

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="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		1. WELL NAME and NUMBER NBU 920-12P				
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		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-0144868A		9. OPERATOR E-MAIL mary.mondragon@anadarko.com				
11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>				
19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>						
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	659 FSL 471 FEL	SESE	12	9.0 S	20.0 E	S
Top of Uppermost Producing Zone	659 FSL 471 FEL	SESE	12	9.0 S	20.0 E	S
At Total Depth	659 FSL 471 FEL	SESE	12	9.0 S	20.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 471		23. NUMBER OF ACRES IN DRILLING UNIT 40		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000		26. PROPOSED DEPTH MD: 10650 TVD:		
27. ELEVATION - GROUND LEVEL 4729		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 Kevin McIntyre	TITLE Regulatory Analyst I	PHONE 720 929-6226
SIGNATURE	DATE 09/25/2008	EMAIL Kevin.McIntyre@anadarko.com
API NUMBER ASSIGNED 43047501530000	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	215	1.18	15.6

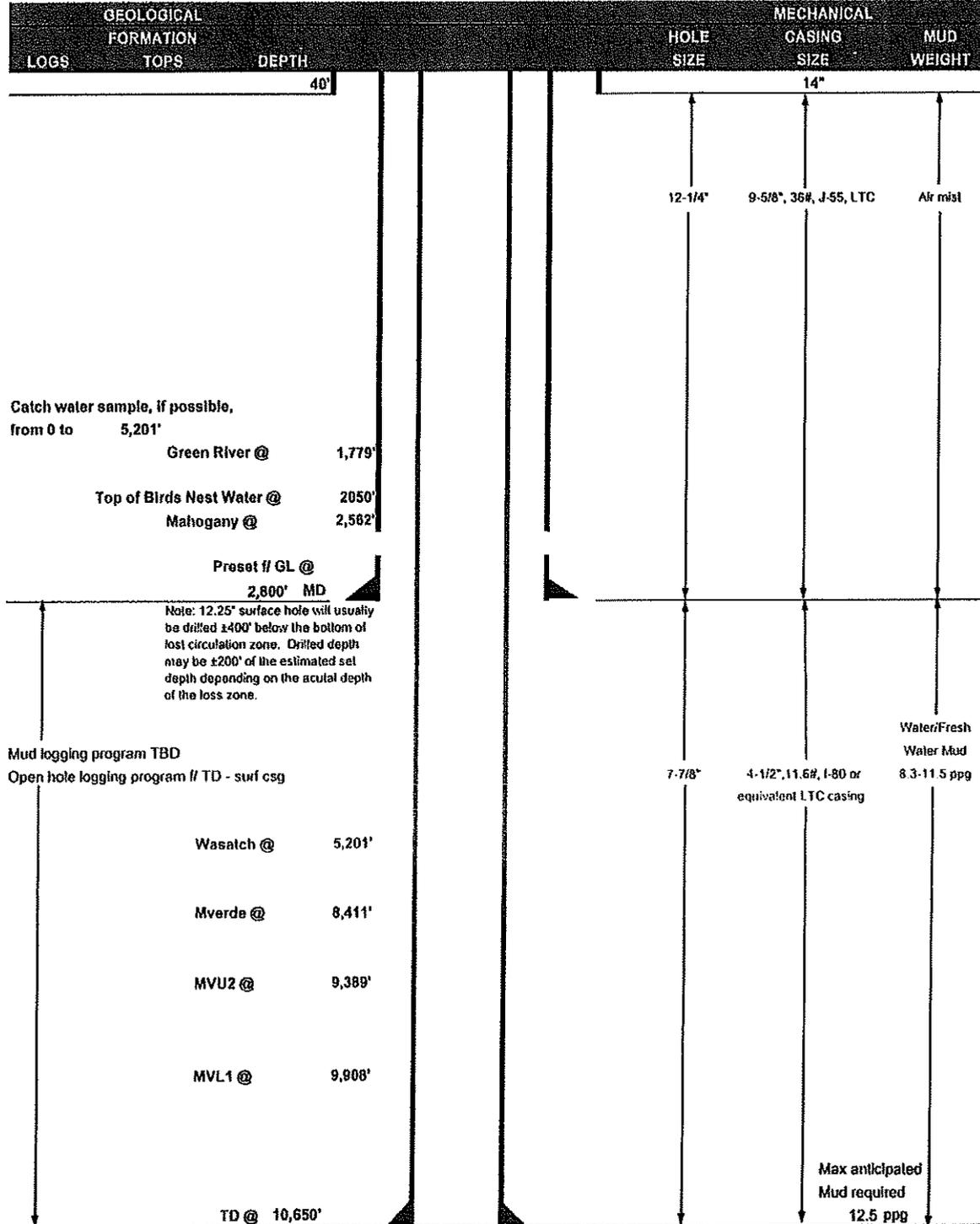
Proposed Hole, Casing, and Cement

String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	10650		
Pipe	Grade	Length	Weight			
	Grade I-80 LT&C	10650	11.6			
	Cement Interval	Top (MD)	Bottom (MD)			
		0	10650			
		Cement Description	Class	Sacks	Yield	Weight
			Premium Lite High Strength	510	3.38	11.0
			Pozzuolanic Cement	1660	1.31	14.3



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	September 11, 2008
WELL NAME	NBU 920-12P	TD	10,650' MD/TVD
FIELD	Natural Buttes	COUNTY	Utah
		STATE	Utah
		ELEVATION	4,729' GL KB 4,744'
SURFACE LOCATION	SESE 650' FSL & 471' FEL, Sec. 12, T 9S R 20E		BHL
	Latitude: 40.044730	Longitude: -109.806920	NAD 27
OBJECTIVE ZONE(S)	Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: BLM (MINERALS), BIA (SURFACE), UDOGM, Tri-County Health Dept.		



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	0.77	1.54	5.13
PRODUCTION	4-1/2"	0 to 10650	11.60	1-80	LTC	1.70	0.92	1.86

- 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 4280 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,700'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	11.00	3.38
	TAIL	5,950'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1660	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 jl, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jl, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

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

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

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

DRILLING ENGINEER: _____
 Brad Laney

DRILLING SUPERINTENDENT: _____
 Randy Bayne

DATE: _____
 DATE: _____

**NBU 920-12P
SESE Sec. 12, T9S,R20E
UINTAH COUNTY, UTAH
UTU-0144868A**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1779'
Bird's Nest	2050'
Mahogany	2562'
Wasatch	5201'
Mesaverde	8411'
MVU2	9389'
MVL1	9908'
TD	10,650'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1779'
	Bird's Nest	2050'
	Mahogany	2562'
Gas	Wasatch	5201'
Gas	Mesaverde	8411'
Gas	MVU2	9389'
Gas	MVL1	9908'
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. See attached drilling diagram.

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 10,650' TD, approximately equals 6603 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4260 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

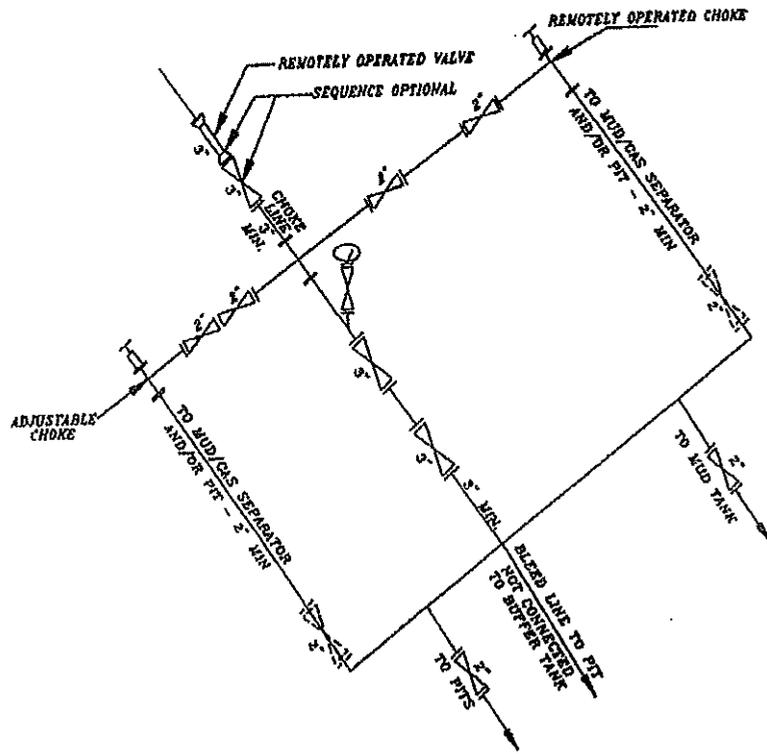
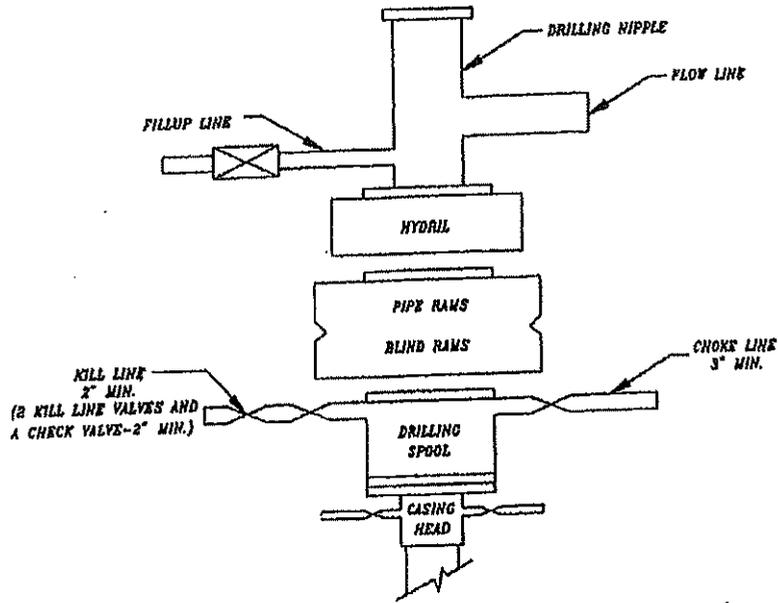
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above..

10. **Other Information:**

Please see Natural Buttes Unit SOP.

NBU 920-12P

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

NBU 920-12P
SESE Sec. 12 ,T9S,R20E
UINTAH COUNTY, UTAH
UTU-0144868A

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:

Approximately 770' +/- of new access road is proposed. 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.

A right-of-way is required for the pipeline. The pipeline is approximately 1,651' in length and 30' in width. A 4" surface steel pipeline will be constructed utilizing existing disturbance where possible. The pipeline will be butt-welded together and pulled into place with a rubber tired tractor.

Variations to Best Management Practices (BMPs) Requested:

Approximately 1,651' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

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 (2.5Y 6/2), 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.

Upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for *drilled* seed are:

Crested Wheatgrass 12 lbs.

Operator shall call the BLM 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 and a paleontological survey have been performed and will be submitted.

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:

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

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

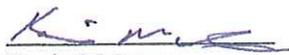
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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.

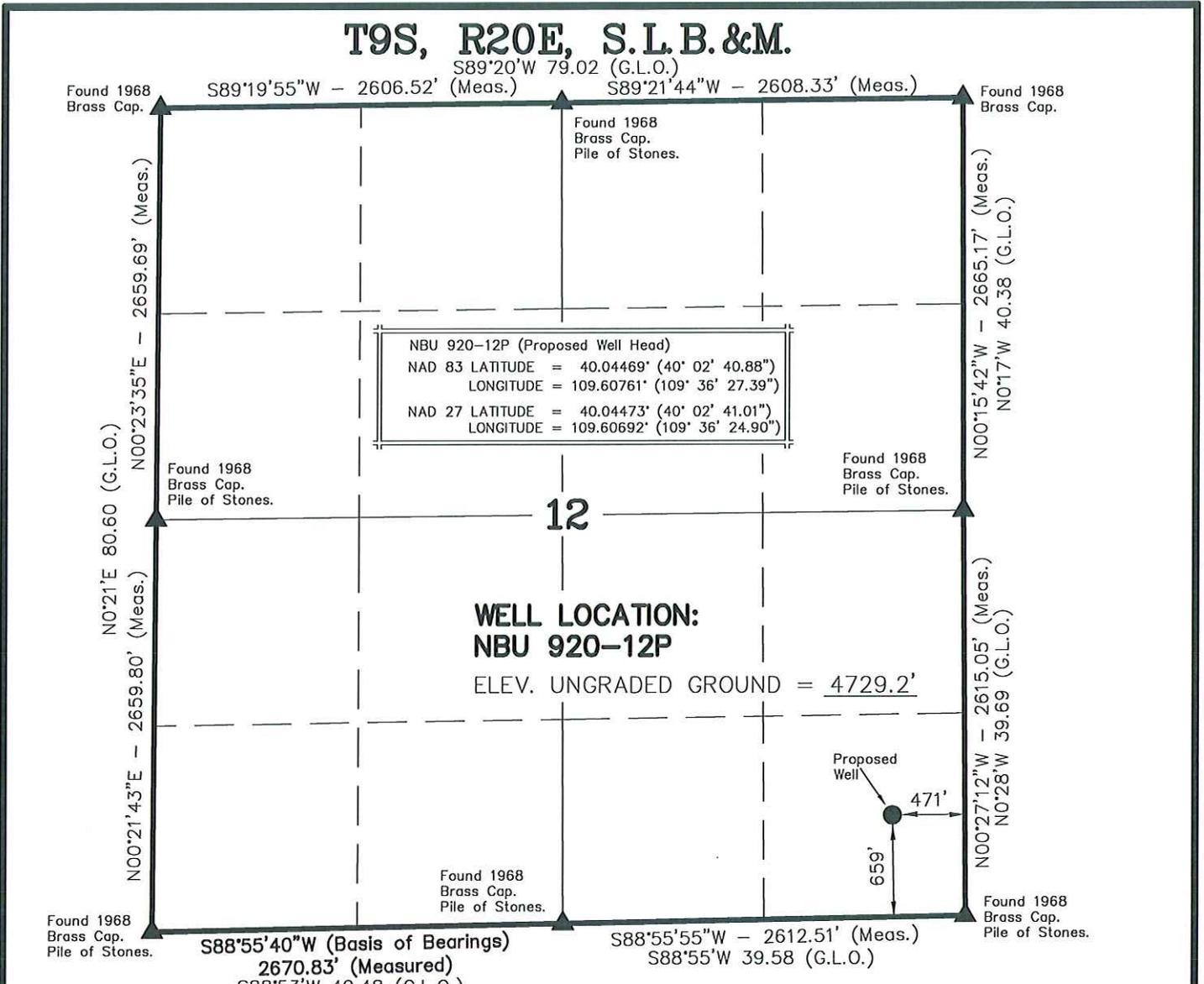
Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that 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.


