND BOP'S, NU FRAC VALVE, SWIFN PERFORATING
3/8/2012	7:00 - 7:30	0.50	COMP	48		P		STAGE# 2 MIRU B & C QUICK TEST, PRESS TEST FRAC VALVE'S, SURFACE CSG VALVE OPEN & LOCKED. FILL SURFACE CSG & 4 1/2" CSG. PRESS TEST FRAC VALVE'S TO 9,000 PSI FOR 10 MIN, HELD NO VISIBLE LEAKS, 4 1/2" CSG HAS ALREADY BEEN TESTED 2/9/2012. NO COMMUNICATION WITH SURFACE CSG, RDMO B & C QUICK TEST. MIRU CUTTERS WIRELINE, PERF STG 2) PU 3 1/8 EXP GUN, 23 GRM, .36 HOLE SIZE, 120 DEG PHASING, RIH PERF AS PER DESIGN, POOH, PREP TO FRAC IN AM, DRAIN & WINTERIZE EQUIP, SWI, SDFN.
	7:30 - 16:00	8.50	COMP	37		P		
3/9/2012	7:00 - 7:30	0.50	COMP	48		P		FRACING

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: MILES 2/2, GWS 1/1

Event: COMPLETION

Start Date: 2/9/2012

End Date: 3/12/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWNNE/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 17:00	9.50	COMP	36		P		<p>MIRU SUPERIOR, PRIME UP PUMPS & PRESS TEST LINES TO 10,230 PSI, LOST 2,000 PSI, NO VISIBLE LEAKS, MANUAL POPOFF SET @ 8,850 PSI, SURFACE CSG VALVE OPEN & LOCKED.</p> <p>FRAC STG 2) WHP 1588 PSI, BRK 4264 PSI @ 7.1 BPM, ISIP 3292 PSI, FG .72. CALC PERFS OPEN INJ RATE 49.8 BPM @ 7,244 PSI = 19/24 HOLES OPEN 80%. ISIP 4,034 PSI, FG .79, NPI 842 PSI. MP 7,632 PSI, MR 52.4 BPM, AP 6867 PSI, AR 50.1 BPM, PUMPED 30/50 OTTAWA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 3) PU 4 1/2" 10K HAL CBP & 3 1/8 EXP GUN, 23 GRM, .36 HOLE SIZE. 120 DEGREE PHASING, SET B10K CBP 11,3440', PERF AS PER DESIGN</p> <p>FRAC STG 3) WHP 3129 PSI, BRK 4709 PSI @ 4.6 BPM, ISIP 4062 PSI, FG .80. CALC PERFS OPEN INJ RATE 49.8 BPM @ 7,244 PSI = 24/24 HOLES OPEN 100%</p> <p>ISIP 4,034 PSI, FG .79, NPI -128 PSI. MP 8,458 PSI, MR 51.3 BPM, AP 7,192 PSI, AR 48.7 BPM, PUMPED 30/50 OTTAWA SAND. SWI, X-OVER FOR WL.</p> <p>RU WL, PU 8K CBP TIH TO 11,226', SET KILL PLUG, RD CUTTERS, SUPERIOR, SWIFWE</p> <p>TOTAL SAND = 285,281 LBS WHITE SAND TOTAL CLFL= 11,542 BBLS SCALE = 346 GALLONS BIOCIDE = 139GALLONS</p>
3/12/2012	7:00 - 7:30	0.50	COMP	48		P		<p>SWIFN DRILL OUT MONDAY DRILLING PLUGS</p>

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-12B

Spud Date: 12/4/2011

Project: UTAH-UINTAH

Site: NBU 920-12B

Rig Name No: MILES 2/2, GWS 1/1

Event: COMPLETION

Start Date: 2/9/2012

End Date: 3/12/2012

Active Datum: RKB @4,697.00usft (above Mean Sea Level)

