

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-0469
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator WESTPORT OIL & GAS COMPANY, L.P.		7. If Unit or CA Agreement, Name and No. Natural Buttes
3a. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	3b. Phone No. (include area code) (435) 781-7060	8. Lease Name and Well No. NBU 1022-20P
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE 472' FSL 690' FEL 631952X 39.928394 At proposed prod. Zone 4420741Y -109.455848		9. API Well No. 43-047-37354
14. Distance in miles and direction from nearest town or post office* 23.2 MILES SOUTHEAST OF OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 472'	16. No. of Acres in lease 640	11. Sec., T., R., M., or Blk, and Survey or Area SEC 20-T10S-R22E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 8625'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5419' GL	22. Approximate date work will start* UPON APPROVAL	13. State UT
20. BLM/BIA Bond No. on file CO-1203		
23. Estimated duration TO BE DETERMINED		

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) DEBRA DOMENICI	Date 10/28/2005
Title ASSOCIATE ENVIRONMENTAL ANALYST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 11-03-05
Title ENVIRONMENTAL SCIENTIST III		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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

*(Instructions on reverse)

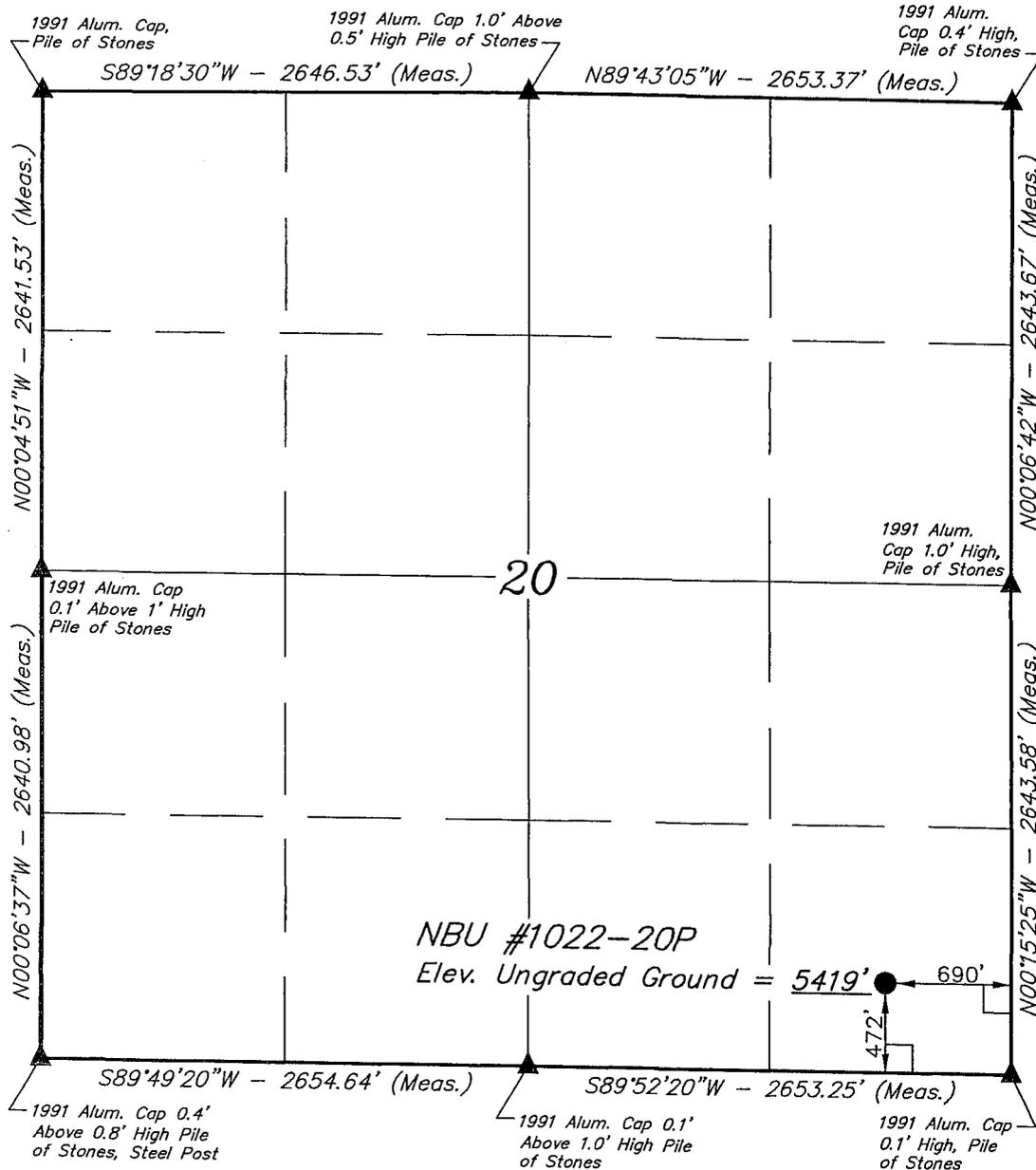
**Federal Approval of this
Action is Necessary**

RECEIVED

NOV 02 2005

DIV. OF OIL, GAS & MINING

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



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 39°55'42.56" (39.928489)
 LONGITUDE = 109°27'23.64" (109.456567)

(NAD 27)
 LATITUDE = 39°55'42.68" (39.928522)
 LONGITUDE = 109°27'21.18" (109.455883)

WESTPORT OIL AND GAS COMPANY, L.P.

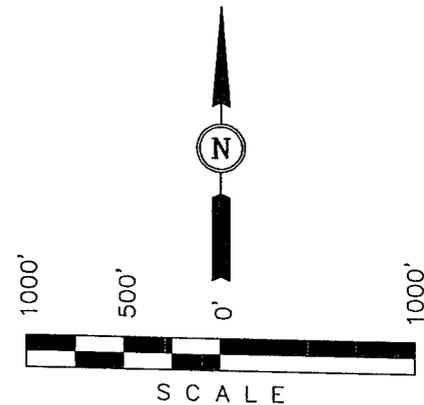
Well location, NBU #1022-20P, located as shown in the SE 1/4 SE 1/4 of Section 20, T10S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFICATE OF LAND SURVEY

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.

Robert H. ...
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-12-05	DATE DRAWN: 08-31-05
PARTY D.K. L.K. L.K.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE WESTPORT OIL AND GAS COMPANY, L.P.	

NBU 1022-20P
SESE SEC 20-T10S-R22E
UINTAH COUNTY, UTAH
UTU-0469

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1075'
Wasatch	4225'
Mesaverde	6700'
TD	8625'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1075'
Gas	Wasatch	4225'
Gas	Mesaverde	6700'
Water	N/A	
Other Minerals	N/A	

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

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

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

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8625' TD, approximately equals 5347.5 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3450 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.

10. **Other Information:**

Please see Natural Buttes Unit SOP.