Kevin McIntyre

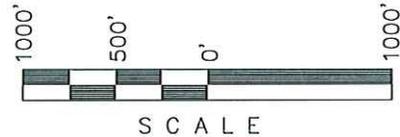
9/11/2008
Date

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



NOTES:

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



SURVEYOR'S CERTIFICATE

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

John B. Slauch
 No. 6028691
 JOHN B. SLAUGH
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 6028691
 STATE OF UTAH

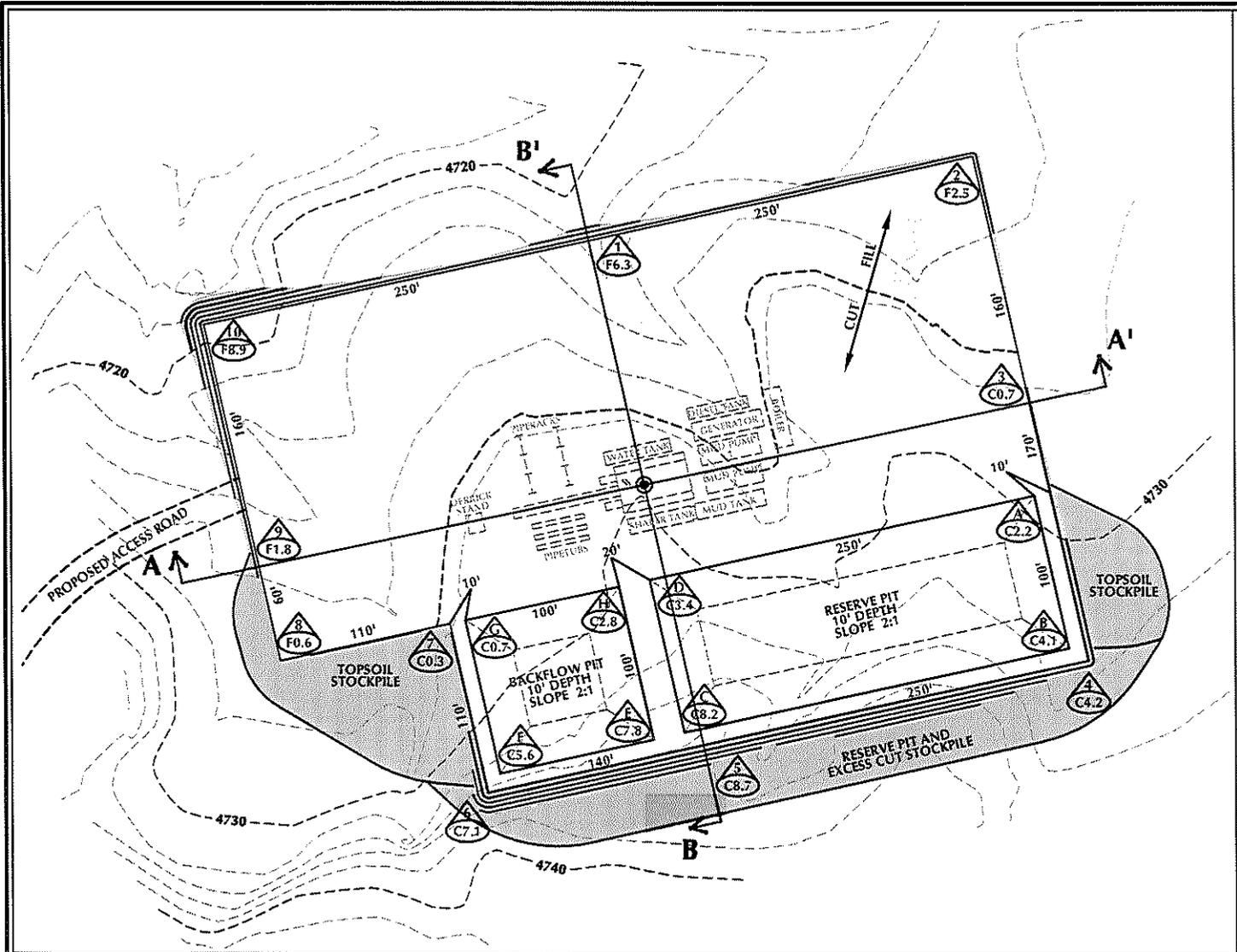
Kerr-McGee
Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

NBU 920-12P
 WELL PLAT
 659' FSL, 471' FEL
 SE ¼ SE ¼ 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

TIMBERLINE (435) 789-1365		
ENGINEERING & LAND SURVEYING, INC.		
38 WEST 100 NORTH - VERNAL, UTAH 84078		
DATE SURVEYED: 07-30-08	SURVEYED BY: B.J.S.	SHEET 1
DATE DRAWN: 07-31-08	DRAWN BY: B.R.B.	
SCALE: 1" = 1000'	Date Last Revised:	OF 9



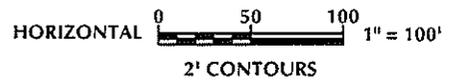
WELL PAD LEGEND

- WELL LOCATION
- - - EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)

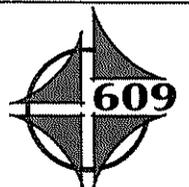
WELL PAD NBU 920-12P QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,729.2'
 FINISHED GRADE ELEVATION = 4,727.5'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 8,376 C.Y.
 TOTAL FILL FOR WELL PAD = 7,906 C.Y.
 TOPSOIL @ 6" DEPTH = 3,035 C.Y.
 TOTAL DISTURBANCE = 3.76 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

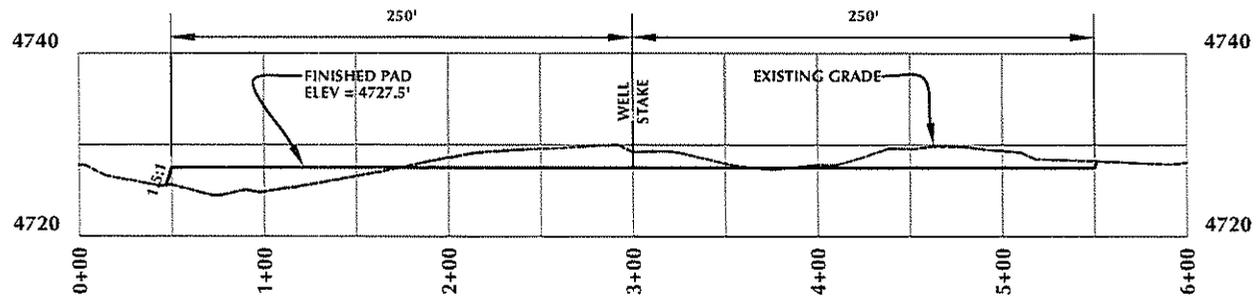


CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

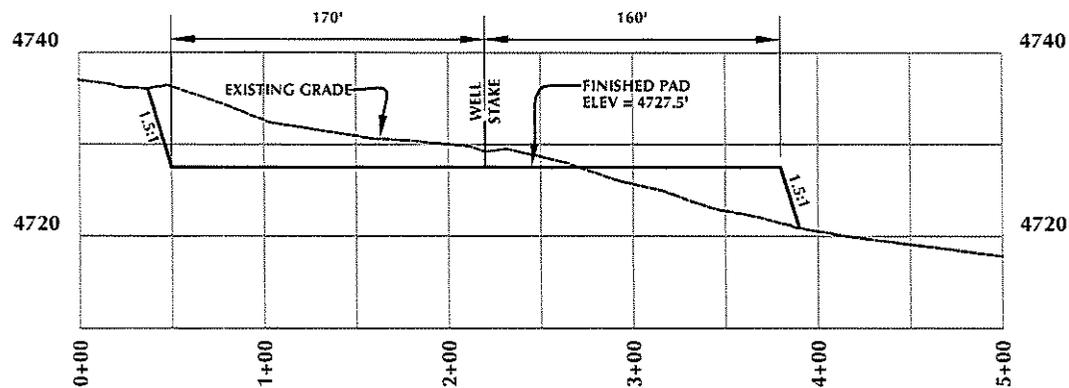
**NBU 920-12P
 WELL PAD - LOCATION LAYOUT**
 659' FSL, 471' FEL
 SE1/4SE1/4, SECTION 12, T.9S., R.20E.
 S.L.B.&M., UINTAH COUNTY, UTAH

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

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



CROSS SECTION A-A'



CROSS SECTION B-B'

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

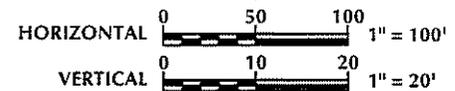
1099 18th Street - Denver, Colorado 80202



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

**NBU 920-12P
WELL PAD - CROSS SECTIONS**
659' FSL, 471' FEL
SE1/4SE1/4, 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

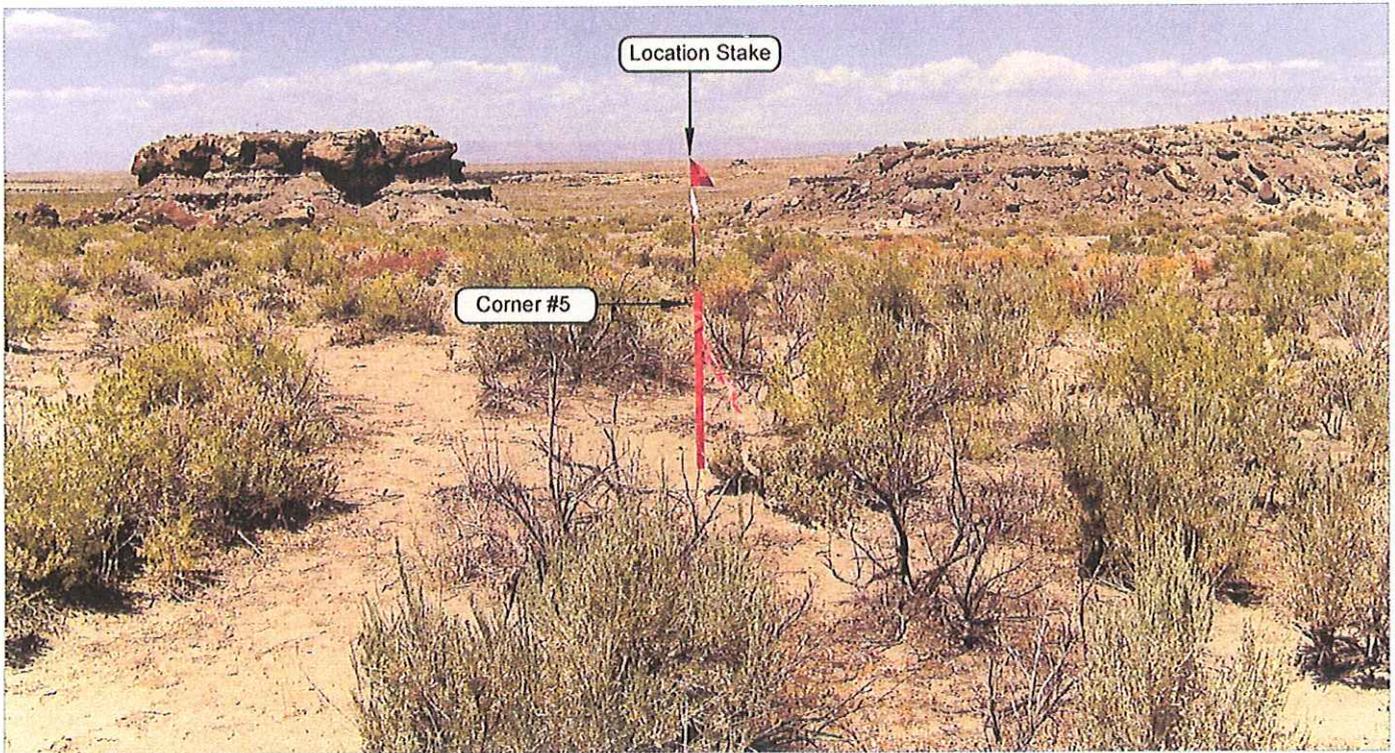


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

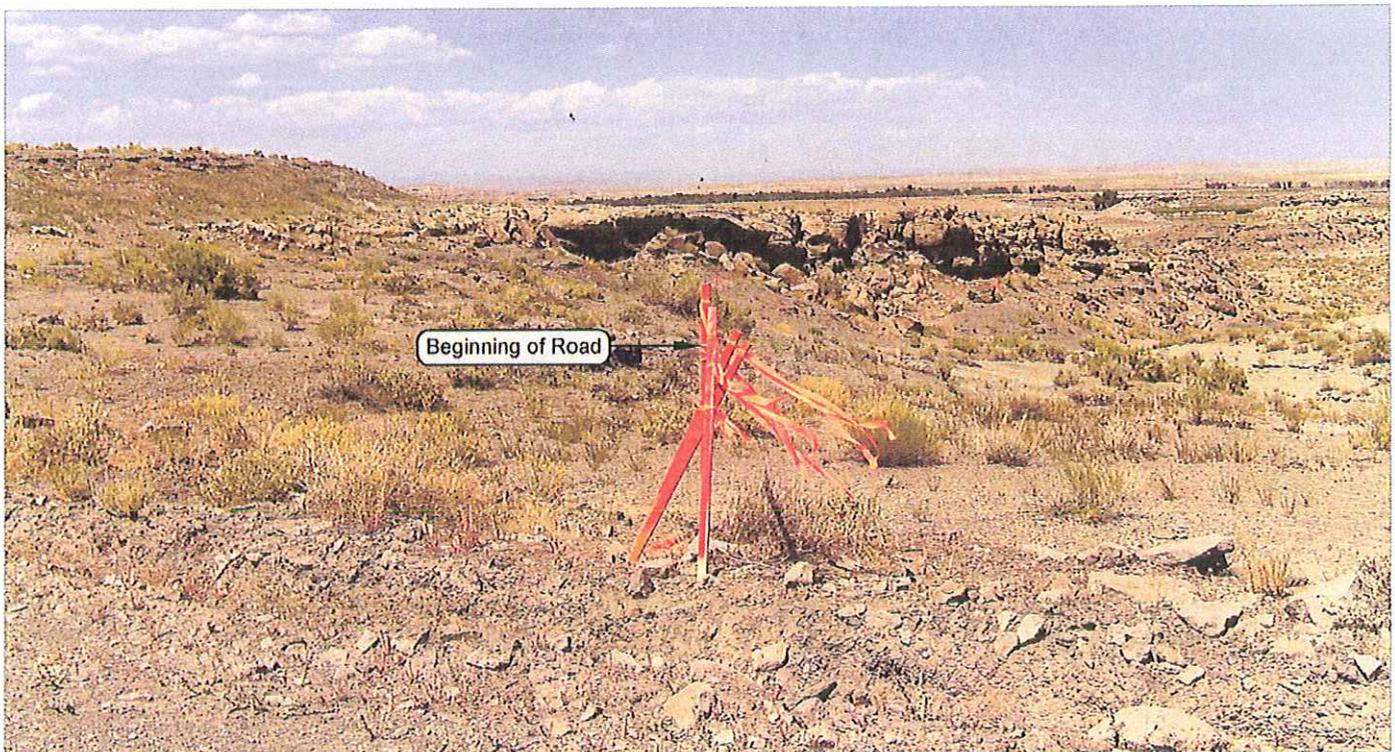
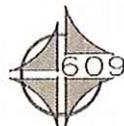


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHERLY

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

NBU 920-12P
 659' FSL, 471' FEL
 SE ¼ SE ¼ OF SECTION 12, T9S, R20E,
 S.L.B.&M. UINTAH COUNTY, UTAH.



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

LOCATION PHOTOS		DATE TAKEN: 07-30-08
TAKEN BY: B.J.S.	DRAWN BY: B.R.B.	DATE DRAWN: 07-31-08
		REVISED:

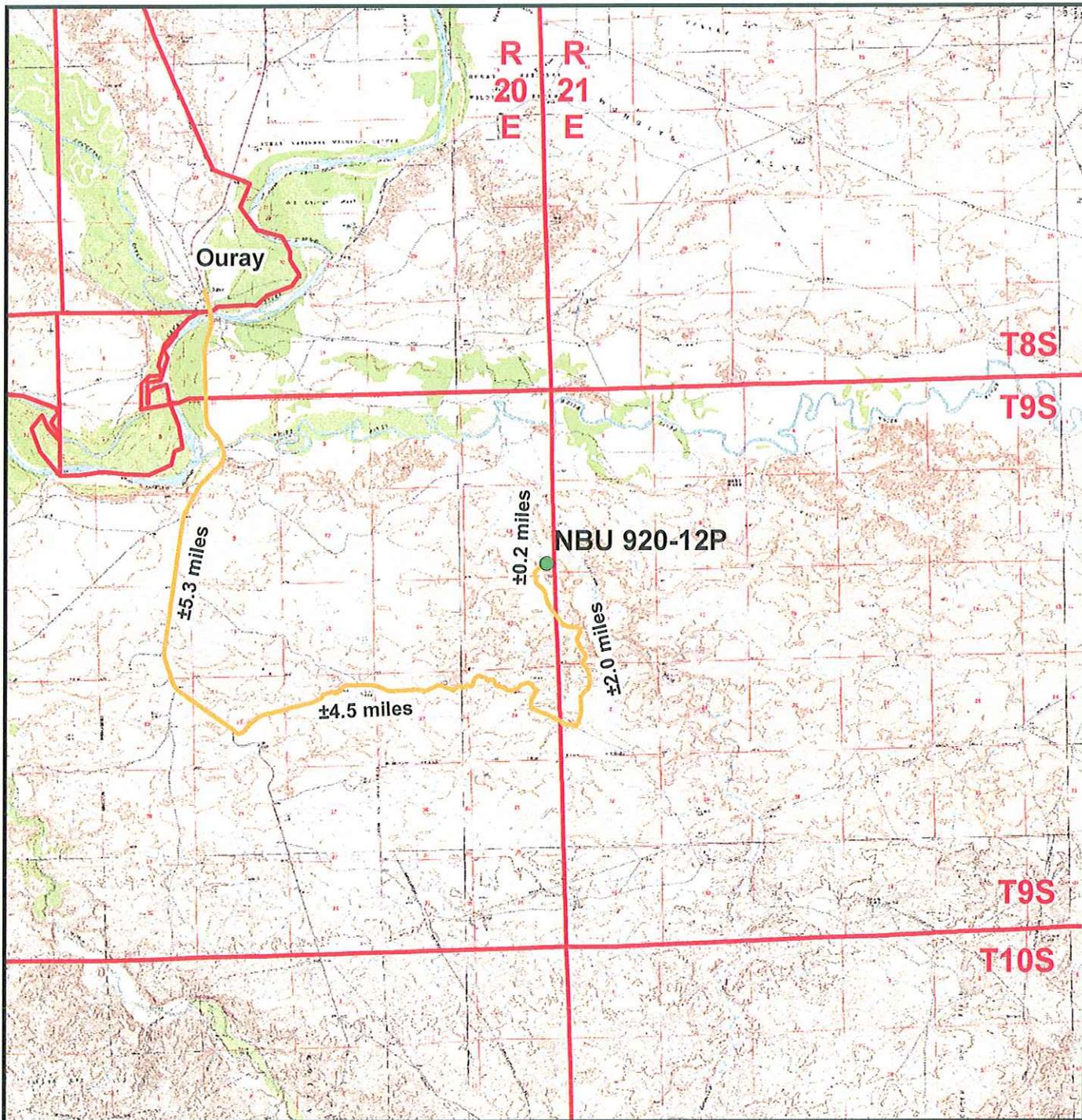
Timberline (435) 789-1365
 Engineering & Land Surveying, Inc.
 38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET
4
 OF 9

Kerr-McGee Oil & Gas Onshore, LP
NBU 920-12P
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 5.3 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE EAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY THEN SOUTHEASTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 4.5 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE NORTH. EXIT LEFT AND PROCEED IN A NORTHERLY THEN NORTHWESTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 2.0 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 770 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 42.7 MILES IN A SOUTHERLY DIRECTION.