UWI: NWN/E/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 17:00	9.50	COMP	44		P		ND FRAC VALVE, NU 10K BOP'S, TEST TO 7500#, TIH TBG TO 11226', DRILL CBP'S, AT 11226',11,440', AND 11,572', TIH TO PBTD, C/O TO 11,928', POOH LD 360 JTS, TO11,426.01, LAND TBG, ND BOP'S, NU WH, POBS, 4000#, TURN TO PROD. PLUG# 1 11,572' 20' SAND 5 MIN 1200# KICK PLUG# 2 11,440' 10' SAND 5 MIN 800# KICK PLUG# 3 11,226' 30' SAND 5 MIN 200# KICK PBTD 11,928' BTM PERF 11,732' TBG 360 11,404.98' HANGER .83' KB 18.00' XNSN 2.20' EOT 11,426.01' FRAC WATER 14,908 BBLS RCVD 4900 BBLS LTR 10,008 BBLS WELL TURNED TO SALES AT 1700 HR ON 3/12/2012 - 650 MCFD, 2640 BWPD, FCP 2925#, FTP 2175# 20/64 CK WELL IP'D ON 3/15/12 - 1963 MCFD, 0 BOPD, 866 BWPD, CP 2357#, FTP 1277#, CK 18/64", LP 184#, 24 HRS
	17:00 - 17:00	0.00	PROD	50				
3/15/2012	7:00 -		PROD	50				

1 General**1.1 Customer Information**

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 920-12B	Wellbore No.	OH
Well Name	NBU 920-12B	Common Name	NBU 920-12B
Project	UTAH-UINTAH	Site	NBU 920-12B
Vertical Section Azimuth	0.00 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	12/4/2011	UWI	NW/NE/0/9/S/20/E/12/0/0/26/PM/N/627/E/0/1964/ 0/0
Active Datum	RKB @4,697.00usft (above Mean Sea Level)		

2 Survey Name**2.1 Survey Name: Survey #1**

Survey Name	Survey #1	Company	WEATHERFORD
Started	12/3/2011	Ended	
Tool Name	MWD	Engineer	Anadarko Employee

2.1.1 Tie On Point

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)
14.00	0.00	0.00	14.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	TFace (°)
12/3/2011	Tie On	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/4/2011	NORMAL	183.00	0.89	51.12	182.99	0.82	1.02	0.82	0.53	0.53	0.00	51.12
	NORMAL	270.00	1.28	113.43	269.98	0.86	2.44	0.86	1.35	0.45	71.62	104.59
	NORMAL	354.00	0.31	60.23	353.97	0.60	3.50	0.60	1.34	-1.15	-63.33	-167.22
	NORMAL	654.00	0.06	339.86	653.97	1.15	4.15	1.15	0.10	-0.08	-26.79	-168.84
12/5/2011	NORMAL	954.00	0.25	96.11	953.97	1.23	4.74	1.23	0.09	0.06	38.75	127.26
	NORMAL	1,254.00	0.38	100.36	1,253.96	0.98	6.37	0.98	0.04	0.04	1.42	12.32
	NORMAL	1,554.00	0.94	111.99	1,553.94	-0.12	9.63	-0.12	0.19	0.19	3.88	19.31
	NORMAL	1,854.00	0.94	133.36	1,853.90	-2.73	13.71	-2.73	0.12	0.00	7.12	100.68
	NORMAL	2,154.00	0.94	160.24	2,153.87	-6.74	16.33	-6.74	0.15	0.00	8.96	103.44
	NORMAL	2,454.00	1.13	174.61	2,453.82	-12.00	17.44	-12.00	0.11	0.06	4.79	61.12
	NORMAL	2,754.00	1.44	186.86	2,753.74	-18.68	17.26	-18.68	0.14	0.10	4.08	47.78
12/6/2011	NORMAL	3,089.00	1.72	241.52	3,088.63	-25.26	12.34	-25.26	0.44	0.08	16.32	107.59

2.2 Survey Name: Survey #2

Survey Name	Survey #2	Company	LEAM
Started	1/18/2012	Ended	
Tool Name	EM	Engineer	Anadarko Employee

2.2.1 Tie On Point

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)
3,089.00	1.72	241.52	3,088.63	-25.26	12.34