Westport Oil and Gas Company, L.P.
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 1900	32.30	H-40	STC	2270 0.76*****	1370 1.66	254000 4.73
PRODUCTION	4-1/2"	0 to 8625	11.60	M-80 or I-80	LTC	7780 2.60	6350 1.30	201000 2.30

- 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 = 10.9 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 2991 psi
- ***** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	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	3,725'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	390	60%	11.00	3.38
	TAIL	4,900'	50/50 Poz/G + 10% salt + 2% gel	1370	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 15% 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" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 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 Tolco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

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

DRILLING ENGINEER: _____
Brad Laney

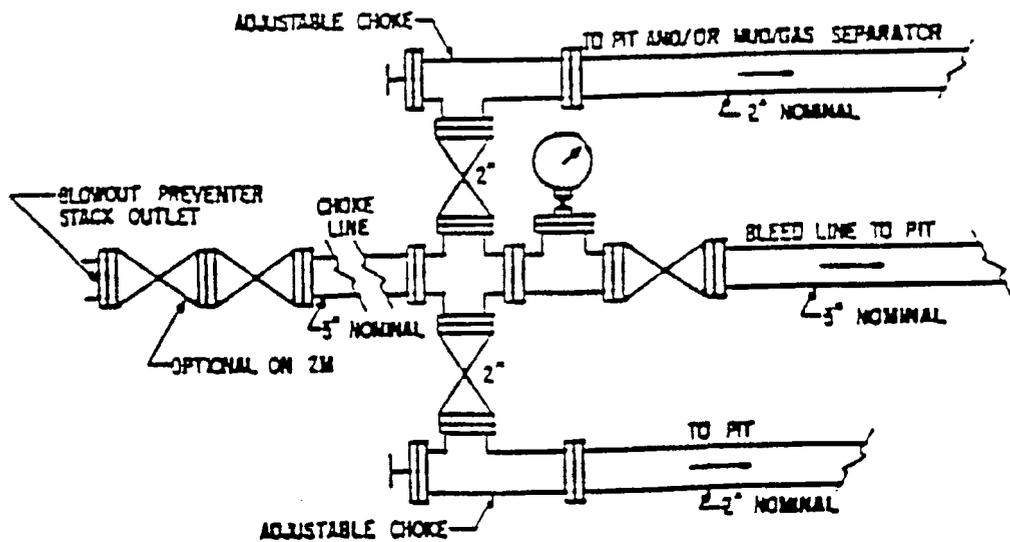
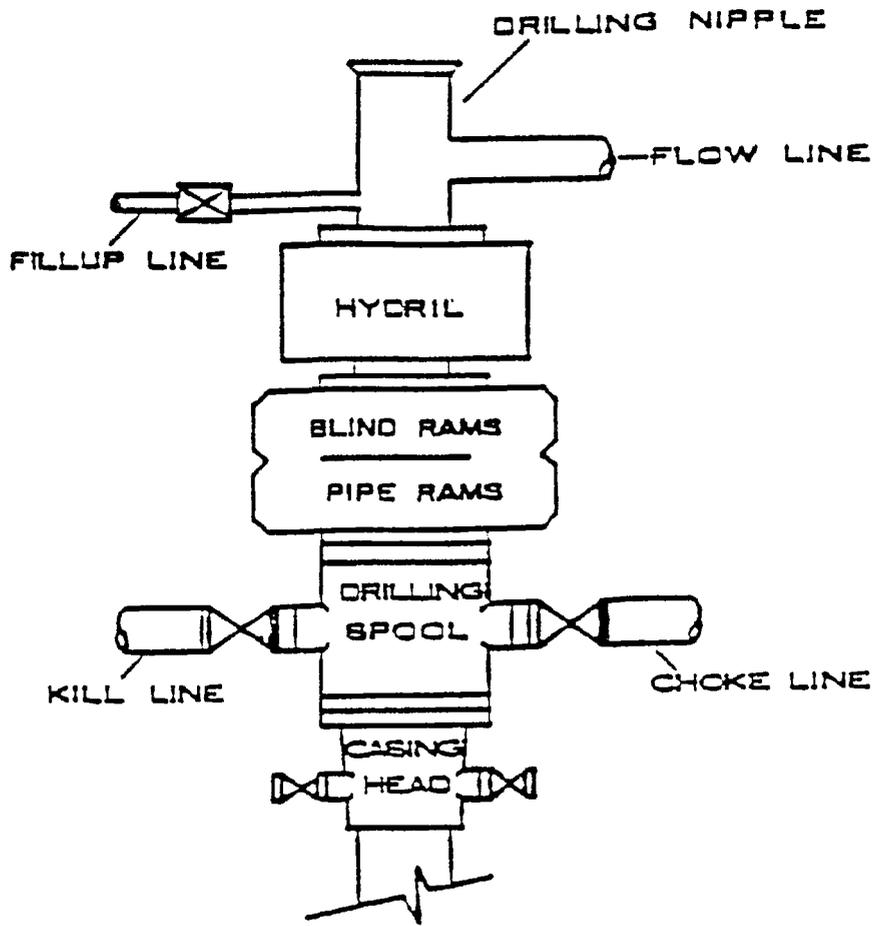
DATE: _____

DRILLING SUPERINTENDENT: _____
Randy Bayne

DATE: _____

3,000 PSI

BOP STACK



NBU 1022-20P
SESE SEC 20-T10S-R22E
UINTAH COUNTY, UTAH
UTU-0469

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the NBU 1022-20P on 10/25/05, for the subject well.

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:

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

Approximately 20' of new access road is proposed. Refer to Topo Map B.

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.

Variances to Best Management Practices (BMPs) Requested:

Approximately 45' 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 Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

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.

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 (*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.

As per previous onsite discussion, a 20 mil reserve pit liner with felt will be used.

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.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. 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 Wheat Grass	6 lbs.
Needle and Thread Grass	6 lbs.

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

11. Surface Ownership:

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

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

12. Stipulations:**Wildlife Stipulations:****Antelope Stipulations:**

No construction from May 15 through June 20.

13. Other Information:

A Class III archaeological survey and a paleontological survey have been performed and will be filed when received.

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:

Debra Domenici
Associate Environmental Analyst
Westport O&G Co.
1368 South 1200 East
Vernal, UT 84078
(435) 781-7060

Randy Bayne
Drilling Manager
Westport O&G Co.
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

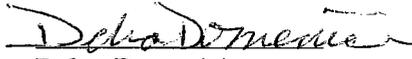
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Westport O&G Co. is considered to be the operator of the subject well. Westport O&G Co. 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 BLM Nationwide Bond #CO-1203.

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.


Debra Domenici

10/28/2005

Date

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #1022-20P

SECTION 20, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 8.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY DIRECTION APPROXIMATELY 20' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.2 MILES.

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #1022-20P
LOCATED IN UINTAH COUNTY, UTAH
SECTION 20, T10S, R22E, S.L.B.&M.