Legend

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

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

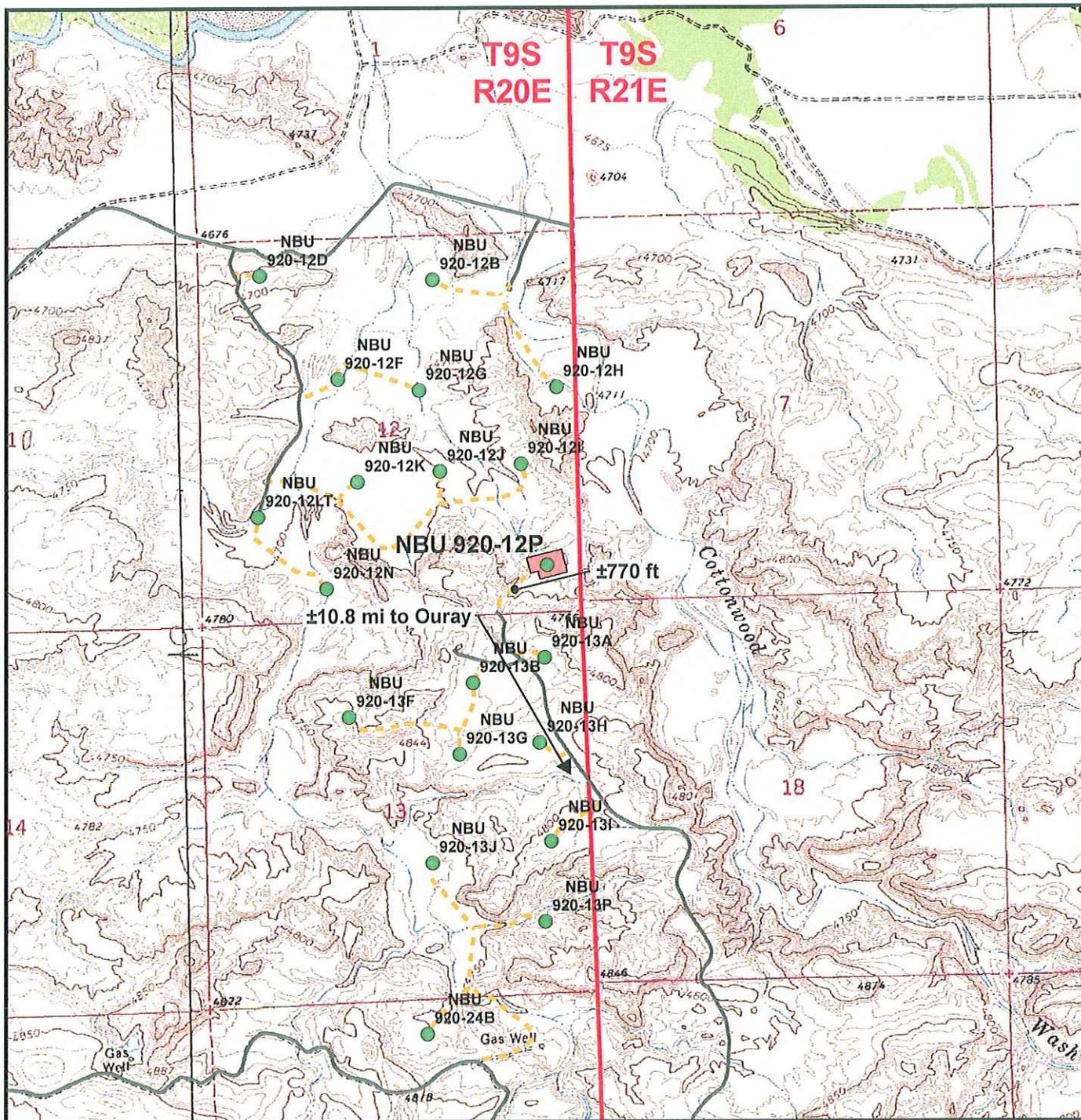
NBU 920-12P
 Topo A
 659' FSL, 471' FEL
 SE¼ SE¼, Section 12, T9S, R20E
 S.L.B.&M., Uintah County, Utah



CONSULTING, LLC
 371 Colfeen 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 = ±770 ft

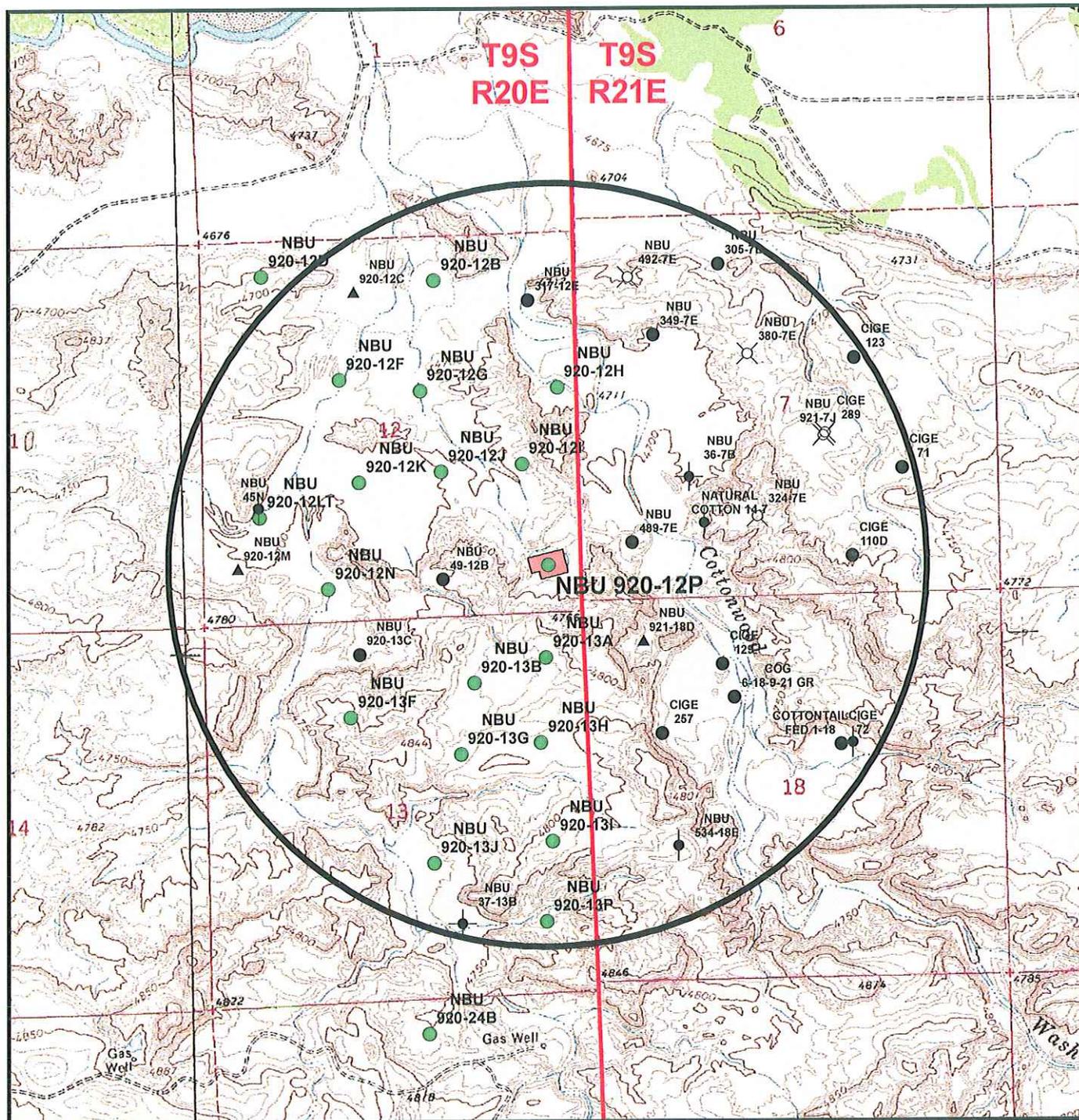
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

NBU 920-12P
Topo B
 659' FSL, 471' FEL
 SE¼ SE¼, 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 - Proposed
- Well - 1 Mile Radius
- Producing
- ▲ Approved permit (APD); not yet spudded
- Spudded (Drilling commenced: Not yet complete)
- ⊗ Location Abandoned
- Shut-In
- Well Pad
- Temporarily-Abandoned
- ⊕ Plugged and Abandoned

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

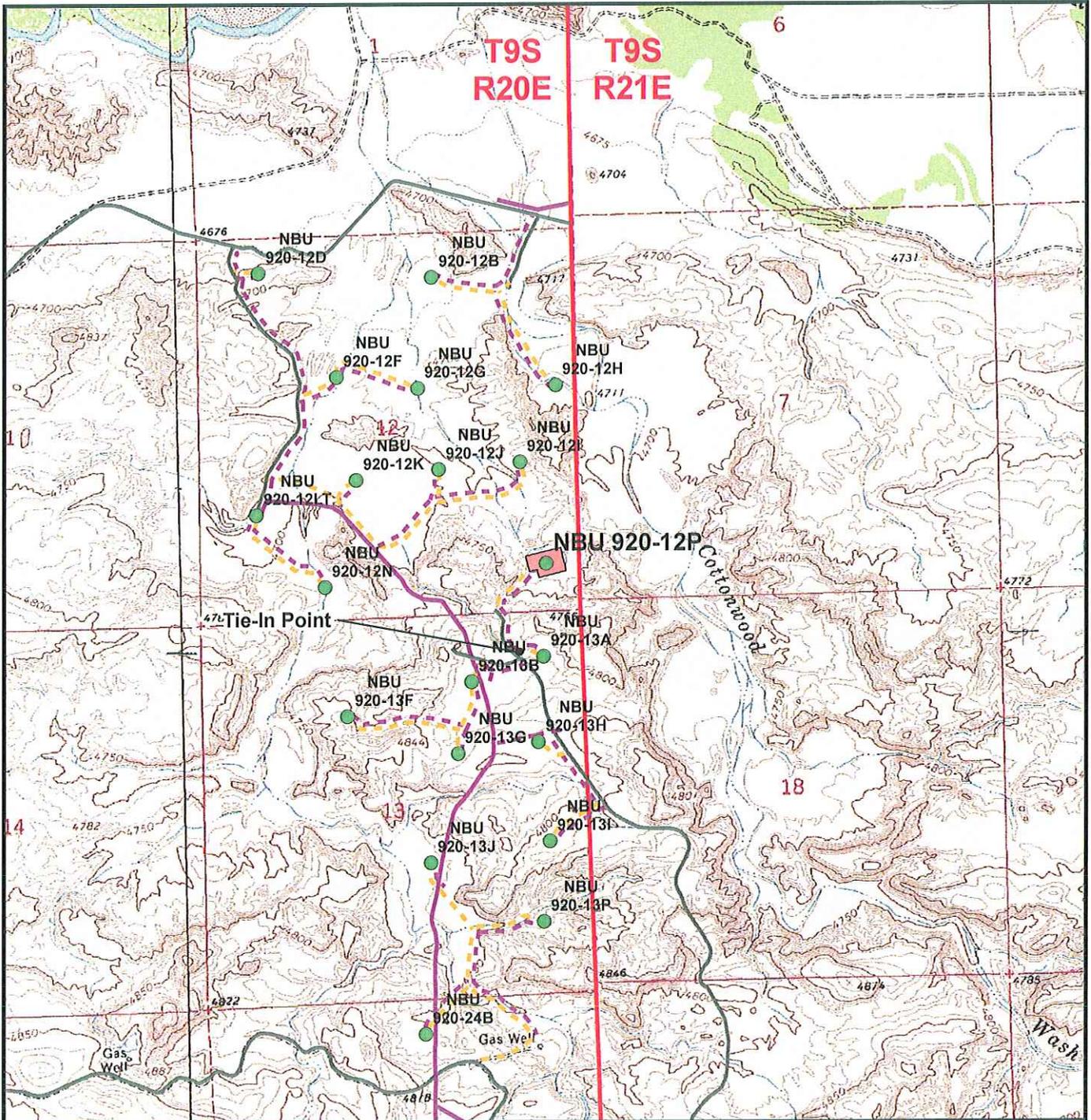
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

NBU 920-12P
Topo C
659' FSL, 471' FEL
SE¼ SE¼, 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: <b style="font-size: 2em;">7
Drawn: JELo	Date: 14 Aug 2008	<b style="font-size: 2em;">7 of 9
Revised:	Date:	



Legend

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

Total Proposed Pipeline Length: ±1,651ft

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

NBU 920-12P
Topo D
659' FSL, 471' FEL
SE¼ SE¼, 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: 4304750153

Well Name: NBU 920-12P

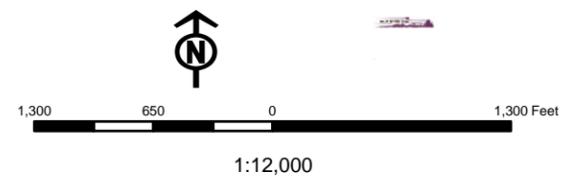
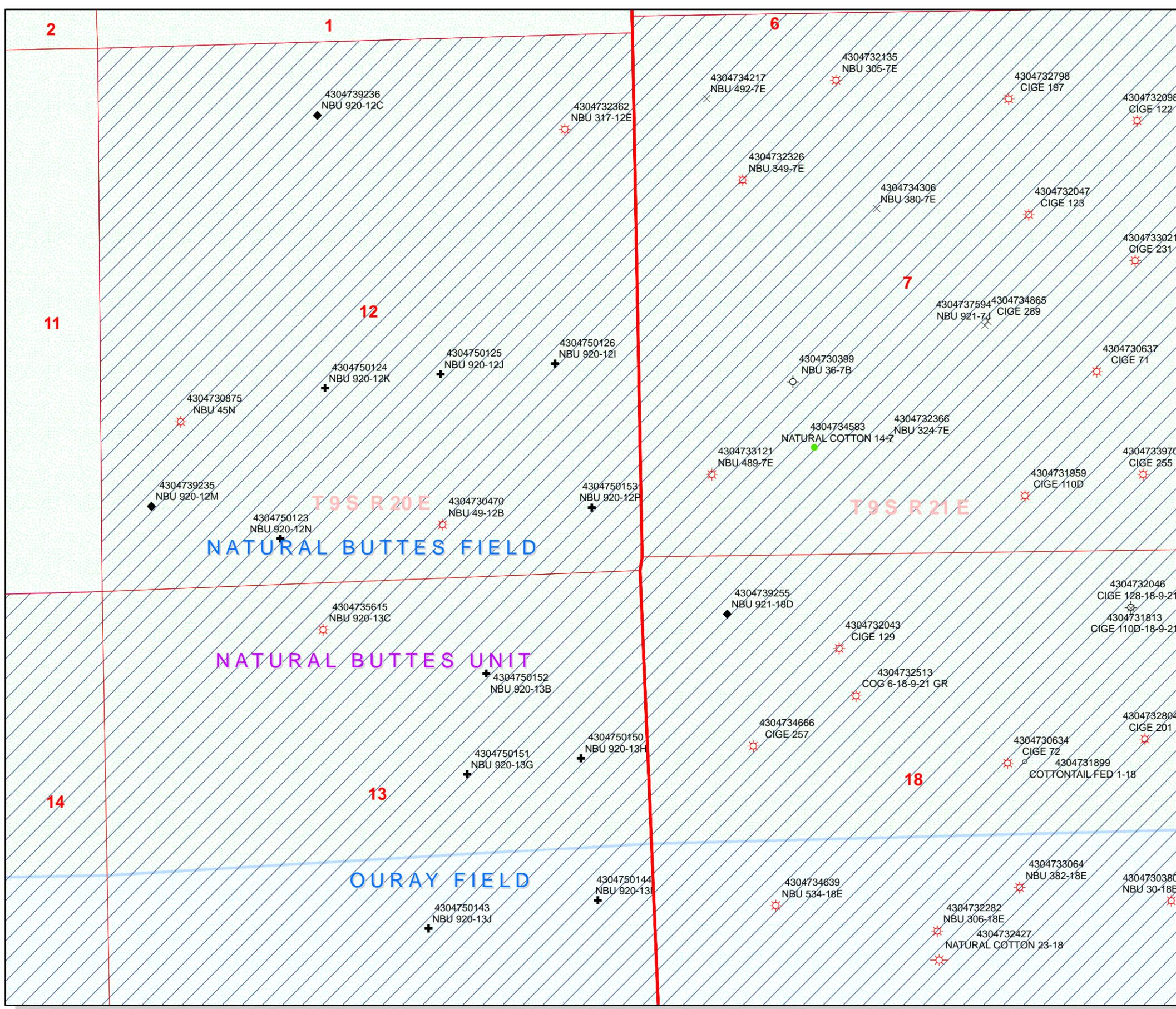
Township 09.0 S Range 20.0 E Section 12