2.2.2 Survey Stations

Date	Type	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	TFace (°)
1/18/2012	Tie On	3,089.00	1.72	241.52	3,088.63	-25.26	12.34	-25.26	0.00	0.00	0.00	0.00
1/18/2012	NORMAL	3,138.00	1.45	242.56	3,137.61	-25.90	11.15	-25.90	0.55	-0.55	2.12	174.44
	NORMAL	3,233.00	2.15	285.63	3,232.57	-25.97	8.36	-25.97	1.55	0.74	45.34	85.29
	NORMAL	3,328.00	1.93	289.76	3,327.51	-24.95	5.14	-24.95	0.28	-0.23	4.35	148.30
	NORMAL	3,424.00	2.33	300.13	3,423.44	-23.42	1.93	-23.42	0.58	0.42	10.80	49.20
	NORMAL	3,519.00	1.76	294.16	3,518.38	-21.86	-1.07	-21.86	0.64	-0.60	-6.28	-162.47
	NORMAL	3,614.00	2.94	315.43	3,613.30	-19.53	-4.11	-19.53	1.52	1.24	22.39	47.41
	NORMAL	3,710.00	2.37	308.57	3,709.20	-16.53	-7.39	-16.53	0.68	-0.59	-7.15	-154.26
	NORMAL	3,804.00	2.85	323.77	3,803.10	-13.44	-10.29	-13.44	0.89	0.51	16.17	63.01
	NORMAL	3,899.00	2.55	321.40	3,898.00	-9.88	-13.01	-9.88	0.34	-0.32	-2.49	-160.77
	NORMAL	3,993.00	2.72	340.21	3,991.90	-6.15	-15.07	-6.15	0.93	0.18	20.01	88.37
	NORMAL	4,089.00	1.98	332.30	4,087.82	-2.54	-16.61	-2.54	0.84	-0.77	-8.24	-160.25
	NORMAL	4,184.00	1.27	351.37	4,182.78	-0.04	-17.53	-0.04	0.93	-0.75	20.07	151.98
	NORMAL	4,280.00	1.10	310.33	4,278.76	1.61	-18.39	1.61	0.88	-0.18	-42.75	-121.37
1/19/2012	NORMAL	4,375.00	1.85	309.80	4,373.73	3.18	-20.26	3.18	0.79	0.79	-0.56	-1.31
	NORMAL	4,471.00	1.93	334.23	4,469.68	5.63	-22.16	5.63	0.84	0.08	25.45	96.62
	NORMAL	4,566.00	1.19	322.63	4,564.64	7.85	-23.45	7.85	0.84	-0.78	-12.21	-162.62
	NORMAL	4,662.00	1.63	329.05	4,660.61	9.81	-24.76	9.81	0.49	0.46	6.69	22.98
	NORMAL	4,757.00	1.76	330.37	4,755.57	12.24	-26.18	12.24	0.14	0.14	1.39	17.38
	NORMAL	4,851.00	1.19	318.50	4,849.54	14.23	-27.54	14.23	0.68	-0.61	-12.63	-157.65
	NORMAL	4,947.00	1.80	353.04	4,945.51	16.47	-28.38	16.47	1.11	0.64	35.98	73.99
	NORMAL	5,041.00	1.27	346.19	5,039.48	18.95	-28.81	18.95	0.60	-0.56	-7.29	-164.31
	NORMAL	5,136.00	3.08	351.99	5,134.40	22.50	-29.41	22.50	1.92	1.91	6.11	9.84
	NORMAL	5,231.00	2.29	346.45	5,229.30	26.87	-30.21	26.87	0.87	-0.83	-5.83	-164.57
	NORMAL	5,326.00	2.68	345.04	5,324.21	30.86	-31.23	30.86	0.42	0.41	-1.48	-9.61
	NORMAL	5,422.00	2.24	341.09	5,420.12	34.80	-32.42	34.80	0.49	-0.46	-4.11	-160.89
	NORMAL	5,518.00	1.76	338.89	5,516.06	37.95	-33.56	37.95	0.51	-0.50	-2.29	-172.01
	NORMAL	5,613.00	2.94	336.69	5,610.98	41.55	-35.05	41.55	1.25	1.24	-2.32	-5.47
	NORMAL	5,709.00	2.24	337.05	5,706.88	45.54	-36.75	45.54	0.73	-0.73	0.38	178.85
	NORMAL	5,804.00	1.76	334.85	5,801.82	48.57	-38.10	48.57	0.51	-0.51	-2.32	-172.01
	NORMAL	5,899.00	3.16	340.30	5,896.73	52.36	-39.60	52.36	1.49	1.47	5.74	12.22
	NORMAL	5,994.00	2.50	344.52	5,991.62	56.82	-41.04	56.82	0.73	-0.69	4.44	164.58
	NORMAL	6,089.00	2.15	337.84	6,086.54	60.47	-42.26	60.47	0.47	-0.37	-7.03	-145.56
	NORMAL	6,185.00	1.27	341.70	6,182.49	63.14	-43.27	63.14	0.92	-0.92	4.02	174.47
	NORMAL	6,280.00	1.41	339.07	6,277.47	65.24	-44.02	65.24	0.16	0.15	-2.77	-25.03
	NORMAL	6,375.00	0.92	341.88	6,372.45	67.05	-44.68	67.05	0.52	-0.52	2.96	174.75
	NORMAL	6,470.00	0.70	336.43	6,467.44	68.31	-45.15	68.31	0.25	-0.23	-5.74	-163.41
	NORMAL	6,565.00	0.57	2.53	6,562.43	69.31	-45.36	69.31	0.33	-0.14	27.47	126.88
	NORMAL	6,661.00	0.53	6.14	6,658.43	70.23	-45.29	70.23	0.06	-0.04	3.76	140.89
1/20/2012	NORMAL	6,755.00	0.09	9.30	6,752.43	70.74	-45.23	70.74	0.47	-0.47	3.36	179.35
	NORMAL	6,850.00	0.13	164.69	6,847.43	70.71	-45.19	70.71	0.23	0.04	163.57	165.42
	NORMAL	6,946.00	0.35	149.40	6,943.43	70.35	-45.01	70.35	0.24	0.23	-15.93	-23.97
	NORMAL	7,041.00	1.01	162.23	7,038.42	69.30	-44.61	69.30	0.71	0.69	13.51	19.46