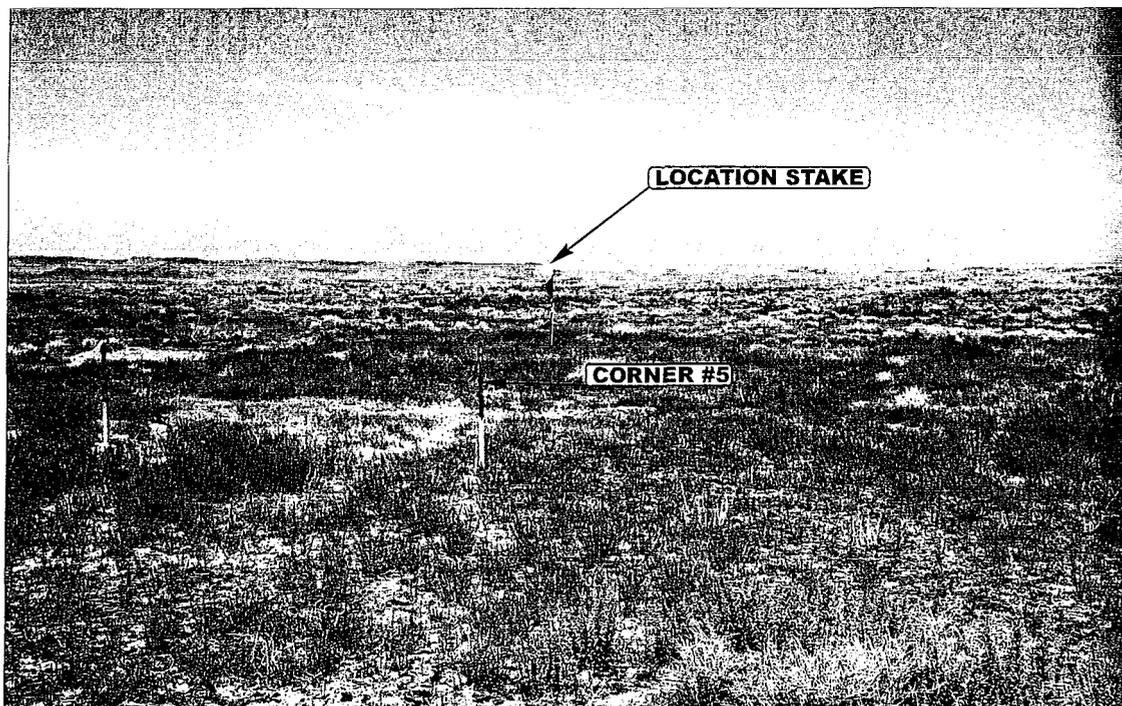


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

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

LOCATION PHOTOS	08	23	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: C.P.		REVISED: 00-00-00	



LEGEND:

○ PROPOSED LOCATION



WESTPORT OIL AND GAS COMPANY, L.P.

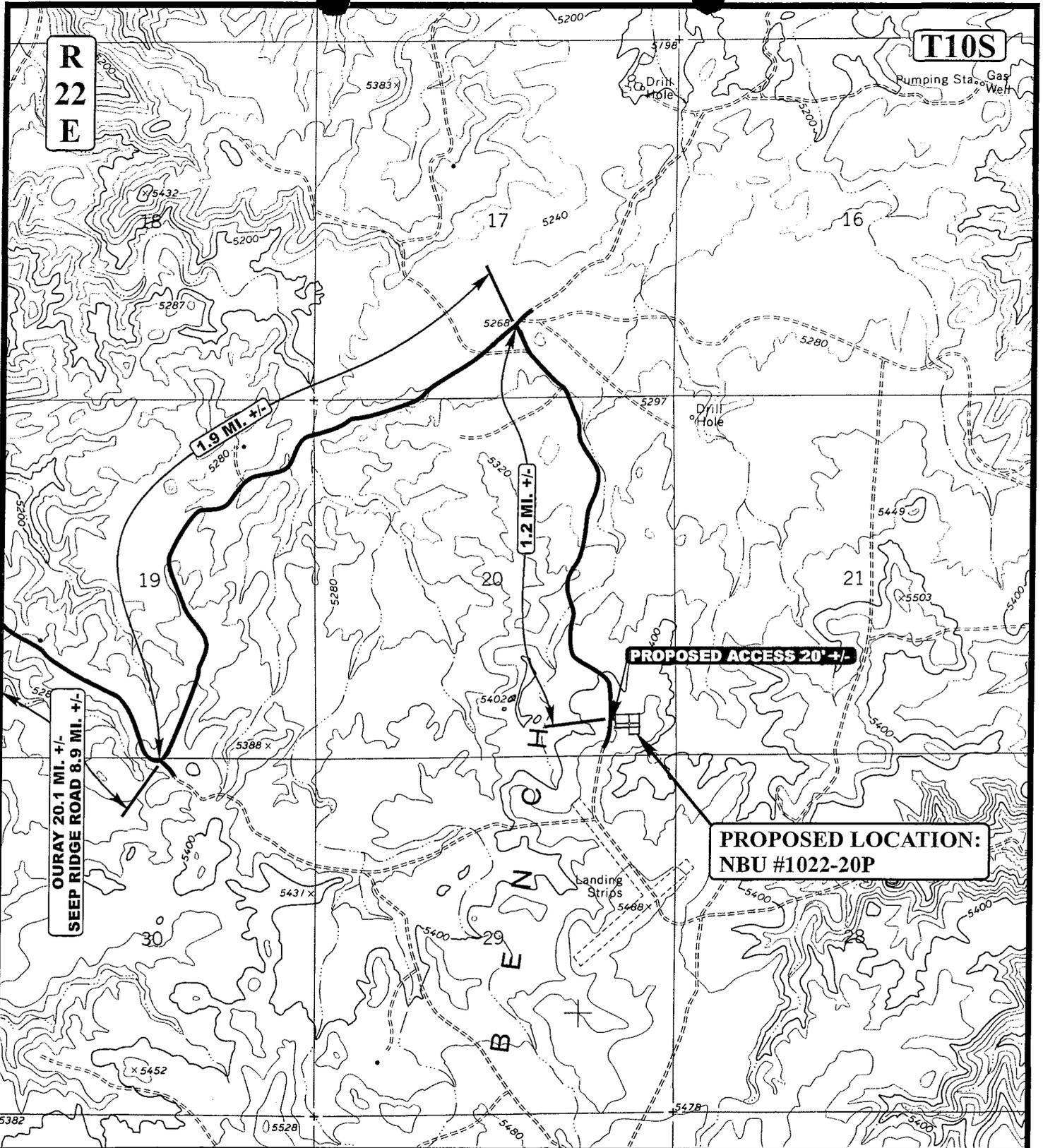
NBU #1022-20P
 SECTION 20, T10S, R22E, S.L.B.&M.
 472' FSL 690' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP
 08 23 05
 MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #1022-20P
 SECTION 20, T10S, R22E, S.L.B.&M.
 472' FSL 690' FEL