Meridian: SLBM

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

Map Prepared:
Map Produced by Diana Mason

Units	Wells Query Events
STATUS	<all other values>
ACTIVE	GIS_STAT_TYPE
EXPLORATORY	<Null>
GAS STORAGE	APD
NF PP OIL	DRL
NF SECONDARY	GI
PI OIL	GS
PP GAS	LA
PP GEOTHERML	NEW
PP OIL	OPS
SECONDARY	PA
TERMINATED	PGW
Fields	POW
STATUS	RET
ACTIVE	SGW
COMBINED	SOW
Sections	TA
Township	TW
	WD
	WI
	WS
	Bottom Hole Location



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

September 25, 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-MESA VERDE)		
43-047-50148	NBU 920-24P Sec 24	T09S R20E 0992 FSL 0462 FEL
43-047-50149	NBU 921-12AT Sec 12	T09S R21E 0643 FNL 0670 FEL
43-047-50147	NBU 920-24L Sec 24	T09S R20E 2519 FSL 0698 FWL
43-047-50146	NBU 920-24I Sec 24	T09S R20E 1983 FSL 0829 FEL

(Proposed PZ MESA VERDE)		
43-047-50145	NBU 920-14D Sec 14	T09S R20E 0590 FNL 0835 FWL
43-047-50144	NBU 920-13I Sec 13	T09S R20E 2095 FSL 0549 FEL
43-047-50143	NBU 920-13J Sec 13	T09S R20E 1884 FSL 2217 FEL
43-047-50150	NBU 920-13H Sec 13	T09S R20E 1786 FNL 0658 FEL
43-047-50152	NBU 920-13B Sec 13	T09S R20E 0925 FNL 1555 FEL
43-047-50153	NBU 920-12P Sec 12	T09S R20E 0659 FSL 0471 FEL
43-047-40368	NBU 921-12DT Sec 12	T09S R21E 0905 FNL 0671 FWL

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:9-25-08

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/23/2008

API NO. ASSIGNED: 43047501530000

WELL NAME: NBU 920-12P

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

PHONE NUMBER: 720 929-6226

CONTACT: Kevin McIntyre

PROPOSED LOCATION: SESE 12 090S 200E

Permit Tech Review:

SURFACE: 0659 FSL 0471 FEL

Engineering Review:

BOTTOM: 0659 FSL 0471 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.04469

LONGITUDE: -109.60693

UTM SURF EASTINGS: 618840.00

NORTHINGS: 4433436.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0144868A

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: 173-14
Effective Date: 12/2/1999
Siting: 460' fr u bdry & uncomm. tract
- R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 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 920-12P
API Well Number: 43047501530000
Lease Number: UTU-0144868A
Surface Owner: INDIAN
Approval Date: 9/25/2008

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

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

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

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

Notification Requirements:

Notify the Division with 24 hours of spudding the well.

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

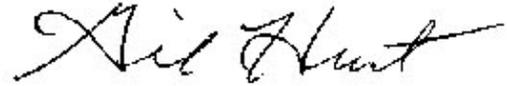
Notify the Division prior to commencing operations to plug and abandon the well.

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

Reporting Requirements:

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

Approved By:

A handwritten signature in black ink, appearing to read "Gil Hunt". The signature is written in a cursive style with a long horizontal stroke extending to the right.

Gil Hunt
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868A
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 920-12P
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501530000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0659 FSL 0471 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE 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: 9/28/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:

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

Kerr-McGee Oil & Gas Onshore, 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: September 30, 2009

By: 

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/24/2009	



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 43047501530000

API: 43047501530000

Well Name: NBU 920-12P

Location: 0659 FSL 0471 FEL QTR SESE SEC 12 TWNP 090S RNG 200E MER S

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

Date Original Permit Issued: 9/29/2008

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: 9/24/2009

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

Date: September 30, 2009

By: 

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER**

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

5a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU 0144868A
5b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name Ute Tribe
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		7. If Unit or CA Agreement, Name and No. 891008900A
3a. Address PO Box 173779 Denver, CO 80217-3779		8. Lease Name and Well No. NBU 920-12P
3b. Phone No. (include area code) Danielle Piernot 720-929-6156		9. API Well No. 43-047-50153
4. Location of well (Report location clearly and in accordance with any State requirements.)* At surface 659' FSL 471' FEL SE/4 SE/4 Lat. 40.04469 Long. -109.60761 At proposed prod. zone		10. Field and Pool, or Exploratory Natural Buttes Field
14. Distance in miles and direction from the nearest town or post office* Approximately 12 miles southeast of Ouray, Utah		11. Sec., T., R., M., or Blk. and Survey or Area 12 T 9S R 20E S.L.B.&M.
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 471'	16. No. of acres in lease 40.00	17. Spacing Unit dedicated to this well Unit well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. ±1,000'	19. Proposed Depth 10,650'	20. BLM/ BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, RT, GR, etc.) 4,729.0' Ungraded Ground Level KB	22. Approximate date work will start* July 4, 2010	23. Estimated duration 60-90 days

24. Attachments

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

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

25. Signature <i>Danielle Piernot</i>	Name (Printed/ Typed) Danielle Piernot	Date June 8, 2010
--	---	----------------------

Title Regulatory Analyst I	E-mail: danielle.piernot@anadarko.com	Phone: 720-929-6156
-------------------------------	--	------------------------

Approved By (Signature) <i>James H. Sparger</i>	Name (Printed/ Typed) James H. Sparger	Date JUN 16 2010
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 page 2)



NOS _____

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

AFMSS# 09JM0047A

CONDITIONS OF APPROVAL ATTACHED

RECEIVED
GREEN RIVER DISTRICT
VERNAL FIELD OFFICE
DEPT OF THE INTERIOR
BUREAU OF LAND MGMT
2010 JUN 9 PM 1:33

RECEIVED
JUN 23 2010



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

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Kerr McGee Oil & Gas Onshore LP	Location:	SESE, Sec.12, T9S R20E
Well No:	NBU 920-12P	Lease No:	UTU-0144868A
API No:	43-047-50153	Agreement:	Natural Buttes

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 New facilities "shadow gray."
- Monitor by a permitted paleontologist during the construction process.
- Monitor location by a permitted archaeologist during the construction process.
- In accordance with the guidelines specified in the Utah BLM Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002 (See Appendix D), a raptor survey should be conducted prior to construction of the proposed location, pipeline, or access road if construction would take place during raptor nesting season (January 01 through September 30) and conduct its operations according to specification in the guidelines.
- If project construction operations are scheduled to occur after June 8, 2010, KMG will conduct additional biological surveys in accordance with the guidelines specified in the USFWS Rare Plant Conservation Measures for Uinta Basin hookless cactus (See Appendix D) and conduct its operation according to its specifications.

BIA Standard Conditions of Approval:

- Soil erosion will be mitigated by reseeding all disturbed areas.
- The gathering pipelines will be constructed to lie on the surface. The surface pipelines will not be bladed or cleared of vegetation. Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way. Where pipelines do not parallel roads but cross-country between sites, they shall be welded in place at well sites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.
- An open drilling system shall be used, unless otherwise specified in 10.0 Additional Stipulations of this document and in the Application for Permit to Drill. A closed drilling system shall be used in all

flood plain areas, and other highly sensitive areas, recommended by the Ute Tribe Technician, BIA, and other agencies involved.

- The reserve pit shall be lined with a synthetic leak proof liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed the pit shall be backfilled a minimum of 3.0' below the soil surface elevation.
- A closed production system shall be used. This means all produced water and oil field fluid wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either approved injection wells or disposal pits.
- Major low water crossings will be armored with pit run material to protect them from erosion.
- All personnel should refrain from collecting any paleontological fossils and from disturbing any fossil resources in the area.
- If fossils are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.
- Before the site is abandoned the company will be required to restore the right-of-way to near its original state. The disturbed area will be reseeded with desirable perennial vegetation. If necessary, the Bureau of Indian Affairs or Bureau of Land Management will provide a suitable seed mixture.
- Noxious weeds will be controlled on all surface disturbances within the project area. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.
- If project construction operations are scheduled to occur after December 31, 2009, KMG should conduct annual raptor surveys in accordance with the guidelines specified in the Utah Field Office Guidelines for Raptor Protection from Human and Land Use Disturbances, 2002 (See Appendix E) and conduct its operations according to applicable seasonal restrictions and spatial offsets.
- USFWS threatened and endangered plant and animal conservation measures will be followed, as appropriate to the species identified by the biological resource survey (See Appendix E).
- All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
- If artifacts or any culturally sensitive materials are exposed or identified during construction, all construction must cease and immediate notification to the Energy and Minerals Department and the Cultural Rights Protection Officer.

**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 ($\frac{1}{4}$, 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-0144868A
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
--	---

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

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501530000
---	---

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0659 FSL 0471 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 09.0S Range: 20.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/30/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" 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.

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: October 06, 2010

By:

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/29/2010	



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 43047501530000

API: 43047501530000

Well Name: NBU 920-12P

Location: 0659 FSL 0471 FEL QTR SESE SEC 12 TWNP 090S RNG 200E MER S

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

Date Original Permit Issued: 9/29/2008

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?
• Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?
• Has the approved source of water for drilling changed?
• 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?
• Is bonding still in place, which covers this proposed well?

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot

Date: 9/29/2010

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

Date: October 06, 2010

By: [Signature]

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

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 920-12P
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501530000
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0659 FSL 0471 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 12 Township: 09.0S Range: 20.0E Meridian: S	COUNTY: UINTAH
STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/1/2010	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing size for this well from FROM: 9-5/8" TO: 8-5/8". Additionally, Kerr-McGee requests to change the surface hole size FROM: 12-1/4" TO: 11". Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: November 10, 2010

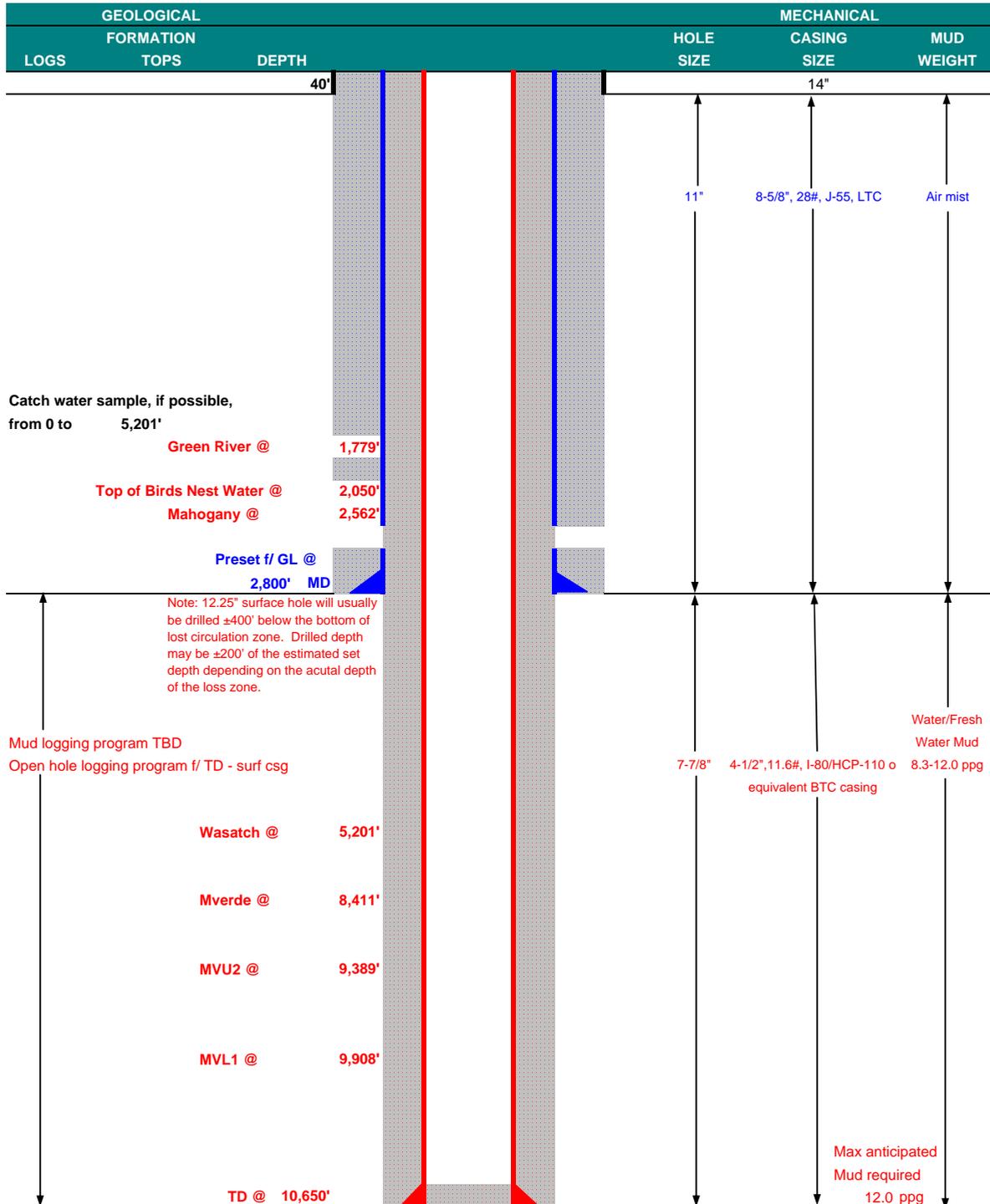
By: *Danielle Piernot*

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/25/2010	



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE October 20, 2010
 WELL NAME NBU 920-12P TD 10,650' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,729' GL KB 4,744'
 SURFACE LOCATION SESE 659' FSL & 471' FEL, Sec. 12, T 9S R 20E BHL Straight Hole
 Latitude: 40.044730 Longitude: -109.606920 NAD 27
 OBJECTIVE ZONE(S) Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS), BIA (SURFACE), UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2,800'	36.00	J-55	LTC	0.82	1.54	5.13
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	1.81	0.96	1.86
						10690	8650	367000
PRODUCTION	4-1/2"	9600 to 10650	11.60	HCP-110	BTC	2.48	1.30	3.40

- 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 = 12.0 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing * Buoy. Fact. of water)
 MASP 4280 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,700'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	12.50	3.38
	TAIL	5,950'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1660	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 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ DATE: _____
 Emile Goodwin

DRILLING SUPERINTENDENT: _____ DATE: _____
 NBU 920-12P Drilling Program REVISED 10/20/10.xls

RECEIVED October 25, 2010

Level Young

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
 Submitted By ANDY LYTLE Phone Number 720.929.6100
 Well Name/Number NBU 920-12P
 Qtr/Qtr SESE Section 12 Township 9S Range 20E
 Lease Serial Number UTU-0144868A
 API Number 4304750153

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

Date/Time 12/22/2010 08:00 HRS AM PM

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

- Surface Casing
 Intermediate Casing
 Production Casing
 Liner
 Other

RECEIVED

DEC 21 2010

DIV. OF OIL, GAS & MINING

Date/Time 01/17/2011 08:00 HRS AM PM

BOPE

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

Date/Time _____ AM PM

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT KENNY GATHINGS AT

435.828.0986 OR LOVEL YOUNG AT 435.781.7051

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868A
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 920-12P
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501530000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0659 FSL 0471 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE 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 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 12/22/2010	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'.
 RAN 14" 36.7# SCHEDULE 10 CONDUCTOR PIPE. CMT W/ 28 SX READY MIX
 SPUD WELL LOCATION ON DECEMBER 22, 2010 AT 11:00 HRS.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 12/28/2010

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 12/28/2010	

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

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
 Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750153	NBU 920-12P		SESE	12	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	12/22/2010			12/29/10	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 12/22/2010 AT 11:00 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304750151	NBU 920-13G		SWNE	13	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	12/23/2010			12/29/10	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 12/23/2010 AT 11:00 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)

GINA BECKER

Name (Please Print)

Gina Becker

Signature

REGULATORY ANALYST

12/28/2010

Title

Date

RECEIVED

DEC 28 2010

(5/2000)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868A
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
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0659 FSL 0471 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE 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: 1/10/2011 <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 type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface hole size FROM: 11" TO: 12 1/4". Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