2.2.2 Survey Stations (Continued)

Date	Type	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	TFace (°)
1/20/2012	NORMAL	7,136.00	1.36	173.04	7,133.40	67.38	-44.22	67.38	0.44	0.37	11.38	38.05
	NORMAL	7,232.00	1.41	165.75	7,229.37	65.11	-43.79	65.11	0.19	0.05	-7.59	-77.82
	NORMAL	7,327.00	1.85	167.77	7,324.33	62.48	-43.18	62.48	0.47	0.46	2.13	8.45
	NORMAL	7,423.00	1.36	187.54	7,420.30	59.83	-43.00	59.83	0.76	-0.51	20.59	141.10
	NORMAL	7,518.00	0.40	237.29	7,515.28	58.54	-43.42	58.54	1.20	-1.01	52.37	164.51
	NORMAL	7,613.00	0.79	216.20	7,610.28	57.83	-44.09	57.83	0.46	0.41	-22.20	-40.14
	NORMAL	7,708.00	0.75	199.85	7,705.27	56.72	-44.69	56.72	0.23	-0.04	-17.21	-108.42
	NORMAL	7,804.00	1.14	182.89	7,801.26	55.17	-44.95	55.17	0.50	0.41	-17.67	-44.33
	NORMAL	7,899.00	0.92	177.26	7,896.24	53.47	-44.96	53.47	0.25	-0.23	-5.93	-158.09
	NORMAL	7,995.00	0.31	271.66	7,992.24	52.70	-45.18	52.70	1.03	-0.64	98.33	161.87
1/21/2012	NORMAL	8,090.00	0.22	186.75	8,087.24	52.53	-45.46	52.53	0.38	-0.09	-89.38	-142.97
	NORMAL	8,186.00	0.57	174.45	8,183.23	51.87	-45.44	51.87	0.37	0.36	-12.81	-19.82
	NORMAL	8,281.00	0.57	158.89	8,278.23	50.96	-45.22	50.96	0.16	0.00	-16.38	-97.78
	NORMAL	8,376.00	0.92	158.72	8,373.22	49.81	-44.77	49.81	0.37	0.37	-0.18	-0.45
1/22/2012	NORMAL	8,466.00	0.97	164.17	8,463.21	48.40	-44.30	48.40	0.11	0.06	6.06	63.66
	NORMAL	8,562.00	1.05	159.42	8,559.19	46.80	-43.77	46.80	0.12	0.08	-4.95	-48.70
	NORMAL	8,657.00	0.83	156.52	8,654.18	45.35	-43.19	45.35	0.24	-0.23	-3.05	-169.24
	NORMAL	8,753.00	1.01	147.03	8,750.17	44.00	-42.45	44.00	0.25	0.19	-9.89	-45.06
	NORMAL	8,848.00	1.36	151.25	8,845.15	42.31	-41.46	42.31	0.38	0.37	4.44	16.12
	NORMAL	8,943.00	1.45	154.06	8,940.12	40.24	-40.39	40.24	0.12	0.09	2.96	38.85
	NORMAL	9,038.00	1.63	154.06	9,035.09	37.95	-39.27	37.95	0.19	0.19	0.00	0.00
	NORMAL	9,132.00	1.63	160.03	9,129.05	35.49	-38.23	35.49	0.18	0.00	6.35	92.98
	NORMAL	9,227.00	1.89	157.13	9,224.00	32.78	-37.16	32.78	0.29	0.27	-3.05	-20.36
	NORMAL	9,322.00	0.70	195.28	9,318.98	30.77	-36.70	30.77	1.48	-1.25	40.16	162.11
	NORMAL	9,417.00	0.53	336.52	9,413.98	30.62	-37.03	30.62	1.22	-0.18	148.67	163.40
	NORMAL	9,513.00	0.57	0.07	9,509.97	31.50	-37.21	31.50	0.24	0.04	24.53	91.88