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E
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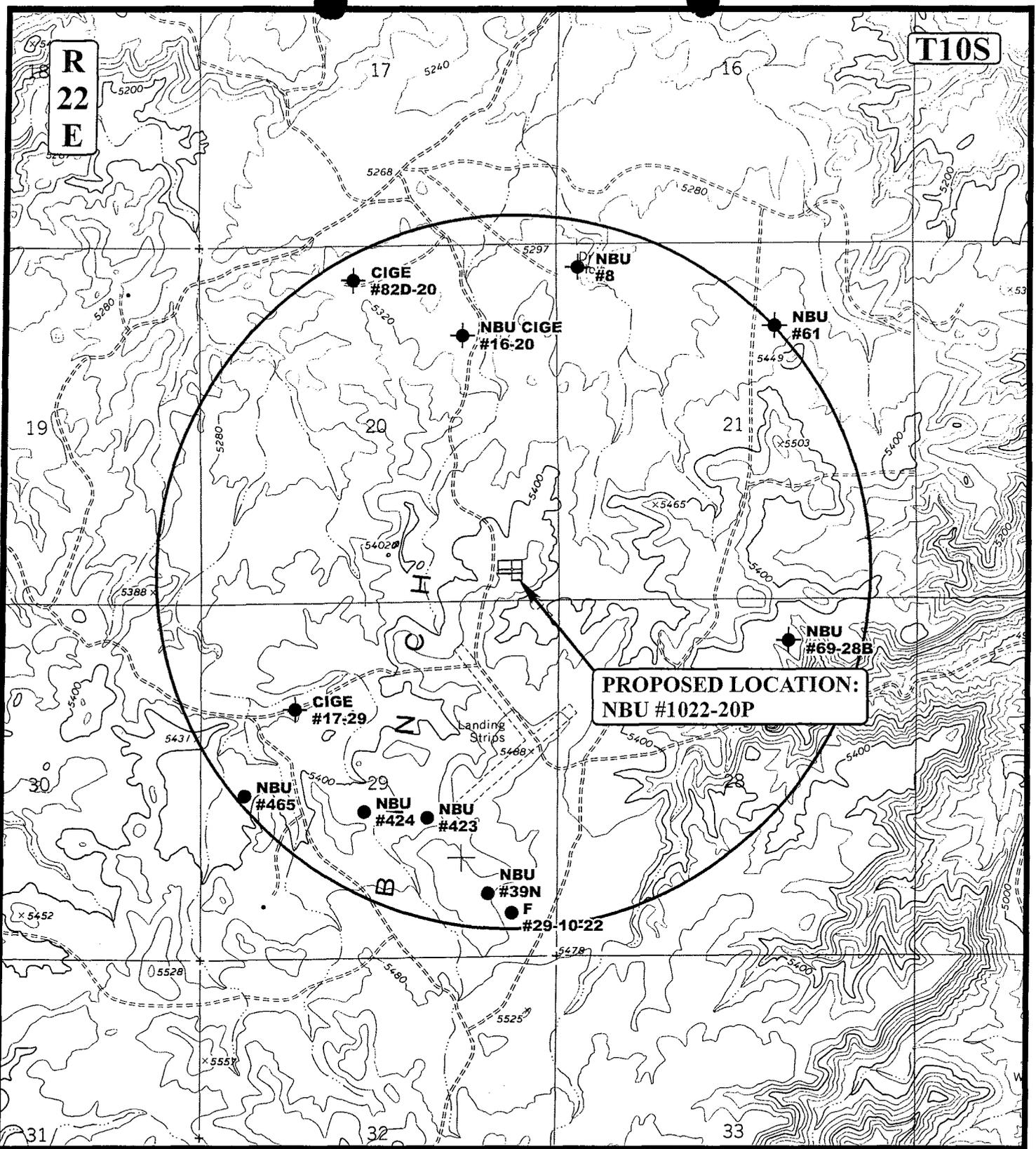
T O P O G R A P H I C 08 23 05
M A P MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
TOPO

T10S

R
22
E



**PROPOSED LOCATION:
NBU #1022-20P**

- LEGEND:**
- DISPOSAL WELLS
 - PRODUCING WELLS
 - SHUT IN WELLS
 - WATER WELLS
 - ABANDONED WELLS
 - TEMPORARILY ABANDONED

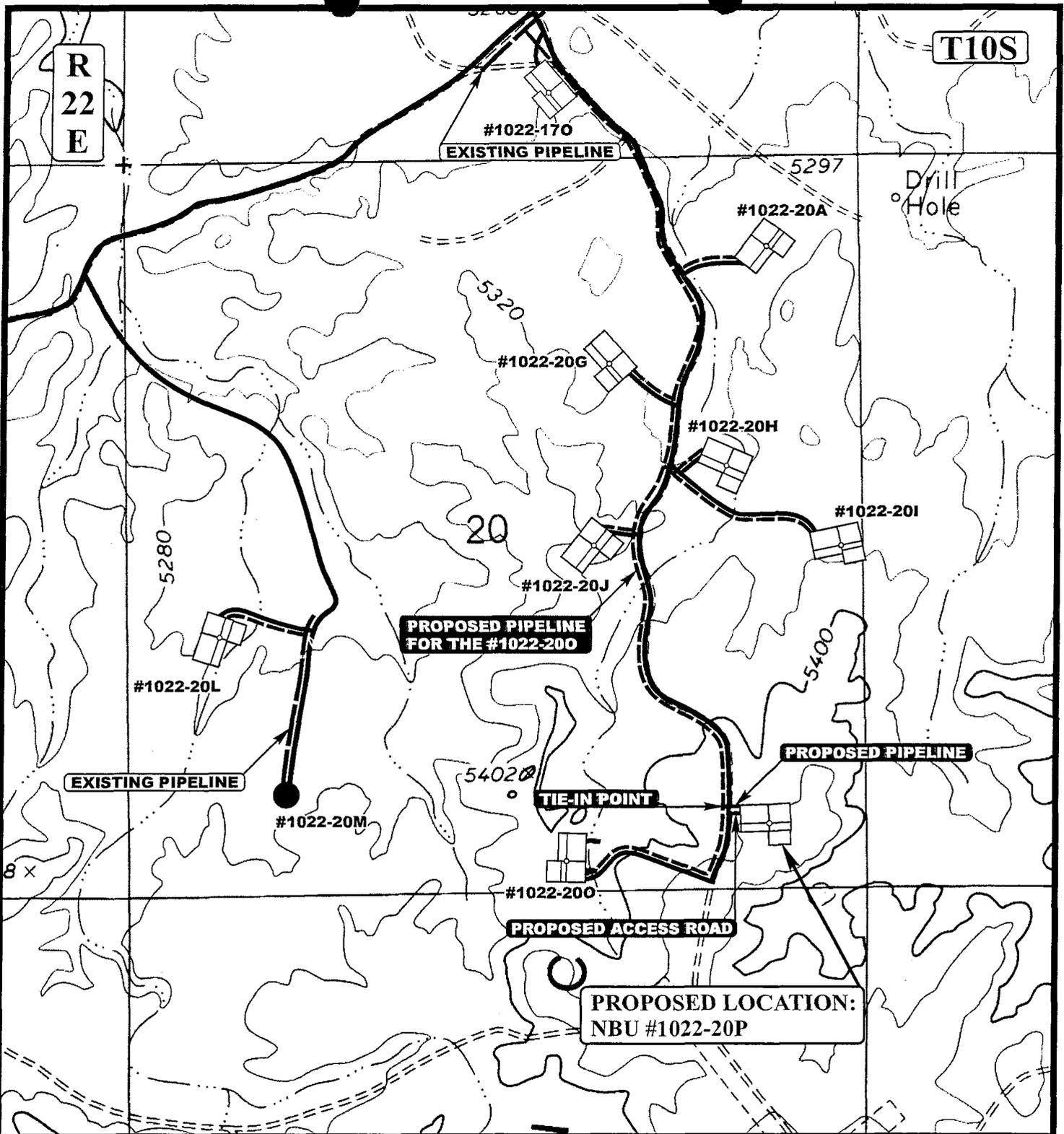
WESTPORT OIL AND GAS COMPANY, L.P.