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

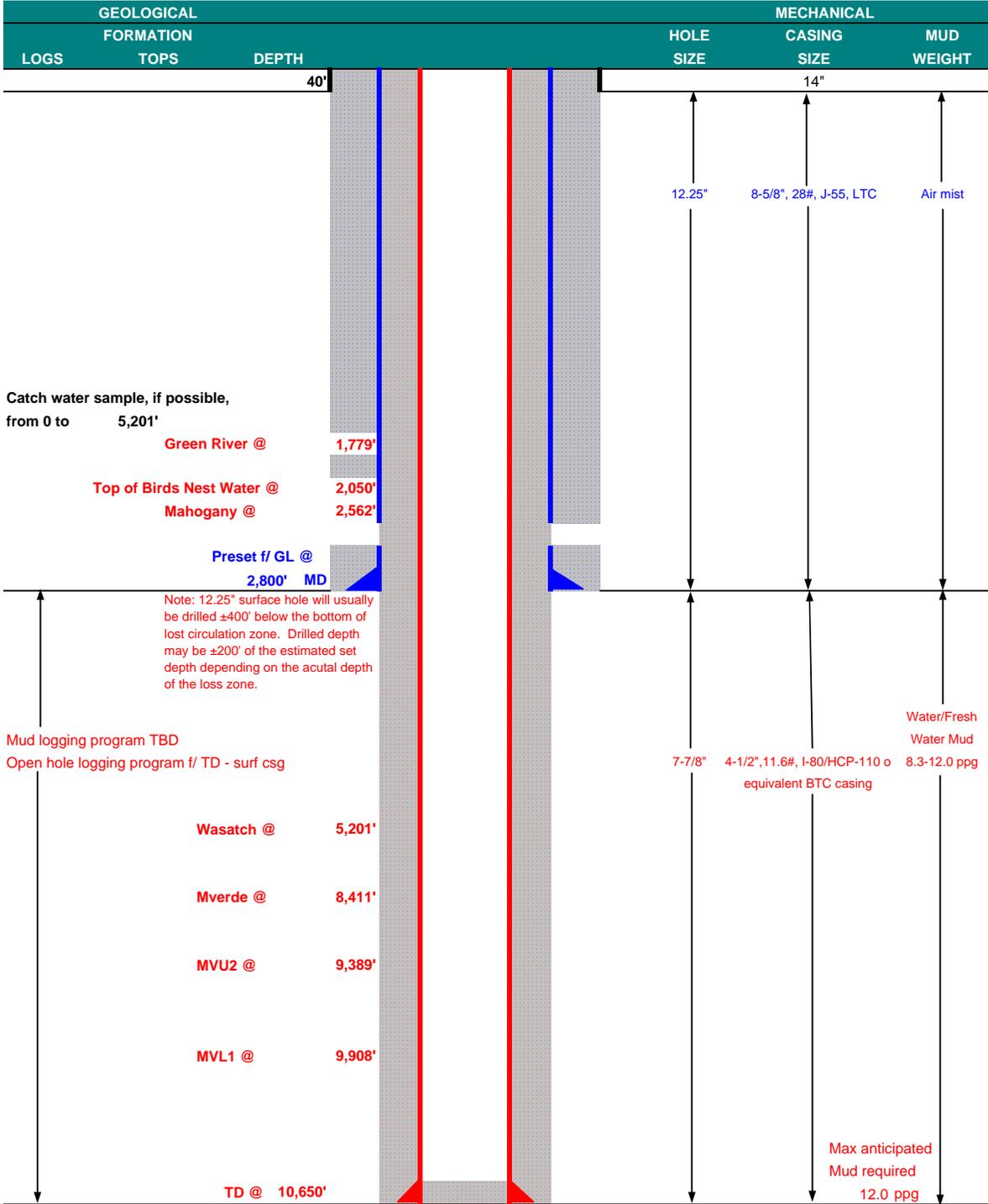
Date: 01/20/2011
By: *Danielle Piernot*

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 1/10/2011



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE January 6, 2011
 WELL NAME NBU 920-12P TD 10,650' MD/TVD _____
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,729' GL KB 4,744'
 SURFACE LOCATION SESE 659' FSL & 471' FEL, Sec. 12, T 9S R 20E BHL Straight Hole
 Latitude: 40.044730 Longitude: -109.606920 NAD 27 _____
 OBJECTIVE ZONE(S) Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS), BIA (SURFACE), UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3390	1880	437000
SURFACE	8-5/8"	0 to 2,800'	28.00	J-55	LTC	0.79	1.43	6.37
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	1.81	0.96	1.86
						10690	8650	367000
PRODUCTION	4-1/2"	9600 to 10650	11.60	HCP-110	BTC	2.48	1.30	3.40

- 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 = 12.0 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
 MASP 4280 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	280	60%	15.60	1.18
	TOP OUT CMT (1)	1200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	430		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 + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	340	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	240	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,700'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	12.50	3.38
	TAIL	5,950'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1660	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 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ DATE: _____
 Emile Goodwin

DRILLING SUPERINTENDENT: _____ DATE: _____
 NBU-920-12P-Drilling-Diagram-REVISED-010611.xls

RECEIVED January 10, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868A
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<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/30/2011	<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
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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 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 CAPSTAR AIR RIG #311 ON JANUARY 26, 2011. DRILLED 12 1/4" SURFACE HOLE TO 2830'. RAN 8 5/8" 28# IJ-55 SURFACE CSG. PUMP 50 BBLS FRESH WATER. PUMP 20 BBLS GEL WATER. LEAD CEMENT W/ 350 SX CLASS G PREM @ 11.0 PPG, 3.52 YD. TAILED CEMENT W/ 275 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. DROP PLUG ON THE FLY, DISPLACED W/ 144.5 BBLS WATER. 490 PSI OF LIFT @ 2 BBLS/MIN. 15 BBLS LEAD TO SURFACE. BUMP PLUG W/ 900 PSI. FLOAT HELD. RUN 100' OF 1" PIPE & CEMENT 65 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. CEMENT. CEMENT TO SURFACE. WORT.

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

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 1/31/2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
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PHONE NUMBER: 720 929-6515 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/12/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top; padding: 5px;"> <input type="checkbox"/> ACIDIZE <input 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 </td> <td style="width: 33%; vertical-align: top; padding: 5px;"> <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 </td> <td style="width: 33%; vertical-align: top; padding: 5px;"> <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"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input 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 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"/>
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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 to change the total depth (TD) to include the Blackhawk formation, which is in the Mesaverde group for this well. Please see attached for additional details. Please contact the undersigned if you have any questions and/or comments. Thank you.					
Approved by the Utah Division of Oil, Gas and Mining		Date: <u>04/14/2011</u>			
By:		DATE 4/12/2011			
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst			
SIGNATURE N/A	DATE 4/12/2011				



KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS			
						BURST	COLLAPSE	LTC	BTC
								TENSION	
CONDUCTOR	14"	0-40'							
						3,390	1,880	348,000	N/A
SURFACE	8-5/8"	0 to 2,890	28.00	IJ-55	LTC	1.87	1.39	4.91	N/A
						10,690	8,650	279,000	367,000
PRODUCTION	4-1/2"	0 to 11,706	11.60	HCP-110	LTC or BTC	1.19	1.09	2.56	3.37

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	290	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	430	0%	15.80	1.15
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	2,390'	65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW	350	35%	11.00	3.82
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	250	35%	15.80	1.15
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	4,726'	Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	340	10%	11.00	3.38
	TAIL	6,980'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,340	10%	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

DATE:

DRILLING SUPERINTENDENT:

Kenny Gathings / Lovel Young

DATE:

State of Utah - Notification Form

Operator Anadarko Petroleum Rig Name/# Ensign 138
Submitted By SID ARMSTRONG Phone Number 435- 828-0982
Well Name/Number NBU 920-12P
Qtr/Qtr SE SE Section 12 Township 9S Range 20E
Lease Serial Number UTU-0144868A
API Number 43047501530000

Casing – Time casing run starts, not cementing times.

- Production Casing
- Other

Date/Time _____ AM PM

BOPE

- Initial BOPE test at surface casing point
- Other

Date/Time 8/10/2011 06:00 AM PM

Rig Move

Location To: RIG MOVE TO NBU 920-12P

Date/Time 8/6/2011 07:00 AM PM

Remarks NBU 920-12P B.O.P TEST NOTICE SHOULD BE TESTING 8/10/2011

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DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0144868A
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 920-12P	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501530000	
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: 0659 FSL 0471 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE 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: 8/29/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU ROTARY RIG. FINISHED DRILLING FROM 2830' TO 11,693' ON AUGUST 29, 2011. RAN 4-1/2" 11.6# P-110 PRODUCTION CASING. CEMENTED PRODUCTION CASING. RELEASED ENSIGN RIG 138 ON AUGUST 29, 2011 @ 13:00 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		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/30/2011	

State of Utah - Notification Form

Operator Anadarko Petroleum Rig Name/# Ensign 138
Submitted By BRAD PEDERSEN Phone Number
435- 828-0982
Well Name/Number NBU 920-12P
Qtr/Qtr S/E S/E Section 12 Township 9S Range 20E
Lease Serial Number UTU 144868A
API Number 43-047-50153

Casing – Time casing run starts, not cementing times.

- Production Casing
 Other

Date/Time 8/27/2011 22:00 AM PM

BOPE

- Initial BOPE test at surface casing point
 Other

Date/Time _ _____ AM PM

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DIV. OF OIL, GAS & MINING

Rig Move

Location To:

Date/Time _____ AM PM

Remarks TIME IS APPROXAMATE

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-0144868A
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 920-12P	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047501530000	
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: 0659 FSL 0471 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE 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"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/27/2011	<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
		OTHER: <input 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 09/27/2011 AT 12:50 PM. 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		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/29/2011	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU0144868A

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

2. Name of Operator **KERR MCGEE OIL & GAS ONSHORE** Contact: **JAIME L. SCHARNOWSKE**
 Email: **JAIME.SCHARNOWSKE@ANADARKO.COM**

3. Address **PO BOX 173779 DENVER, CO 80217** 3a. Phone No. (include area code)
Ph: 720-929-6304

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **SESE 659FSL 471FEL 40.044689 N Lat, 109.607608 W Lon**
 At top prod interval reported below **SESE 659FSL 471FEL 40.044689 N Lat, 109.607608 W Lon**
 At total depth **SESE 659FSL 471FEL 40.044689 N Lat, 109.607608 W Lon**

6. If Indian, Allottee or Tribe Name _____
 7. Unit or CA Agreement Name and No.
UTU63047A

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

9. API Well No.
43-047-50153

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
12/22/2010 15. Date T.D. Reached
08/27/2011 16. Date Completed
 D & A Ready to Prod.
09/27/2011

17. Elevations (DF, KB, RT, GL)*
4728 GL

18. Total Depth: **MD 11693 TVD** 19. Plug Back T.D.: **MD 11626 TVD** 20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/GR/C/T-RSL/SM-SYN TRIPLE COMBO-HDIL/CN/GR

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			
12.250	8.625 IJ-55	28.0	0	2812		690		0	
7.875	4.500 P-110	11.6	0	11670		2039		1940	

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	11297							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERE	11170	11489	11170 TO 11489	0.360	96	OPEN
B) WSMVD						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
11170 TO 11489	PUMP 13,039 BBLs SLICK H2O & 297,642 LBS 30/50 OTTAWA SAND

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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
09/27/2011	10/02/2011	24	→	0.0	2905.0	582.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
16/64	408 SI	214.0	→	0	2905	582		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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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	1749
				BIRD'S NEST	2014
				MAHOGANY	2438
				WASATCH	5222
				MESAVERDE	8248

32. Additional remarks (include plugging procedure):

Attached is the chronological well history, perforation report & final survey.

The Rig Release Sundry Notice submitted 8/30/2011 said TD was reached on August 29th; this was in error and should have stated that TD was reached on August 27, 2011.

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 #121569 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 10/27/2011

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

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P		Spud Conductor: 12/22/2010	Spud Date: 1/27/2011
Project: UTAH-UINTAH		Site: NBU 920-12P	Rig Name No: CAPSTAR 311/311, ENSIGN 138/138
Event: DRILLING		Start Date: 1/10/2011	End Date: 8/29/2011
Active Datum: RKB @4,742.01ft (above Mean Sea Level)		UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/26/2011	14:00 - 0:00	10.00	DRLSUR	01	A	P		RIG DOWN AND BEGIN RIG MOVE TO NBU 920-12P 9 MILE MOVE SHUT DOWN RIG MOVE AT DARK
1/27/2011	0:00 - 7:30	7.50	DRLSUR	21	C	P		WAIT ON DAYLIGHT TO FINISH RIG UP
	7:30 - 12:00	4.50	DRLSUR	01	B	P		RIG UP ON NBU 920-12P
	12:00 - 13:30	1.50	DRLSUR	14	A	P		WELD ON CONDUCTOR AND RIG UP FLOW LINE PICK UP BHA
	13:30 - 0:00	10.50	DRLSUR	02	B	P		SPUD WELL DRILL F/ 40' - 735' AVE ROP 70 FT HR WOB 4-12 AND 18 - 22 ROT 45 - 65 DHR 95 GPM 620 NO LOSSES LAST SURVEY .5 DEG AT 513'
1/28/2011	0:00 - 12:00	12.00	DRLSUR	02	B	P		DRILL F/ 735' - 1496' AVE ROP 63 FT HR ROT 45-60 DHR 99 GPM 620 WOB 8-12 LAST SURVEY 1338' 2 DEG
	12:00 - 12:30	0.50	DRLSUR	07	A	P		DAILY RIG SERVICE
	12:30 - 0:00	11.50	DRLSUR	02	B	P		DRILL F/ 1496' - 2080' AVE ROP 50 FT HR ROT 45-60 DHR 99 GPM 620 WOB 8-12 LAST SURVEY 2130' 1.75 DEG
1/29/2011	0:00 - 16:00	16.00	DRLSUR	02	B	P		DRILL TO T.D. 2830' AVE ROP 47 FT HR WOB 10-12 ROT 45-60 DHR 99 GPM 620 NO LOSSES LAST SURVEY 2800' 2 DEG
	16:00 - 17:00	1.00	DRLSUR	05	C	P		CIRCULATE AND CONDITION MUD PRIOR TO LDDS
	17:00 - 20:00	3.00	DRLSUR	06	A	P		TOOH LAYING DOWN KEEPING HOLE FULL L/D MUD MOTOR SHOCK SUB AND BREAK BIT
	20:00 - 0:00	4.00	DRLSUR	12	C	P		RIG UP AND CONDUCT SAFETY MEETING BEGIN RUNNING 8 5/8 CASING
1/30/2011	0:00 - 1:30	1.50	DRLSUR	12	C	P		RUN 63 JOINTS 8 5/8 SURFACE CASING SHOE AT 2806' BAFFLE AT 2762' NO LOSSES FULL DISPLACEMENT INSTALL ROT RUBBER AND CIRCULATE AT 100 STKS
	1:30 - 2:00	0.50	DRLSUR	05	D	P		RIG UP CEMENTERS AND CIRCULATE AND CONDITION MUD
	2:00 - 5:00	3.00	DRLSUR	12	E	P		HOLD SAFETY MEETING W/ SUPERIOR WELL SERVICES CEMENTERS. INSTALL CEMENT HEAD ON TOP OF LANDING JT. PRESSURE TEST LINE TO 2000 PSI. PUMP 50 BBLs OF WATER AHEAD, PUMP 20 BBLs OF GEL WATER. PUMP 350 SX OF 11#, 3.52 YD, 23 GAL/SK HI FILL LEAD, PUMP 275 SX OF 15.8# 1.15 YD, 5 GAL/SK TAIL PREM. CLASS G CEMENT. DROP PLUG ON FLY, DISPLACE W/ 144.5 BBLs OF WATER. 490 PSI OF LIFT @ 2 BBLs/MIN RATE. 15 BBLs OF LEAD TO SURFACE. BUMP PLUG W/ 900 PSI. FLOAT HELD.
	5:00 - 6:00	1.00	DRLSUR	14	A	P		CUT CONDUCTOR AND HANG OFF CASING
	6:00 - 7:00	1.00	DRLSUR	12	E	P		RUN 100' OF 1" PIPE AND CEMENT 65 SKS 15.8 TAIL CEMENT. CEMENT TO SURFACE RELEASE RIG @ 0700 TO NBU 920-13I