1/23/2012	NORMAL	9,607.00	0.26	343.99	9,603.97	32.17	-37.27	32.17	0.35	-0.33	-17.11	-167.32
	NORMAL	9,703.00	0.09	101.06	9,699.97	32.37	-37.25	32.37	0.32	-0.18	121.95	165.09
	NORMAL	9,798.00	0.35	170.41	9,794.97	32.07	-37.13	32.07	0.35	0.27	73.00	84.17
	NORMAL	9,894.00	0.66	201.26	9,890.96	31.26	-37.28	31.26	0.42	0.32	32.14	57.38
	NORMAL	9,989.00	0.79	187.63	9,985.96	30.10	-37.57	30.10	0.23	0.14	-14.35	-59.94
	NORMAL	10,084.00	0.57	207.06	10,080.95	29.03	-37.87	29.03	0.33	-0.23	20.45	143.09
	NORMAL	10,180.00	0.44	223.67	10,176.95	28.34	-38.34	28.34	0.20	-0.14	17.30	139.71
	NORMAL	10,275.00	0.66	356.70	10,271.94	28.62	-38.63	28.62	1.07	0.23	140.03	151.55
	NORMAL	10,370.00	0.48	170.23	10,366.94	28.78	-38.59	28.78	1.20	-0.19	182.66	177.28
	NORMAL	10,465.00	1.32	150.10	10,461.93	27.44	-37.98	27.44	0.93	0.88	-21.19	-30.89
	NORMAL	10,560.00	1.76	151.60	10,556.90	25.21	-36.74	25.21	0.47	0.46	1.58	5.98
1/24/2012	NORMAL	10,656.00	1.80	153.35	10,652.85	22.56	-35.36	22.56	0.07	0.04	1.82	54.53
	NORMAL	10,751.00	1.98	156.26	10,747.80	19.73	-34.03	19.73	0.21	0.19	3.06	29.53
	NORMAL	10,847.00	1.80	173.92	10,843.75	16.71	-33.20	16.71	0.63	-0.19	18.40	115.87
	NORMAL	10,943.00	1.85	173.04	10,939.70	13.67	-32.86	13.67	0.06	0.05	-0.92	-29.71
1/25/2012	NORMAL	11,038.00	1.98	172.34	11,034.64	10.52	-32.45	10.52	0.14	0.14	-0.74	-10.55
	NORMAL	11,133.00	2.11	163.73	11,129.58	7.22	-31.74	7.22	0.35	0.14	-9.06	-71.41
	NORMAL	11,228.00	2.37	162.58	11,224.51	3.66	-30.66	3.66	0.28	0.27	-1.21	-10.38
1/27/2012	NORMAL	11,318.00	2.42	161.97	11,314.43	0.08	-29.52	0.08	0.06	0.06	-0.68	-27.32
	NORMAL	11,414.00	2.46	160.30	11,410.35	-3.79	-28.20	-3.79	0.08	0.04	-1.74	-61.47
	NORMAL	11,509.00	2.59	159.95	11,505.25	-7.72	-26.77	-7.72	0.14	0.14	-0.37	-6.94
	NORMAL	11,604.00	2.59	160.56	11,600.16	-11.76	-25.32	-11.76	0.03	0.00	0.64	90.30
	NORMAL	11,700.00	2.59	158.98	11,696.06	-15.83	-23.82	-15.83	0.07	0.00	-1.65	-90.79
	NORMAL	11,796.00	2.55	160.83	11,791.96	-19.87	-22.34	-19.87	0.10	-0.04	1.93	116.67
1/28/2012	NORMAL	11,891.00	2.55	160.91	11,886.87	-23.87	-20.96	-23.87	0.00	0.00	0.08	90.04
	NORMAL	11,926.00	2.64	161.44	11,921.83	-25.37	-20.45	-25.37	0.27	0.26	1.51	15.19
	NORMAL	11,985.00	2.64	161.44	11,980.77	-27.94	-19.58	-27.94	0.00	0.00	0.00	0.00