**NBU #1022-20P
SECTION 20, T10S, R22E, S.L.B.&M.
472' FSL 690' FEL**



UEIS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP 08 23 05
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00 **C TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 45' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)



WESTPORT OIL AND GAS COMPANY, L.P.

NBU #1022-20P
 SECTION 20, T10S, R22E, S.L.B.&M.
 472' FSL 690' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP
 08 23 05
MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



WESTPORT OIL AND GAS COMPANY, L.P.

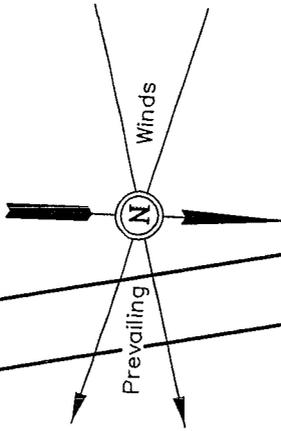
FIGURE #1

LOCATION LAYOUT FOR

NBU #1022-20P

SECTION 20, T10S, R22E, S.L.B.&M.

472' FSL 690' FEL

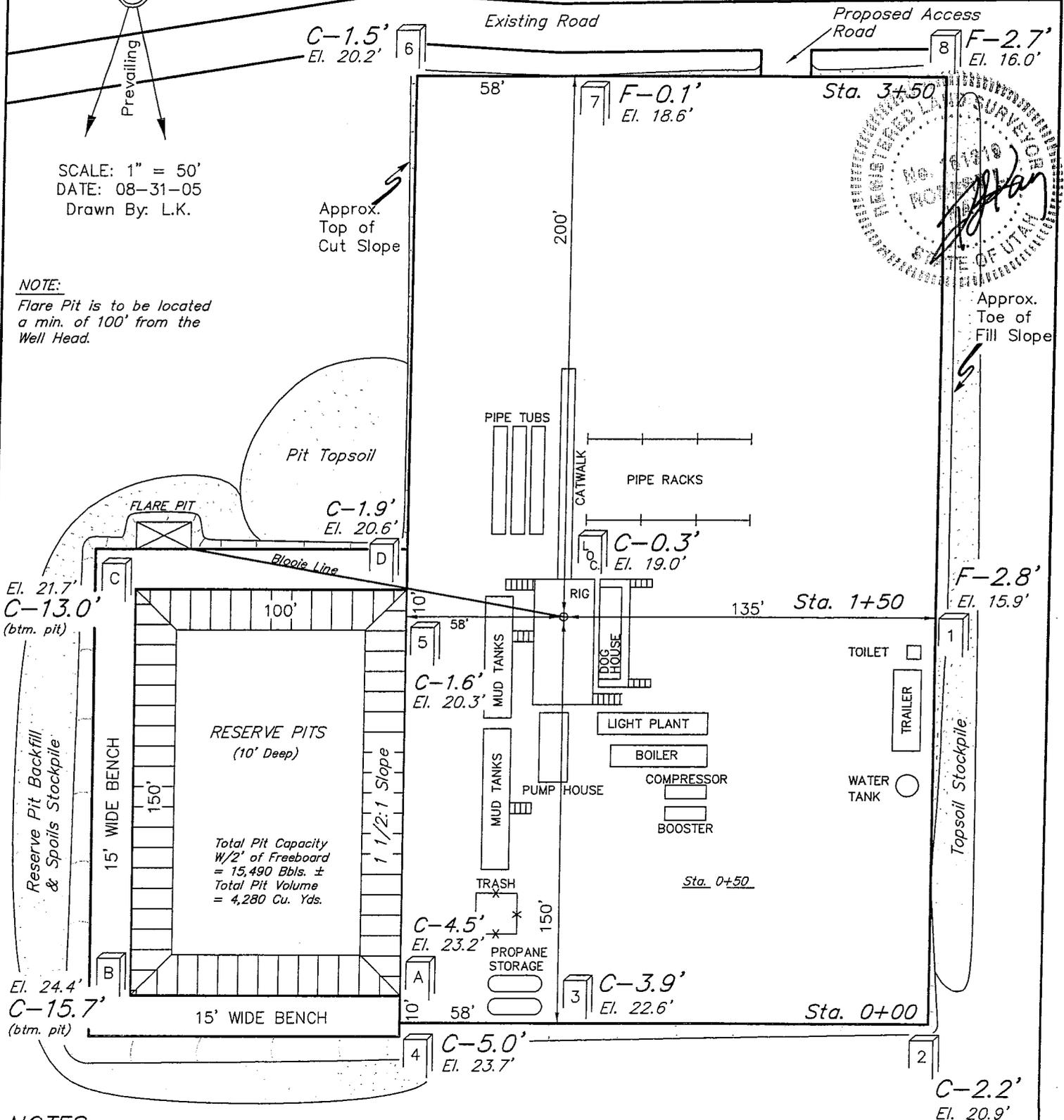
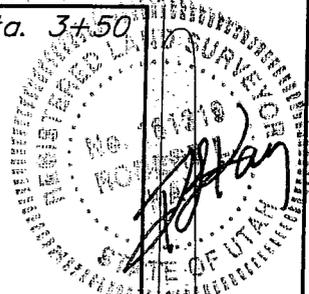


SCALE: 1" = 50'
DATE: 08-31-05
Drawn By: L.K.

NOTE:
Flare Pit is to be located
a min. of 100' from the
Well Head.

Approx.
Top of
Cut Slope

Approx.
Toe of
Fill Slope



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5419.0'
FINISHED GRADE ELEV. AT LOC. STAKE = 5418.7'

WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

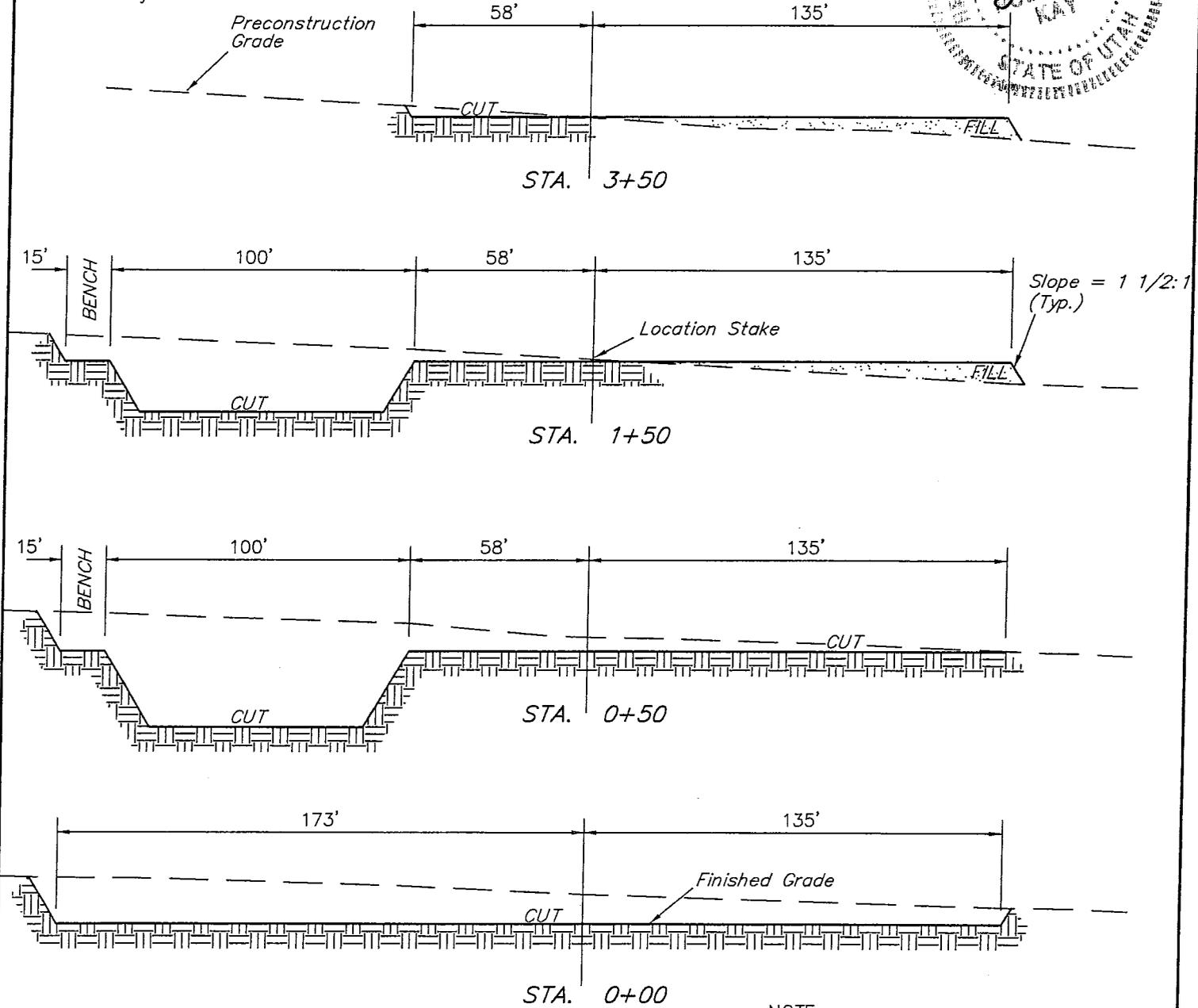
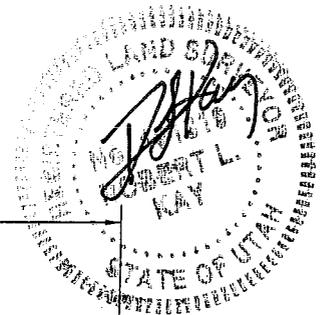
NBU #1022-20P

SECTION 20, T10S, R22E, S.L.B.&M.

472' FSL 690' FEL

X-Section Scale
1" = 50'

DATE: 08-31-05
Drawn By: L.K.



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

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

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,780 Cu. Yds.
Remaining Location	= 8,150 Cu. Yds.
TOTAL CUT	= 9,930 CU.YDS.
FILL	= 2,620 CU.YDS.

EXCESS MATERIAL	= 7,310 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,920 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 3,390 Cu. Yds.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/02/2005

API NO. ASSIGNED: 43-047-37354

WELL NAME: NBU 1022-20P
 OPERATOR: WESTPORT OIL & GAS CO (N2115)
 CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

PROPOSED LOCATION:
 SESE 20 100S 220E
 SURFACE: 0472 FSL 0690 FEL
 BOTTOM: 0472 FSL 0690 FEL
 UINTAH
 NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-0469
 SURFACE OWNER: 1 - Federal
 PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

LATITUDE: 39.92839
 LONGITUDE: -109.4559

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Fed[1] Ind[] Sta[] Fee[]
 (No. CO-1203)
 Potash (Y/N)
 Oil Shale 190-5 (B) or 190-3 or 190-13
 Water Permit
 (No. 43-8496)
 RDCC Review (Y/N)
 (Date:)
 Fee Surf Agreement (Y/N)
 Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.
 Unit NATURAL BUTTES
 R649-3-2. General
 Siting: 460' From Qtr/Qtr & 920' Between Wells
 R649-3-3. Exception
 Drilling Unit
 Board Cause No: 173.14
 Eff Date: 12.2.1999
 Siting: 460' fr ubdrg & uncomm. Tracts
 R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval
2- OIL SHALE

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)

November 3, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 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 2005 within the Natural Buttes Unit, Uintah County, Utah.

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

(Proposed PZ Wasatch-MesaVerde)

43-047-37354	NBU 1022-20P Sec 20 T10S R22E 0472 FSL 0690 FEL	
43-047-37355	NBU 1022-20J Sec 20 T10S R22E 2484 FSL 1930 FEL	
43-047-37356	NBU 1022-20H Sec 20 T10S R22E 2232 FNL 0965 FEL	
43-047-37353	NBU 1022-5A Sec 5 T10S R22E 0817 FNL 0005 FEL	

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

/s/ Michael L. Coulthard

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



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

November 3, 2005

Westport Oil & Gas Company, LP
1368 South 1200 East
Vernal, UT 84078

Re: NBU 1022-20P Well, 472' FSL, 690' FEL, SE SE, Sec. 20, T. 10 South,
R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37354.

Sincerely,

Gil Hunt
Associate Director

mf
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Westport Oil & Gas Company, LP

Well Name & Number NBU 1022-20P

API Number: 43-047-37354

Lease: UTU-0469

Location: SE SE Sec. 20 T. 10 South R. 22 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 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 Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		1/6/2006
FROM: (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	

WELL NAME	CA No.	Unit:	NATURAL BUTTES UNIT					
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- 7. Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- 8. Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 9. Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEE ATTACHED

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

*BLM BOND = C01203
BIA BOND = RLB0005239*

APPROVED 5/16/06

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

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

Name (Printed/Typed) RANDY BAYNE	Title DRILLING MANAGER
Signature <i>Randy Bayne</i>	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEE ATTACHED

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
 Division of Oil, Gas and Mining
 Earlene Russell, Engineering Technician

RECEIVED
 MAY 10 2006

DIV OF OIL, GAS & MINING

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

Name (Printed/Typed) BRAD LANEY	Title ENGINEERING SPECIALIST
Signature	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by <i>Brad Laney</i>	Title	Date 5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, 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.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :
1999 Broadway, Suite 3700 : Oil & Gas
Denver, CO 80202 :

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>

IN REPLY REFER TO:
3106
(UT-922)

March 27, 2006

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of
Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare
Dave Mascarenas
Susan Bauman

RECEIVED

MAR 28 2006

DIV. OF OIL, GAS & MINERAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-0469

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NATURAL BUTTES UNIT

8. Well Name and No.
NBU 1022-20P

9. API Well No.
4304737354

10. Field and Pool, or Exploratory Area
NATURAL BUTTES UNIT

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR MCGEE OIL AND GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
435-781-7003

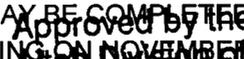
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**SESE SEC 20-T10S-R22E
472' FSL 690' FEL**

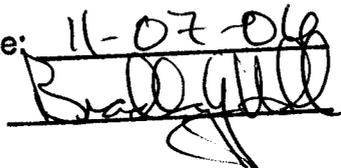
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON NOVEMBER 3, 2005.