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P		Spud Conductor: 12/22/2010		Spud Date: 1/27/2011	
Project: UTAH-UINTAH			Site: NBU 920-12P		Rig Name No: CAPSTAR 311/311, ENSIGN 138/138
Event: DRILLING			Start Date: 1/10/2011		End Date: 8/29/2011
Active Datum: RKB @4,742.01ft (above Mean Sea Level)			UWI: SE/SE/0/9/S/20/E/12/0/0/26/PMS/659/E/0/471/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 7:00	0.00	DRLSUR					CONDUCTOR CASING: Cond. Depth set:40' Cement sx used:28 SPUD DATE/TIME:1/27/2011 13:30 SURFACE HOLE: Surface From depth:40 Surface To depth:2,830 Total SURFACE hours:50.00 Surface Casing size:8 5/8 # of casing joints ran:63 Casing set MD:2,806.0 # sx of cement:350/275/65 Cement blend (ppg.):11/15.8/15.8 Cement yield (ft ³ /sk):1.15/3.52/1.15 # of bbls to surface:15 Describe cement issues:NONE
8/7/2011	0:00 - 6:00	6.00	DRLPRO	01	A	P		STAND BY
	6:00 - 21:00	15.00	DRLPRO	01	A	P		MOB RIG F/ WYOMING TO NBU-920-12P - HAVE RECIEVED 20 LOADS & HAVE 80% BACK YARD SET.
8/8/2011	21:00 - 0:00	3.00	DRLPRO	01	A	P		STAND BY
	0:00 - 6:00	6.00	DRLPRO	01	A	P		STAND BY
	6:00 - 19:00	13.00	DRLPRO	01	A	P		MOB RIG F/ WYOMING TO NBU-920-12P - HAVE RECIEVED 5 LOADS & TOTAL OF 25 HAVE 90% BACK YARD R/U
8/9/2011	19:00 - 0:00	5.00	DRLPRO	01	A	P		STAND BY
	0:00 - 7:00	7.00	DRLPRO	01	A	P		STAND BY
	7:00 - 20:00	13.00	DRLPRO	01	A	P		MOB RIG F/ WYOMING TO NBU-920-12P - HAVE RECIEVED 5 LOADS & TOTAL OF 30 HAVE 95% BACK YARD R/U
8/10/2011	20:00 - 0:00	4.00	DRLPRO	01	A	P		STAND BY
	0:00 - 6:00	6.00	DRLPRO	01	A	P		STAND BY
	6:00 - 20:00	14.00	DRLPRO	01	A	P		MOB RIG F/ WYOMING TO NBU-920-12P - HAVE RECIEVED 4 LOADS & TOTAL OF 34 HAVE 100% BACK YARD R/U,SET SUB DERRICK,DRAW TOOL STRING UP TRV.BLOCKS & R/U ROT TOOLS.
8/11/2011	20:00 - 0:00	4.00	DRLPRO	01	A	P		STAND BY.
	0:00 - 6:00	6.00	DRLPRO	01	B	P		STAND BY
	6:00 - 0:00	18.00	DRLPRO	01	B	P		RAISE DERRICK & FINISH R.U.R.T & RIG 100% MOVE IN & 60% R/U & ALL NATURAL GAS EQUIPMENT 100% R/U & RUNNING EQUIPMENT.GOT #1 GEN GAS MOTOR RUNNING & #2 GEN MOTOR WON'T START HAVE STAND BY GEN RUNNING & HAVE NO COMM TO RIG F/ PLC & ALL WELDING IS DONE ON PITS FLOW LINE & CHOKE LINES & FLARE LINES.
8/12/2011	0:00 - 0:00	24.00	DRLPRO	01	B	P		CONT TO R.U.R.T & WORK ON GEN SET & RECALIBERATE LNG MOTORS TO 88%. & LOAD TEST MOTORS & PUMPS.
8/13/2011	0:00 - 6:00	6.00	DRLPRO	01	B	P		R.U.R.T & LOAD TEST PUMPS & ECT

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P		Spud Conductor: 12/22/2010		Spud Date: 1/27/2011	
Project: UTAH-UINTAH			Site: NBU 920-12P		Rig Name No: CAPSTAR 311/311, ENSIGN 138/138
Event: DRILLING			Start Date: 1/10/2011		End Date: 8/29/2011
Active Datum: RKB @4,742.01ft (above Mean Sea Level)			UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 18:00	12.00	DRLPRO	14	A	P		N/U B.O.P'S & FLARE LINES & CUT & WELD IN NEW FLOW NIPPLE IN ROT HEAD BOWL
	18:00 - 0:00	6.00	DRLPRO	15	A	P		TEST B.O.P'S - PIPES - BLINDS - 2" 4" & HCR & CHOKE MAINFOLD 250 LOW & 5000 HIGH - ANNULAR 250 LOW 2500 HIGH & 1500 PSI ON CASING. & DONE KOOMEY FUNCTION TEST & CHECK PSI IN BOTTLES.
8/14/2011	0:00 - 0:30	0.50	DRLPRO	14	B	P		SET WEAR BUSHING
	0:30 - 1:00	0.50	DRLPRO	23		P		PRE SPUD INSPECTION
	1:00 - 9:00	8.00	DRLPRO	06	A	P		P/U DIR TOOLS & BHA & D.P & TAG CEMENT @ 2689
	9:00 - 10:00	1.00	DRLPRO	02	F	P		DRILL CEMENT & SHOE TRACK
	10:00 - 15:30	5.50	DRLPRO	02	B	P		DIR DRILL F/ 2835 TO 3302 - 467' AVG @ - 84.9 FPH - WOB 16/18 - RPM 40/125 - TORQ 3/5 - GPM 540 - PP- 1450/1250 - DRILL W/ RS WATER - MW 8.4 VIS 26 - SLIDE 40' @ 8% OF 467 FT DRILL - DRILL W/ RES WATER MW 8.4 VIS 26 W/ 20' FLARE - GREEN RIVER GAS DRILL BREAK @ 3134
	15:30 - 16:00	0.50	DRLPRO	07	A	P		SER RIG
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DIR DRILL F/ 3302 TO 4014 - 712' AVG @ 89.0 FPH - WOB 16/18 - RPM 40/125 - TORQ 3/5 - GPM 540 - PP- 1450/1250 - DRILL W/ RS WATER - MW 8.4 VIS 26 - SLIDE 40' @ 5% OF 712 FT DRILL - DRILL W/ RES WATER MW 8.4 VIS 26 W/ 20' TO 35' FLARE
8/15/2011	0:00 - 13:30	13.50	DRLPRO	02	B	P		DIR DRILL F/ 4014 TO 5000 - 986' AVG @ 73.0 FPH - WOB 16/18 - RPM 40/125 - TORQ 7/5 - GPM 540 - PP- 1850/1550 - DRILL W/ RES WATER - MW 8.4 VIS 26 - SLIDE 125' @ 12.79% OF 986 FT DRILL - DRILL W/ RES WATER MW 8.4 VIS 26 W/ 20' TO 25' FLARE
	13:30 - 14:00	0.50	DRLPRO	07	A	P		RIG SER
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DIR DRILL F/ 5000 TO 5790 - 790' AVG @ 79.0 FPH - WOB 16/18 - RPM 40/125 - TORQ 7/5 - GPM 540 - PP- 1850/1550 - DRILL W/ RES WATER - MW 8.4 VIS 26 - SLIDE 10' @ 1.3% OF 790 FT DRILL - DRILL W/ RES WATER MW 8.4 VIS 26 W/ 20' TO 25' FLARE
8/16/2011	0:00 - 15:00	15.00	DRLPRO	02	B	P		DIR DRILL F/ 5790 TO 6740 - 950' AVG @ 63.3 FPH - WOB 16/18 - RPM 40/125 - TORQ 7/5 - GPM 540 - PP- 1850/1550 - DRILL W/ RES WATER - MW 8.4 VIS 26 - SLIDE 55' @ 6% OF 950 FT DRILL - DRILL W/ RES WATER MW 8.4 VIS 26 W/ 10' TO 15' FLARE
	15:00 - 15:30	0.50	DRLPRO	07	A	P		SER RIG
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DIR DRILL F/ 6740 TO 7240 - 500' AVG @ 58.8 FPH - WOB 16/18 - RPM 40/125 - TORQ 7/5 - GPM 540 - PP- 1850/1550 - DRILL W/ RES WATER - MW 8.4 VIS 26 - SLIDE 20' @ 4% OF 500 FT DRILL - DRILL W/ RES WATER MW 8.4 VIS 26 W/ 15' TO 20' FLARE
8/17/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 7240 TO 7502 - 262' AVG @ 43.6 FPH - WOB 16/18 - RPM 40/125 - TORQ 7/5 - GPM 540 - SPM 120- PP- 1850/1550 - DRILL W/ RES WATER - MW 8.4 VIS 26 W/ 15' TO 20' FLARE & STARTED LIGHT MUD UP @ 7,500.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P		Spud Conductor: 12/22/2010		Spud Date: 1/27/2011	
Project: UTAH-UINTAH		Site: NBU 920-12P		Rig Name No: CAPSTAR 311/311, ENSIGN 138/138	
Event: DRILLING		Start Date: 1/10/2011		End Date: 8/29/2011	
Active Datum: RKB @4,742.01ft (above Mean Sea Level)			UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 12:00	6.00	DRLPRO	02	B	P		DRILL F/ 7502' TO 7776' (274' @ 45.6' HR) WOB 16-18, RPM 40/125, TORQ 7/5, GPM 540, SPM 120, ON/OFF 1900/2243, DIFF 353, UP/SO/ROT 170-153-158, WT 9.2, VIS 36, 15' TO 20' FLARE, GETTING BACK LARGE SHALES
	12:00 - 12:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	12:30 - 13:30	1.00	DRLPRO	02	B	P		DRILL F/ 7776' TO 7807' 30'
	13:30 - 16:30	3.00	DRLPRO	08	A	Z		RIG REPAIR ,LOST PLC CONNECTION TO DRILLER CONSOLE, TROUBLE SHOOT ELECTRICAL SYSTEM W/ ELECTRICIAN & TOP DRIVE TECH
	16:30 - 22:30	6.00	DRLPRO	02	B	P		DRILL F/ 7807' TO 8059' (252' @ 42' HR) WOB 18-20, RPM 40/125, GPM 540, SPM 120, ON/OFF 2050, DIFF 378, UP/SO/ROT 178/155/170, WT 9.3, VIS 34, FLARE 15' TO 20'
	22:30 - 0:00	1.50	DRLPRO	05	B	X		TOOK KICK @ 8059' ,CIRC KICK OUT THROUGH CHOKE, RAISE MUD WT
8/18/2011	0:00 - 5:00	5.00	DRLPRO	05	B	S		CIRC OUT GAS KICK THROUGH CHOKE, RAISE MUD WT TO 11.3, VIS 37
	5:00 - 9:30	4.50	DRLPRO	02	B	P		DRILL F/ 8059' TO 8217' (158' @ 35.1' HR) WOB 18-20, RPM 40/125, GPM 450, SPM 100, ON/OFF 2316-2074, DIFF 260, UP/SO/ROT 178/155/170, WT 10.9, VIS 34, LCM 5%
	9:30 - 14:00	4.50	DRLPRO	05	A	S		LOST 600 BBLs TO SEEPAGE, PICK UP & CIRC @ 25 STKS -2.5 BBL/MIN, ROTATING & RECIPROCATING PIPE SLOW , WAIT ON MUD, BUILD VOLUME, MIX LCM
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRILL F/ 8217' TO 8450' (233' @ 23.3' HR) WOB 18-20, RPM 40/1103, GPM 450, SPM 100, ON/OFF 3088/ 2753, DIFF 133-380, TORQ 7/4, UP/SO/ROT 173/163/168, WT 11.6, VIS 39, LCM 6%, NO FLARE
8/19/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 8450' TO 8630' (180' @ 30' HR) WOB 18-22, RPM 40/120, GPM 522, SPM 116, TORQ 7/5, ON/OFF 3127/2759, DIFF 368, UP/SO/ROT 173/163/168, WT 11.8, VIS 44, LCM 7%, LOST 250 BBLs TO SEEPAGE
	6:00 - 12:00	6.00	DRLPRO	02	B	P		DRILL F/ 8630' TO 8847' (217' @ 36.1' HR) WOB 20/22, RPM 40/120, GPM 522, SPM 116, TORQ 7/4, ON/OFF 3150/2788, DIFF 362, UP/SO/ROT 176/165/171, WT 11.8, VIS 46, LCM 10%
	12:00 - 13:00	1.00	DRLPRO	07	A	P		RIG SERVICE, CHANGE SAVER SUB ON TOP DRIVE
	13:00 - 0:00	11.00	DRLPRO	02	B	P		DRILL F/ 8847' TO 9257' (410' @ 37.2' HR) WOB 20-22, RPM 40/113, GPM 495, SPM 110, TORQ 7/4, ON/OFF 2997/ 2690, DIFF 307, UP/SO/ROT 182/168/177, WT 12, VIS 44, LCM 14% LOST 215 BBLs TO SEEPAGE, RAISE LCM TO 18%
8/20/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 9257' TO 9443' (186' @ 31' HR) WOB 20-22, RPM 50/113, GPM 495, SPM 110, TORQ 7/4, DIFF 306, ON/OFF 3000-2690, WT 12, VIS 42, LCM 14% NO FLARE, LOST 50 BBLs TO SEEPAGE
	6:00 - 10:00	4.00	DRLPRO	02	B	P		DRILL F/ 9443' TO 9572' (129' @ 32.2' HR) WOB 20-22, RPM 50/113, GPM 495, SPM 110, TORQ 7/4, DIFF 300, ON/OFF 2997-2690, WT 12, VIS 42, LCM 14%, LOST 35 BBLs TO SEEPAGE

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P Spud Conductor: 12/22/2010 Spud Date: 1/27/2011

Project: UTAH-UINTAH Site: NBU 920-12P Rig Name No: CAPSTAR 311/311, ENSIGN 138/138

Event: DRILLING Start Date: 1/10/2011 End Date: 8/29/2011

Active Datum: RKB @4,742.01ft (above Mean Sea Level) UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:00 - 11:00	1.00	DRLPRO	10	D	P		SURVEY ,TROUBLESHOOT MWD (PICKING UP NOISE NO SIGNAL)
	11:00 - 12:00	1.00	DRLPRO	02	B	P		DRILL F/ 9572' TO 9613'
	12:00 - 12:30	0.50	DRLPRO	10	D	P		SURVEY, TROUBLE SHOOT MWD
	12:30 - 13:30	1.00	DRLPRO	02	B	P		DRILL F/ 9613' TO 9635
	13:30 - 14:30	1.00	DRLPRO	07	A	P		RIG SERVICE ELECTRICIAN CHECKED TOPDRIVE CONNECTIONS
	14:30 - 19:00	4.50	DRLPRO	02	B	P		DRILL F/ 9635' TO 9762' (127' @ 28.2' HR) WOB 20-22, RPM 50/106, GPM 460, SPM 102, TORQ 7/4, ON/OFF 2996-2730, DIFF 255, UP/SO/ROT 197-175-184, WT 12.2, VIS 42, LCM 16%
	19:00 - 19:30	0.50	DRLPRO	08	A	Z		RIG REPAIR WORK ON SCREW COMPRESSOR
	19:30 - 0:00	4.50	DRLPRO	02	B	P		DRILL F/ 9762' TO 9887' (125' @ 27.7' HR) WOB 20-22, RPM 50/106, GPM 460, SPM 102, TORQ 7/4, ON/OFF 3032-2782, DIFF 250, UP/SO/ROT 197-175-184, WT 12.2, VIS 42, LCM 16%
8/21/2011	0:00 - 0:30	0.50	DRLPRO	05	C	P		CIRC, MIX & PUMP PILL
	0:30 - 8:30	8.00	DRLPRO	06	A	P		TOOH L/D MWD, MOTOR ,BIT (TIGHT 5887')
	8:30 - 20:00	11.50	DRLPRO	06	A	P		P/U FX65M SECURITY BIT, .14 RPG/ 1.25 BEND SDI MOTOR , ORIENT MWD ,TIH, FILL PIPE @ SHOE, WASH THROUGH BRIDGE @ 5440', FILL PIPE @ 7800'
	20:00 - 21:00	1.00	DRLPRO	03	D	P		FILL PIPE, BREAK CIRC, WASH 90' TO BTM, NO FILL, NO LOSSES ON TRIP
	21:00 - 0:00	3.00	DRLPRO	02	B	P		DRILL F/ 9887' TO 9983' (96' @ 32' HR) WOB 18-22, RPM 50/69, GPM 495, SPM 110, TORQ8/5, ON/OFF 2975-2788, DIFF 370,UP/SO/ROT 205-179-188, 15' BOTTOMS UP FLARE, WT 12.2, VIS 41, LCM 15 %
8/22/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 9983' TO 10232' (249' @ 41.5' HR) WOB 18-20, RPM 50/69, GPM 495, SPM 110, TORQ 8/4, ON/OFF 2975-2788, DIFF 306, UP/SO/ROT 205-179-188, WT 12.4, VIS 46, LCM 15%
	6:00 - 15:30	9.50	DRLPRO	02	B	P		DRILL F/ 10232' TO 10581' (349' @ 36.7' HR) WOB 18-20, RPM 50/64, GPM 459, SPM 102, TORQ 8/5, ON/OFF 2789- 2398, DIFF 276, UP/SO/ROT 217-183-203, WT 12.3, VIS 40, LCM 15%, 5' FLARE CONNECTION GAS
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:00 - 20:00	4.00	DRLPRO	02	B	P		DRILL F/ 10581' TO 10696' (115" @ 28.7' HR) WOB 20-22, RPM 45/64, GPM 459, SPM 102, TORQ 8/5 ON/OFF 2987-2790, DIFF 250, UP/SO/ROT 214-183-205
	20:00 - 20:30	0.50	DRLPRO	08	A	P		RIG REPAIR, RIG BLACKOUT
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRILL F/ 10696' TO 10770' (74' @ 21.1' HR) WOB 20-22, RPM 45/69, GPM 495, SPM 110, TORQ 9/5, ON/OFF 3000/2832, DIFF 258, UP/SO/ROT 213-183-207, WT 12.5, VIS 41, LCM 16%
8/23/2011	0:00 - 4:00	4.00	DRLPRO	02	B	P		DRILL F/ 10770' TO 10833' (63' @ 15.7' HR) WOB 22, RPM 45/64, GPM 459, SPM 102, TORQ 9/5, DIFF 130, UP/SO/ROT 213-183-207, WT 12.5, VIS 41, LCM 16%
	4:00 - 4:30	0.50	DRLPRO	05	C	P		CIRC ,MIX & PUMP PILL