Approved by 
 Utah Division of
 Oil, Gas and Mining

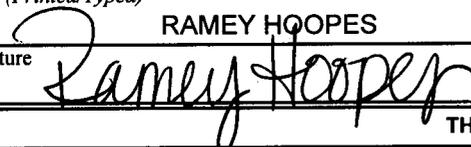
Date: **11-07-06**
 By: 

RECEIVED

NOV 07 2006

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) RAMEY HOOPES	Title REGULATORY CLERK
Signature 	Date October 30, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, 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.

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737354
Well Name: NBU 1022-20P
Location: SESE SEC 20-T10S-R22E
Company Permit Issued to: KERR MCGEE OIL AND GAS ONSHORE LP
Date Original Permit Issued: 11/3/2005

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

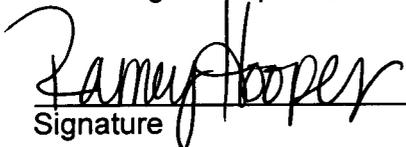
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-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


Signature

10/30/2006
Date

Title: REGULATORY CLERK

Representing: Kerr McGee Oil and Gas Onshore LP

RECEIVED

NOV 07 2006

DIV. OF OIL AND MINING

RECEIVED

OCT 28 2005

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
BLM VERNAL, UTAH

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-0469
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. <i>Natural Buttes</i>
3a. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	3b. Phone No. (include area code) (435) 781-7003	8. Lease Name and Well No. NBU 1022-20P
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE 472' FSL 690' FEL At proposed prod. Zone		9. API Well No. <i>43-047-37354</i>
14. Distance in miles and direction from nearest town or post office* 23.2 MILES SOUTHEAST OF OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 472'	16. No. of Acres in lease 640	11. Sec., T., R., M., or Bk. and Survey or Area SEC 20-T10S-R22E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease. ft. REFER TO TOPO C	19. Proposed Depth 8625'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5419' GL	20. BLM/BIA Bond No. on file CO-1203	13. State UT
22. Approximate date work will start* UPON APPROVAL		23. Estimated duration TO BE DETERMINED

24. Attachments

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

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

25. Signature <i>Ramey Hoopes</i>	Name (Printed/Typed) RAMEY HOOPEES	Date 4/17/2006
Title REGULATORY CLERK		
Approved by (Signature) <i>Jerry Revella</i>	Name (Printed/Typed) Jerry Revella	Date 6-13-2007
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

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

*(Instructions on reverse)

RECEIVED

JUL 02 2007

DIV. OF OIL, GAS & MINING

4106M
NOTICE OF APPROVAL
06 GXJ0273A

CONDITIONS OF APPROVAL ATTACHED
NOS 9-8-05



**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. 20, T10S, R22E
Well No:	NBU 1022-20P	Lease No:	UTU- 0469
API No:	43-047- 37354	Agreement:	Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	
		Fax: (435) 781-4410	

**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.
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)**

Site Specific Conditions of Approval:

- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery, and a decision as to the preferred alternative/course of action will be rendered.
- 4 to 6 inches of topsoil should be stripped from the location and windrowed as shown on the cut sheet. The topsoil shall then be broadcast seeded with the recommended seed mix immediately after it has been windrowed and the seed walked into the soil with a dozer.
- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding should take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.
- The lessee/operator is given notice that lands in the lease have been identified as containing crucial pronghorn (antelope) habitat. It is requested that the lessee/operator not initiate surface disturbing activities or drilling from May 15 through June 20. A survey may be conducted by a qualified biologist or a BLM representative during this timing period to determine if pronghorn are in the area.

Surface COAs:

- 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.

DOWNHOLE COAs:

SITE SPECIFIC DOWNHOLE COAs:

- A cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe. Justification based on proximity of Mahogany oil shale to 2000' depth level.

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.
- 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.

- 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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: NBU 1022-20P

Api No: 43-047-37354 Lease Type: FEDERAL

Section 20 Township 10S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRILLING RIG # RATHOLE

SPUDDED:

Date 10/03/07

Time 9:30 AM

How DRY

Drilling will Commence: _____

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 10/04/07 Signed CHD

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737354	NBU 1022-20P		SESE	20	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	10/3/2007		10/17/07		
Comments: MIRU PETE MARTIN BUCKET RIG. SPUD WELL LOCATION ON 10/03/2007 @ 0930 HRS. WSMVD							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739003	NBU 1021-1P		SESE	1	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	10/3/2007		10/17/07		
Comments: MIRU PETE MARTIN BUCKET RIG. SPUD WELL LOCATION ON 10/03/2007 @ 1000 HRS. WSMVD							

Well 3

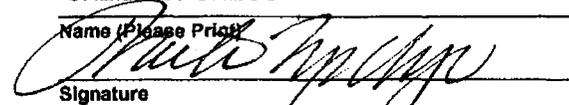
API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737918	FEDERAL 1021-26L		NWSW	26	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16390	10/4/2007		10/17/07		
Comments: MIRU PETE MARTIN BUCKET RIG. SPUD WELL LOCATION ON 10/04/2007 @ 1300 HRS. WSMVD							

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)



Signature

SENIOR LAND SPECIALIST 10/5/2007

Title

RECEIVED

OCT 09 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU 0469

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A

NATURAL BUTTES

8. Well Name and No.
NBU 1022-20P

9. API Well No.
4304737354

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR MCGEE OIL AND GAS ONSHORE LP

3a. Address **1368 SOUTH 1200 EAST VERNAL, UT 84078** 3b. Phone No. (include area code) **435-781-7003**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**472'FSL-690'FEL
SESE SEC 20-T10S-R22E**

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

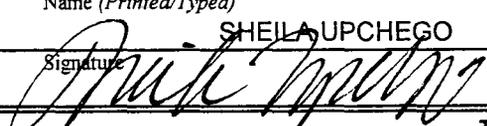
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

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

MIRU-PETE MARTIN DRILLING. DRILL 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10" PIPE. CMT W/28 SX READY MIX. SPUD WELL @ 0930 HRS ON 10/03/2007.

RECEIVED
OCT 24 2007
DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) SHEILAUPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date October 5, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
-------------	-------	------

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office
---	--------

Title 18 U.S.C. Section 1001, 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

UTU-0469

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A
NATURAL BUTTES UNIT

8. Well Name and No.

NBU 1022-20P

9. API Well No.

4304737354

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

435-781-7003

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

472'FSL-960'FEL

SESE SEC 20-T10S-R22E

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

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

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

MIRU BILL MARTIN AIR RIG ON 10/13/2007. DRILLED 12 1/4" SURFACE HOLE TO 2070'. RAN 2 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/180 SX HIFILL CLASS G @ 11.0 PPG 3.82 YLD. TAILED CMT W/200 SX PREM CLASS @ 15.8 PPG 1.15 YLD. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @ 15.8 PPG 1.15 YLD. TOP OUT W/150 SX PREM CLASS G @ 15.8 PPG 1.15 YLD. DOWN BACKSIDE. GOOD CMT TO SURFACE AND HOLE STAYED FULL. WORT.