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P Spud Conductor: 12/22/2010 Spud Date: 1/27/2011

Project: UTAH-UINTAH Site: NBU 920-12P Rig Name No: CAPSTAR 311/311, ENSIGN 138/138

Event: DRILLING Start Date: 1/10/2011 End Date: 8/29/2011

Active Datum: RKB @4,742.01ft (above Mean Sea Level) UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/24/2011	4:30 - 14:00	9.50	DRLPRO	06	A	P		TOOH L/D MWD, DIR TOOLS & BIT (TIGHT 6157')
	14:00 - 19:30	5.50	DRLPRO	06	A	P		P/U FX65M BIT #3, TIH, FILL PIPE @ SHOE & 5000'
	19:30 - 20:00	0.50	DRLPRO	08	B	Z		RIG REPAIR, REPAIR DELTA CONNECTION #1 PUMP
	20:00 - 0:00	4.00	DRLPRO	06	A	P		FINISH TIH TO 10788', NO HOLE PROBLEMS
	0:00 - 0:30	0.50	DRLPRO	03	D	P		WASH 90' TO BOTTOM, NO FILL
	0:30 - 6:00	5.50	DRLPRO	02	B	P		DRILL F/ 10833' TO 10982' (149' @ 27' HR) WOB 20-22, RPM 45/64, GPM 459, SPM 102, TORQ 9/5, DIFF 247, UP/SO/ROT 221-193-202, WT 12.4, VIS 44, LCM 15%, NO FLARE, NO LOSSES
	6:00 - 16:00	10.00	DRLPRO	02	B	P		DRILL F/ 10982' TO 11220' (238' @ 23.8' HR) WOB 20-22, RPM 45/472, GPM 472, SPM 106, TORQ 8/5, DIFF 93-250, UP/SO/ROT 224-193-204, WT 12.4, VIS 43, LCM 15%
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRILL F/ 11220' TO 11368' (148' @ 19.7' HR) WOB 20-22, RPM 45/64, GPM 459, SPM 102, TORQ 8/5, DIFF 254, UP/SO/ROT 228-193-209WT 12.7, VIS 41, LCM 18%, 20' TO 30' FLARE 11278' , CONNECTION GAS 10' TO 15' FLARE
8/25/2011	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 11368' TO 11471' (103' @ 17.1' HR) WOB 20, RPM 45/64, GPM 459, SPM 102, TORQ 7/5, DIFF 238 ,UP/SO/ROT 228-193-209 ,WT 12.7, VIS 41, LCM 15% , 10' TO 15' CONNECTION GAS FLARE
	6:00 - 14:00	8.00	DRLPRO	02	B	P		DRILL F/ 11471' TO 11629' (158' @ 19.7' HR) WOB 20, RPM 45/64, GPM 459, SPM 102, TORQ 7/5, DIFF 267, UP/SO/ROT 230-194-211, WT 12.8, VIS 42, LCM 20%, (LOST 130 BBLS TO SEEPAGE), 10' TO 15' CONNECTION GAS FLARE
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	14:30 - 17:30	3.00	DRLPRO	02	B	P		DRILL F/ 11629' TO 11693' TD @ 17:30 8/25/2011 (64' @ 21.3' HR) WOB 20, RPM 45/64, GPM 459, SPM 102, DIFF 300, TORQ 7/5, UP/SO/ROT 235-190-211, WT 12.7, VIS 47, LCM 15%, 10' TO 15' CONNECTION GAS FLARE
8/26/2011	17:30 - 19:30	2.00	DRLPRO	05	C	P		CIRC 2 BOTTOMS UP, PUMP PILL
	19:30 - 0:00	4.50	DRLPRO	06	E	P		WIPER TRIP TO 6700', TIGHT @ 10975'
	0:00 - 1:00	1.00	DRLPRO	06	E	P		CONTINUE WIPER TRIP F/ 6700' TO 5500' (TIGHT @ 6110')
	1:00 - 1:30	0.50	DRLPRO	07	A	P		FILL PIPE, CHANGE TOP DRIVE GRABBER DIES
	1:30 - 5:30	4.00	DRLPRO	06	E	P		TIH, WASH 90' TO BOTTOM, NO FILL,(LOST 35 BBLS ON TRIP)
	5:30 - 8:30	3.00	DRLPRO	05	C	P		CIRC & COND F/ LOGS
	8:30 - 18:00	9.50	DRLPRO	06	B	P		TOOH F/ LOGS
	18:00 - 0:00	6.00	DRLPRO	11	C	Z		SAFETY MEETING W/ BAKER ATLAS ,R/U & RUN TRIPLE COMBO LOGS, LOGS FAILED ON FIRST 2 RUNS, TROUBLE SHOOT & CHANGE OUT TOOLS.
8/27/2011	0:00 - 2:00	2.00	DRLPRO	11	C	Z		TROUBLE SHOOT LOGS, CHANGE OUT TOOLS
	2:00 - 7:30	5.50	DRLPRO	11	C	P		RUN LOGS TO 11700', LOG OUT, (DID NOT RUN CALIPER AND DENSITY LOGS), R/D LOGGERS
	7:30 - 10:30	3.00	DRLPRO	06	A	P		TIH TO SHOE, FILL PIPE
	10:30 - 13:00	2.50	DRLPRO	09	A	P		SLIP & CUT 140' DRILL LINE, SET & TEST C-O-M

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P		Spud Conductor: 12/22/2010	Spud Date: 1/27/2011
Project: UTAH-UINTAH		Site: NBU 920-12P	Rig Name No: CAPSTAR 311/311, ENSIGN 138/138
Event: DRILLING		Start Date: 1/10/2011	End Date: 8/29/2011
Active Datum: RKB @4,742.01ft (above Mean Sea Level)		UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:00 - 21:00	8.00	DRLPRO	06	A	P		TIH ,FILL PIPE @ 5500' & 8000' ,(WASH 6 STDS TO BOTTOM DUE TO FLOAT NOT HOLDING & FLUID COMING OVER THE TOP)
	21:00 - 23:30	2.50	DRLPRO	05	C	P		CIRC & COND ,CIRC BOTTOMS UP TWICE, MIX & PUMP PILL (10' TO 30' BOTTOMS UP FLARE F/ 30 MIN) LOST 140 BBL ON TRIP
	23:30 - 0:00	0.50	DRLPRO	06	A	P		LDDP
8/28/2011	0:00 - 12:30	12.50	DRLPRO	06	A	P		LDDP, NMDC, MOTOR ,BIT
	12:30 - 14:00	1.50	DRLPRO	12	A	P		SAFETY MEETING W/ RIG CREW & FRANKS WESTSTATES, & R/U CASERS
	14:00 - 0:00	10.00	DRLPRO	12	C	P		RUN 4.5, 11.6, P110 PROD CASING , DEPTH 10579'
8/29/2011	0:00 - 1:00	1.00	DRLPRO	12	C	P		RUN 277 JTS 4.5", 11.6#, P110 PROD CASING SHOE @ 11670', FLOAT @ 11625', MARKERS @ 8414' & 5221'
	1:00 - 3:00	2.00	DRLPRO	05	D	P		CIRC OUT GAS, 5' TO 30' FLARE F/ 20 MIN, R/D CASERS
	3:00 - 6:30	3.50	DRLPRO	12	E	P		SAFETY MEETING W/ RIG CREW & BJ SERVICES R/U & PUMP , 20 BBL WATER SPACER, 20 SX 11.8, 2.38 YLD SCAVENGER, 632 SX, 12.8 # , 1.85 YLD LEAD, 1396 SX 14.3 #, 1.31 YLD TAIL , DISPLACE W/ 180.7 BBLS CLAYCARE WATER, FINAL LIFT 3650 PSI, BUMP PLUG @ 4100 PSI F/ 5 MIN , FLOATS HELD, 15 BBLS LEAD BACK TO PIT, FULL RETURN THROUGHOUT JOB, FLUSH STACK, R/D CEMENTERS
	6:30 - 9:00	2.50	DRLPRO	12	C	P		SET C-22 SLIP THROUGH STACK LAND CASING @ 105K, PICK UP STACK, CUT OFF CASING, SET STACK DOWN
	9:00 - 13:00	4.00	DRLPRO	14	A	P		NIPPLE DOWN, CLEAN PITS , RELEASE RIG @ 13:00 8/29/2011 TO BONANZA 1023-8H4DS

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P	Spud Conductor: 12/22/2010	Spud Date: 1/27/2011
Project: UTAH-UINTAH	Site: NBU 920-12P	Rig Name No: CAPSTAR 311/311, ENSIGN 138/138
Event: DRILLING	Start Date: 1/10/2011	End Date: 8/29/2011
Active Datum: RKB @4,742.01ft (above Mean Sea Level)	UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
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13:00 - 13:00 0.00 DRLPRO

CONDUCTOR CASING:
 Cond. Depth set:40
 Cement sx used:28

SPUD DATE/TIME:1/27/2011 13:30

SURFACE HOLE:
 Surface From depth:40
 Surface To depth:2,830
 Total SURFACE hours:50.00
 Surface Casing size:8 5/8
 # of casing joints ran:63
 Casing set MD:2,806.0
 # sx of cement:350/275/65
 Cement blend (ppg.):11/15.8/15.8
 Cement yield (ft3/sk):1.15/3.52/1.15
 # of bbls to surface:15
 Describe cement issues:
 Describe hole issues:

PRODUCTION:
 Rig Move/Skid start date/time: 8/6/2011 06:00
 Rig Move/Skid finish date/time:8/13/2011 6:00
 Total MOVE hours:#VALUE!
 Prod Rig Spud date/time:8/14/2011 10:00
 Rig Release date/time:8/29/2011 13:00
 Total SPUD to RR hours:363.0
 Planned depth MD11,693
 Planned depth TVD11,690
 Actual MD:11,693
 Actual TVD:11,690
 Open Wells \$:
 AFE \$:
 Open wells \$/ft:

PRODUCTION HOLE:
 Prod. From depth:2,835
 Prod. To depth:11,693
 Total PROD hours: 208.5
 Log Depth:11700
 Float Collar Top Depth:11625.54
 Production Casing size:4.5 P-110
 # of casing joints ran:277
 Casing set MD:11,669.7
 Stage 1
 # sx of cement:20/623/1396
 Cement density (ppg.):12.8 /14.3
 Cement yield (ft3/sk):1.85 / 1.31
 Stage 2
 # sx of cement:
 Cement density (ppg):
 Cement yield (ft3/sk):
 Top Out Cmt
 # sx of cement:
 Cement density (ppg):

US ROCKIES REGION
Operation Summary Report

Well: NBU 920-12P Spud Conductor: 12/22/2010 Spud Date: 1/27/2011

Project: UTAH-UINTAH Site: NBU 920-12P Rig Name No: CAPSTAR 311/311, ENSIGN 138/138

Event: DRILLING Start Date: 1/10/2011 End Date: 8/29/2011

Active Datum: RKB @4,742.01ft (above Mean Sea Level) UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
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Cement yield (ft3/sk):
Est. TOC (Lead & Tail) or 2 Stage :
Describe cement issues:NONE
Describe hole issues:SEVERE SEEPAGE

DIRECTIONAL INFO:
KOP:
Max angle:
Departure:
Max dogleg MD:

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 920-12P	Wellbore No.	OH
Well Name	NBU 920-12P	Wellbore Name	NBU 920-12P
Report No.	1	Report Date	9/15/2011
Project	UTAH-UINTAH	Site	NBU 920-12P
Rig Name/No.		Event	COMPLETION
Start Date	9/15/2011	End Date	9/27/2011
Spud Date	1/27/2011	Active Datum	RKB @4,742.01ft (above Mean Sea Level)
UWI	SE/SE/O/S/20/E/12/O/O/26/PM/S/659/E/O/471/O/O		

1.3 General

Contractor	JW WIRELINE	Job Method	PERFORATE	Supervisor	STEVE WALL, SR.
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	11,170.0 (ft)-11,489.0 (ft)	Start Date/Time	9/21/2011 12:00AM
No. of Intervals	13	End Date/Time	9/23/2011 12:00AM
Total Shots	96	Net Perforation Interval	26.00 (ft)
Avg Shot Density	3.69 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

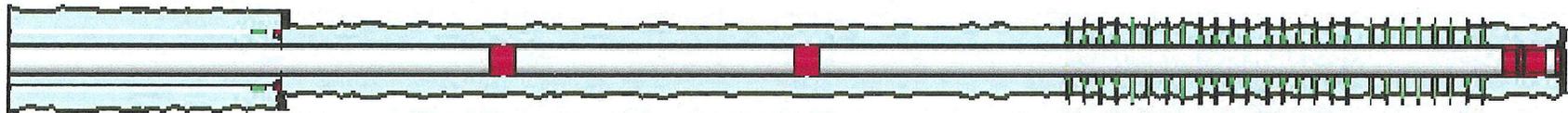
Date	Formation/ Reservoir	CCL@ (ft)	CCL-T S (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
9/23/2011 12:00AM	MESA VERDE/			11,170.0	11,172.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-T S (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
9/23/2011 12:00AM	MESA VERDE/			11,182.0	11,186.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/23/2011 12:00AM	MESA VERDE/			11,198.0	11,200.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
9/23/2011 12:00AM	MESA VERDE/			11,240.0	11,242.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/23/2011 12:00AM	MESA VERDE/			11,259.0	11,261.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/23/2011 12:00AM	MESA VERDE/			11,270.0	11,272.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/23/2011 12:00AM	MESA VERDE/			11,330.0	11,332.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/23/2011 12:00AM	MESA VERDE/			11,338.0	11,340.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/23/2011 12:00AM	MESA VERDE/			11,354.0	11,356.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/21/2011 12:00AM	MESA VERDE/			11,447.0	11,448.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/21/2011 12:00AM	MESA VERDE/			11,460.0	11,462.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/21/2011 12:00AM	MESA VERDE/			11,472.0	11,474.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/21/2011 12:00AM	MESA VERDE/			11,488.0	11,489.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P	Spud Conductor: 12/22/2010	Spud Date: 1/27/2011
Project: UTAH-UINTAH	Site: NBU 920-12P	Rig Name No:
Event: COMPLETION	Start Date: 9/15/2011	End Date: 9/27/2011
Active Datum: RKB @4,742.01ft (above Mean Sea Level)	UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/19/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, MOVING RIG & EQUIP
	7:30 - 15:00	7.50	COMP	30	A	P		MIRU F/ NBU 921-35N1BS, STANDBY FOR FRAC CREW.
9/20/2011	7:00 - 15:00	8.00	COMP	46		P		STAND BY FOR FRAC CREW.
9/21/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, RIGGING UP WIRE LINE.
	7:30 - 15:00	7.50	COMP	34	H	P		SICP 1300 PSI, BLEAD WELL OFF, RU JW WIRE LINE, RIH W/ 31/8 EXP GNS, 23 GRM, .36" HOLES, PERF 1ST STG AS OF PROCEDURE, POOH PREP TO FRAC IN AM. SWI SDFN.
9/22/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, RIGGING UP FRAC CREW.
	7:30 - 17:00	9.50	COMP	36	E			WAIT ON FRAC CREW. RU SUPERIOR, PRIME PUMPS & LINES & TEST TO 9,500 PSI LOST 775 PSI IN 15 MIN. SET KICK OUTS @ #1-8800, #2- 8800 , #3- 8700, #4 8700, #5- 8600, #6- 8600. SET MEC POPOFF @ 8630 PSI.HAD BAD AIR VALVE ON BLEANDER WILL HAVE TO FIX.SWI SDFN
9/23/2011	7:00 - 8:38	1.63	COMP	48		P		HSM W/ SUPERIOR WATCH SURFACE & STAY WAY FROM HIGH PRESSURE LINES. (STG#1) WHP 2057 PSI, BRK @ 4388 PSI, @ 4.6 BPM, ISIP 3984 PSI, FG .79.SPOT ACID ON PERFS SHUT DWN LET SOAK FOR 10 MIN. CALC PERFS OPEN @ 49.7 BPM, @ 7420 PSI = 100 % PERFS OPEN. MP 8874 PSI, MR 50.2 BPM, AP 7239 PSI, AR 45.6 BPM, ISIP 4423 PSI, FG 82. NPI 439 PSI,
	8:38 - 11:38	3.00	COMP	36	E	P		(STG #2) RIH W/ 41/2 HAL 10-K CBP & 31/8 EXP GNS, 23 GM, .36" HOLES 90 DEG PHASING, SET HAL 10-K CBP @ 11,386', PERF WELL AS OF PROCEDURE. WHP 3527 PSI, BRK @ 4929 PSI, @ 4.1 BPM, ISIP 4039 PSI, FG .79. CALC PERFS OPEN @ 49.5 BPM, @ 7252 PSI = 100 % PERFS OPEN. PUMPED 516.7 BBLs OF PAD LOST RATE & PSI, SHUT DWN & RESTARED NO EXPLANATION OF WHAT HAPPENED. MP 8268 PSI, MR 49.9 BPM, AP 7089 PSI, AR 49.2 BPM, ISIP 4117 PSI, FG 80. NPI 78 PSI,
	11:38 - 14:06	2.47	COMP	36	E	P		(STG #3) RIH W/ 41/2 HAL 10-K CBP & 31/8 EXP GNS, 23 GM, .36" HOLES 90 DEG PHASING, SET HAL 10-K CBP @ 11,302', PERF WELL AS OF PROCEDURE. WHP 3733 PSI, BRK @ 5041 PSI, @ 4.5 BPM, ISIP 4156 PSI, FG .81. CALC PERFS OPEN @ 49.7 BPM, @ 7438 PSI = 94 % PERFS OPEN. MP 8296 PSI, MR 51.8 BPM, AP 7370 PSI, AR 49.9 BPM, ISIP 4114 PSI, FG 80. NPI -42 PSI,

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P		Spud Conductor: 12/22/2010		Spud Date: 1/27/2011	
Project: UTAH-UINTAH		Site: NBU 920-12P		Rig Name No:	
Event: COMPLETION		Start Date: 9/15/2011		End Date: 9/27/2011	
Active Datum: RKB @4,742.01ft (above Mean Sea Level)			UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	14:06 - 16:40	2.57	COMP					(STG #4) RIH W/ 41/2 HAL 10-K CBP & 31/8 EXP GNS, 23 GM, .36" HOLES 120 DEG PHASING, SET HAL 10-K CBP @ 11,230', PERF WELL AS OF PROCEDURE. WHP 3756 PSI, BRK @ 5013 PSI, @ 4.5 BPM, ISIP 4059 PSI, FG .80. CALC PERFS OPEN @ 49.7 BPM, @ 6879 PSI = 100 % PERFS OPEN. MP 8419 PSI, MR 50.4 BPM, AP 7148 PSI, AR 49.5 BPM, ISIP 4016 PSI, FG 80. NPI -43 PSI. TOTAL 297,642 LBS 30/50 TLC. TOTAL 13,039 BBLS WATER. 1326 GALS SCALE INH 282 GALS BIOCID
	16:40 - 18:00	1.33	COMP	34	I			(KILL PLUG) RIH SET HAL 8-K CBP @ 11,120, POOH SW, RD WIRE LINE & FRAC CREW, SDFWE. HSM, PICKING UP TBG OFF FLOAT.
9/26/2011	7:00 - 7:30	0.50	COMP	48		P		SICP 0, ND FV, NU 10-K BOPS & HYD, RU FLOOR & TBG EQUIP.
	7:00 - 8:00	1.00	COMP	30	F	P		PU 37/8 BIT, POBS, 1.875 X/N & 351 JTS 23/8 L-80 OFF FLOAT. RU DRLG EQUIP, PREP TO D/O IN AM. SWI SDFN.
	8:00 - 16:30	8.50	COMP	31	I	P		HSM, DRILL OUT PLUGS W/ HIGH PRESSURE.
9/27/2011	7:00 - 7:30	0.50	COMP	48		P		

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 920-12P		Spud Conductor: 12/22/2010		Spud Date: 1/27/2011	
Project: UTAH-UINTAH		Site: NBU 920-12P		Rig Name No:	
Event: COMPLETION		Start Date: 9/15/2011		End Date: 9/27/2011	
Active Datum: RKB @4,742.01ft (above Mean Sea Level)			UWI: SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 13:00	5.50	COMP	44	C	P		<p>BROKE CIRC CONVENTIONAL TEST BOPS TO 3,000 PSI FOR 15 MIN, NO PSI LOSS, RIH.</p> <p>C/O 10' SAND TAG 1ST PLUG @ 11,124' DRL PLG IN 12 MIN 1500# PSI INCREASE RIH.</p> <p>C/O 30' SAND TAG 2ND PLUG @ 11,230' DRL PLG IN 10 MIN 1500# PSI INCREASE RIH</p> <p>C/O 30' SAND TAG 3RD PLUG @ 11,302' DRL PLG IN 10 MIN 1000# PSI INCREASE RIH</p> <p>C/O 30' SAND TAG 4TH PLUG @ 11,386' DRL PLG IN 9 MIN 800# PSI INCREASE RIH</p> <p>C/O TO PBTD @ 11,624 ' CIRC CLEAN, RACK OUT SWIVEL. L/D 10 JTS, LAND TBG ON 257 JTS 23/8 L-80. RD FLOOR, ND BOPS NU WH. PUMP OFF BIT, LET WELL SET FOR 30 MIN FOR BIT TO FALL. TURN WELL OVER TO FB CREW. RDMOL. SICP = 4200 FTP = 100</p> <p>KB = 14' HANGER 41/16 = .83' 357 JTS 23/8 L-80 = 11,279.62' (SURFAC VALVE OPEN W/ POP OFF ASSEMBLY) 1.875 X/N & POBS = 2.20' EOT @ 11,296.65'</p> <p>TWTR = 13,219 BBLS TWR = 1100 BBLS TWLTR =12,119 BBLS</p> <p>372 JTS HAULED OUT 357 LANDED 15 TO RETURN</p>
9/28/2011	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 4700#, TP 4350#, 16/64" CK, 48 BWPH, LIGHT SAND, 3.1 GAS TTL BBLS RECOVERED: 2192 BBLS LEFT TO RECOVER: 11027</p>
9/29/2011	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 5000#, TP 4350#, 16/64" CK, 37 BWPH, LIGHT SAND, 3.6 GAS TTL BBLS RECOVERED: 3160 BBLS LEFT TO RECOVER: 10059</p>

1 General**1.1 Customer Information**

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 920-12P	Wellbore No.	OH
Well Name	NBU 920-12P	Common Name	NBU 920-12P
Project	UTAH-UINTAH	Site	NBU 920-12P
Vertical Section Azimuth	0.00 (°)	North Reference	True
Origin N/S		Origin E/W	
Spud Date	1/27/2011	UWI	SE/SE/0/9/S/20/E/12/0/0/26/PM/S/659/E/0/471/0/0
Active Datum	RKB @4,742.01ft (above Mean Sea Level)		

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

Survey Name	Survey #1	Company	CAPSTAR
Started	1/27/2011	Ended	
Tool Name	TOT	Engineer	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
5.00	0.00	0.00	5.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
1/27/2011	Tie On	5.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1/27/2011	NORMAL	111.00	1.50		110.99	1.39	0.00	1.39	1.42	1.42	0.00	0.00
	NORMAL	518.00	0.50		517.92	8.49	0.00	8.49	0.25	-0.25	0.00	180.00
	NORMAL	931.00	1.00		930.89	13.90	0.00	13.90	0.12	0.12	0.00	0.00
1/28/2011	NORMAL	1,343.00	2.00		1,342.74	24.68	0.00	24.68	0.24	0.24	0.00	0.00
	NORMAL	1,724.00	1.50		1,723.56	36.32	0.00	36.32	0.13	-0.13	0.00	180.00
	NORMAL	2,135.00	1.75		2,134.40	47.97	0.00	47.97	0.06	0.06	0.00	0.00
1/29/2011	NORMAL	2,549.01	2.00		2,548.18	61.52	0.00	61.52	0.06	0.06	0.00	0.00
	NORMAL	2,805.01	2.00		2,804.02	70.45	0.00	70.45	0.00	0.00	0.00	0.00

2.2 Survey Name: Survey #2

Survey Name	Survey #2	Company	SDI
Started	8/8/2011	Ended	
Tool Name	MWD	Engineer	Anadarko

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
2,805.01	2.00	0.00	2,804.02	70.45	0.00

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
8/8/2011	Tie On	2,805.01	2.00	0.00	2,804.02	70.45	0.00	70.45	0.00	0.00	0.00	0.00
8/14/2011	NORMAL	2,896.01	1.49	160.97	2,895.01	70.92	0.39	70.92	3.78	-0.56	176.89	171.88
	NORMAL	2,959.01	1.14	169.15	2,957.99	69.53	0.77	69.53	0.63	-0.56	12.98	155.84
	NORMAL	3,054.01	0.68	169.65	3,052.98	68.05	1.05	68.05	0.48	-0.48	0.53	179.26
	NORMAL	3,148.01	0.67	328.56	3,146.97	67.97	0.86	67.97	1.41	-0.01	169.05	169.53
	NORMAL	3,243.01	0.73	7.49	3,241.97	69.04	0.65	69.04	0.49	0.06	40.98	102.55
	NORMAL	3,338.01	0.55	345.47	3,336.96	70.08	0.62	70.08	0.32	-0.19	-23.18	-136.87
	NORMAL	3,432.01	1.93	321.02	3,430.94	71.75	-0.49	71.75	1.54	1.47	-26.01	-33.50
	NORMAL	3,527.01	1.93	306.41	3,525.89	73.94	-2.79	73.94	0.52	0.00	-15.38	-97.30
	NORMAL	3,621.01	2.20	280.24	3,619.83	75.20	-5.83	75.20	1.03	0.29	-27.84	-87.36
	NORMAL	3,716.01	2.23	270.22	3,714.76	75.54	-9.48	75.54	0.41	0.03	-10.55	-90.59
	NORMAL	3,810.01	2.55	282.60	3,808.68	75.27	-13.38	75.27	0.48	0.34	-8.11	-48.65
	NORMAL	3,905.01	2.29	255.02	3,903.59	74.51	-17.31	74.51	0.43	-0.27	-7.98	-132.83
	NORMAL	3,999.01	2.02	248.05	3,997.52	73.41	-20.66	73.41	0.40	-0.29	-7.41	-139.30
	NORMAL	4,094.01	1.58	223.96	4,092.48	71.84	-23.12	71.84	0.91	-0.46	-25.36	-131.85
	NORMAL	4,189.01	0.96	267.62	4,187.46	70.86	-24.83	70.86	1.16	-0.65	45.96	143.18
8/15/2011	NORMAL	4,283.01	0.97	330.52	4,281.45	71.52	-26.00	71.52	1.07	0.01	66.91	120.96
	NORMAL	4,378.01	0.76	286.57	4,376.44	72.40	-27.00	72.40	0.71	-0.22	-46.26	-128.72
	NORMAL	4,472.01	1.19	340.22	4,470.43	73.50	-27.93	73.50	1.02	0.46	57.07	93.26
	NORMAL	4,567.01	0.70	331.57	4,565.41	74.94	-28.54	74.94	0.54	-0.52	-9.11	-168.06
	NORMAL	4,661.01	1.07	28.75	4,659.40	76.21	-28.39	76.21	0.97	0.39	60.83	97.60
	NORMAL	4,756.01	0.70	60.45	4,754.39	77.27	-27.46	77.27	0.63	-0.39	33.37	142.21
	NORMAL	4,851.01	0.60	104.79	4,849.39	77.43	-26.48	77.43	0.53	-0.11	46.67	122.86
	NORMAL	4,945.01	1.46	358.71	4,943.38	78.51	-26.03	78.51	1.84	0.91	-112.85	-125.60
	NORMAL	5,039.01	2.46	349.32	5,037.32	81.69	-26.43	81.69	1.11	1.06	-9.99	-22.53
	NORMAL	5,134.01	1.71	351.21	5,132.26	85.09	-27.02	85.09	0.79	-0.79	1.99	175.71
	NORMAL	5,228.01	1.41	333.41	5,226.22	87.51	-27.75	87.51	0.60	-0.32	-18.94	-130.45
	NORMAL	5,323.01	1.14	333.37	5,321.20	89.40	-28.70	89.40	0.28	-0.28	-0.04	-179.83
	NORMAL	5,418.01	0.95	328.67	5,416.18	90.92	-29.53	90.92	0.22	-0.20	-4.95	-158.06
	NORMAL	5,512.01	0.61	329.40	5,510.17	92.01	-30.19	92.01	0.36	-0.36	0.78	178.69
	NORMAL	5,607.01	0.50	293.90	5,605.17	92.62	-30.83	92.62	0.37	-0.12	-37.37	-124.95
	NORMAL	5,701.01	0.18	260.78	5,699.17	92.76	-31.35	92.76	0.39	-0.34	-35.23	-164.27
	NORMAL	5,796.01	0.62	190.24	5,794.17	92.23	-31.59	92.23	0.62	0.46	-74.25	-87.40
	NORMAL	5,890.01	0.88	181.80	5,888.16	91.01	-31.70	91.01	0.30	0.28	-8.98	-27.28
	NORMAL	5,985.01	0.84	178.54	5,983.15	89.58	-31.71	89.58	0.07	-0.04	-3.43	-130.89
	NORMAL	6,079.01	1.35	187.41	6,077.13	87.80	-31.83	87.80	0.57	0.54	9.44	22.85
8/16/2011	NORMAL	6,174.01	1.41	182.51	6,172.10	85.52	-32.03	85.52	0.14	0.06	-5.16	-65.51
	NORMAL	6,269.01	1.06	201.49	6,267.08	83.53	-32.40	83.53	0.56	-0.37	19.98	139.78
	NORMAL	6,363.01	0.24	291.01	6,361.08	82.79	-32.90	82.79	1.15	-0.87	95.23	167.22
	NORMAL	6,458.01	0.24	257.87	6,456.08	82.82	-33.29	82.82	0.14	0.00	-34.88	-106.57
	NORMAL	6,552.01	0.33	233.42	6,550.08	82.62	-33.69	82.62	0.16	0.10	-26.01	-66.14
	NORMAL	6,647.01	0.09	34.15	6,645.08	82.52	-33.87	82.52	0.44	-0.25	169.19	175.91
	NORMAL	6,741.01	1.76	356.18	6,739.06	84.02	-33.93	84.02	1.80	1.78	-40.39	-39.85
	NORMAL	6,836.01	1.24	346.56	6,834.03	86.48	-34.26	86.48	0.61	-0.55	-10.13	-158.92
	NORMAL	6,930.01	0.95	351.51	6,928.01	88.24	-34.62	88.24	0.32	-0.31	5.27	164.40
	NORMAL	7,025.01	0.59	348.40	7,023.00	89.49	-34.83	89.49	0.38	-0.38	-3.27	-174.93
	NORMAL	7,120.01	0.28	291.45	7,118.00	90.06	-35.14	90.06	0.52	-0.33	-59.95	-151.78
	NORMAL	7,214.01	0.97	354.86	7,211.99	90.94	-35.43	90.94	0.94	0.73	67.46	79.92
	NORMAL	7,309.01	0.94	358.34	7,306.98	92.52	-35.52	92.52	0.07	-0.03	3.66	119.08
8/17/2011	NORMAL	7,403.01	0.81	348.32	7,400.97	93.94	-35.68	93.94	0.21	-0.14	-10.66	-135.29

2.2.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
8/17/2011	NORMAL	7,782.02	0.79	343.46	7,779.93	99.06	-36.97	99.06	0.02	-0.01	-1.28	-108.84
8/18/2011	NORMAL	7,876.02	0.53	329.55	7,873.93	100.06	-37.37	100.06	0.32	-0.28	-14.80	-155.18
	NORMAL	7,971.02	0.62	337.54	7,968.92	100.91	-37.79	100.91	0.13	0.09	8.41	45.74
	NORMAL	8,065.02	0.70	335.26	8,062.92	101.91	-38.23	101.91	0.09	0.09	-2.43	-19.32
	NORMAL	8,160.02	0.56	331.81	8,157.91	102.84	-38.69	102.84	0.15	-0.15	-3.63	-166.56
	NORMAL	8,254.02	0.47	329.55	8,251.91	103.58	-39.10	103.58	0.10	-0.10	-2.40	-168.41
	NORMAL	8,349.02	0.35	333.94	8,346.91	104.18	-39.42	104.18	0.13	-0.13	4.62	167.52
	NORMAL	8,443.02	0.35	311.53	8,440.90	104.62	-39.77	104.62	0.14	0.00	-23.84	-101.20
8/19/2011	NORMAL	8,601.02	0.44	271.89	8,598.90	104.96	-40.73	104.96	0.18	0.06	-25.09	-92.28
	NORMAL	8,822.02	0.54	217.01	8,819.90	104.16	-42.21	104.16	0.21	0.05	-24.83	-106.32
	NORMAL	9,326.02	1.67	171.34	9,323.80	95.00	-42.53	95.00	0.27	0.22	-9.06	-82.30
8/20/2011	NORMAL	9,515.02	1.81	260.29	9,512.74	91.78	-45.06	91.78	1.29	0.07	47.06	132.12
8/21/2011	NORMAL	9,862.02	1.67	152.36	9,859.65	86.37	-48.12	86.37	0.81	-0.04	-31.10	-145.63
8/22/2011	NORMAL	10,274.02	1.78	150.87	10,271.47	75.46	-42.22	75.46	0.03	0.03	-0.36	-22.93
8/26/2011	NORMAL	11,600.02	2.90	157.10	11,596.35	26.57	-19.14	26.57	0.09	0.08	0.47	15.92
	NORMAL	11,693.02	2.90	157.10	11,689.23	22.24	-17.31	22.24	0.00	0.00	0.00	0.00