RECEIVED

OCT 24 2007

DIV. OF OIL, GAS & MINING

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

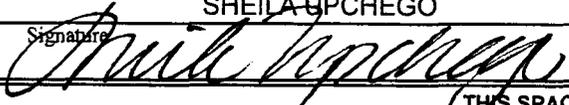
Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature



Date

October 17, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-0469

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
**UNIT #891008900A
NATURAL BUTTES UNIT**

8. Well Name and No.
NBU 1022-20P

9. API Well No.
4304737354

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE/SE SEC. 20, T10S, R22E 472'FSL, 690'FEL

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

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

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

FINISHED DRILLING FROM 2070' TO 8470' ON 11/03/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/410 SX PREM CLASS G @11.5 PPG 2.82 YIELD. TAILED CMT W/1200 SX 50/50 POZ @14.3 PPG. 1.31 YIELD. GOOD RETURNS FLOATS HELD. SET CSG SLIPS W/100K NIPPLE DOWN CUT OFF - CLEAN PITS.

RELEASED PIONEER RIG 38 ON 11/04/2007 AT 1200 HRS.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date November 5, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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

(Instructions on reverse)

RECEIVED

NOV 14 2007

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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5. Lease Serial No.
UTU-0469

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**UNIT #891008900A
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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other PRODUCTION START-UP
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

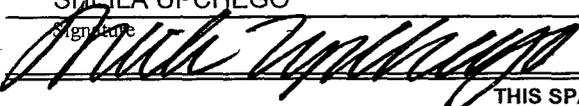
13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical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

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 01/02/2008 AT 1:00 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
JAN 08 2008
DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date January 3, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, 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.



Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

NBU 1022-20P

LOCATION SESE SEC.20, T10S, R22E
UINTAH COUNTY, UT

DATE	ACTIVITY	PIONEER 38	STATUS
09/18/07	LOCATION STARTED	PIONEER 38	
09/29/07	LOCATION COMPLETED	PIONEER 38	P/L IN, WOBR
10/03/07	SET CONDUCTOR	PIONEER 38	WOAR
10/13/07	SET AIR RIG	PIONEER 38	DRILLING
10/17/07	9-5/8" @ 2057'	PIONEER 38	WORT
10/26/07	TD: 2070' Csg. 9 5/8"@ 2057' MW: 8.4 SD: 10/XX/07 DSS: 0 Move rig f/ 1022-21G. 100% moved and 80% rigged up @ report time.		
10/29/07	TD: 5536' Csg. 9 5/8"@ 2057' MW: 9.7 SD: 10/27/07 DSS: 3 RURT. NU and test BOPE. PUDS and drill FE. Rotary spud @ 0100 hrs 10/27/07. Drill from 2070'-5536'. DA @ report time.		
10/30/07	TD: 6220' Csg. 9 5/8"@ 2057' MW: 9.9 SD: 10/27/07 DSS: 4 Drill from 5536'-6220'. DA @ report time.		
10/31/07	TD: 6868' Csg. 9 5/8"@ 2057' MW: 10.3 SD: 10/27/07 DSS: 5 Drill from 6220'-6868'. DA.		
11/01/07	TD: 7210' Csg. 9 5/8"@ 2057' MW: 10.6 SD: 10/27/07 DSS: 6 Drill from 6868'-7058'. TFNB and LDMM. TIH and drill to 7210'. DA.		
11/02/07	TD: 7910' Csg. 9 5/8"@ 2057' MW: 11.0 SD: 10/27/07 DSS: 7 Drill from 7210'-7910'. DA.		
11/05/07	TD: 8470' Csg. 9 5/8"@ 2057' MW: 12.2 SD: 10/27/07 DSS: 10 Drill from 7910'-8470' TD. Short trip and LDDS. Run Triple Combo. Run and cement 4 1/2" Production Casing. Land casing and release rig @ 1200 hrs 11/4/07. RDRT.		
12/18/07	PRESS TEST Days On Completion: 1		

Remarks: 10:00 AM HSM. MIRU B&C QUICK TEST & BLUE MOUNTAIN. ND WELL HEAD NU
FRAC VALVES. PRESSURE TEST CASING & BOTH FRAC VALES TO 7,500 PSI.
RDMO BLUE MOUNTAIN & B&C QUICK TEST. MIRU WEATHERFORD FOR AM.
FRAC. WINTERIZE WELL HEAD. SWI SDFN.

12/19/07

FRAC

Days On Completion: 2

Remarks: 6:30 AM. HSM. MIRU WEATHERFORD & CUTTERS TO PERFORATE & FRAC.
PRIME UP PUMPS & LINES PRESSURE TEST TO 8,000 PSI

STG 1) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. PERF
8,320' - 23' 4 SPF, 8,260' - 64' 4 SPF, 8,232' - 34' 4 SPF, 8,183' - 86' 3 SPF. 45 HOLES. WHP
1,300 PSI, BRK 3,985 PSI @ 3.0 BPM, ISIP 2,769 PSI, FG .77 PUMP 100 BBLS @ 49.5 BPM
@ 4,300 PSI, = 45 OF 45 HOLES OPEN MP 7,203 PSI, MR 50.5 BPM, AP 4,099 PSI, AR 50.0
BPM, ISIP 2,807 PSI, NPI 38 PSI, PUMP 3,787 BBLS SLICK WATER & 146,668 # 30/50 SAND

STG 2) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET
BAKER CBP @ 8,042' & PERF 8,003' - 12' 3 SPF, 7,986' - 88' 4 SPF, 7,921' - 23' 3 SPF, 41
HOLES. WHP 107 PSI, BRK 3,993 PSI @ 3.5 BPM, ISIP 2,759 PSI, FG .78 PUMP 100 BBLS
@ 40.2 BPM @ 4,184 PSI, = 41 OF 41 HOLES OPEN MP 4,553 PSI, MR 40.2 BPM, AP 3,772
PSI, AR 40.0 BPM, ISIP 2,527 PSI, NPI -232 PSI, PUMP 1,251 BBLS SLICK WATER & 46,585
30/50 SAND

STG 3) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET
BAKER CBP @ 7,428' & PERF 7,396' - 98' 4 SPF, 7,351' - 54' 4 SPF, 7,250' - 52' 4 SPF, 7,220'
- 24' 3 SPF, 41 HOLES.

WINTERIZE WELL HEAD. SWI SDFN

12/20/07

FRAC

Days On Completion: 3

Remarks: 6:30 AM. HSM

STG 3) WHP 1,614 PSI, BRK 4,206 PSI @ 3.5 BPM, ISIP 2,497 PSI, FG .74 PUMP 100 BBLS
@ 51.5 BPM @ 4,157 PSI, = 40 OF 40 HOLES OPEN MP 5,566 PSI, MR 53.0 BPM, AP 3,946
PSI, AR 47.9 BPM, ISIP 2,411 PSI, FG .73 NPI -86 PSI, PUMP 1,356 BBLS SLICK WATER &
54,013 # 30/50 SAND

STG 4) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET BAKER CBP
@ 7,134' & PERF 7,100' - 04 4 SPF, 6,933' - 35' 4 SPF 6,908' - 12' 4 SPF, 40 HOLES. WHP
140, BRK 4,614 @ 3.0 BPM ISIP 2,497 PSI, FG .71 PUMP 100 BBLS @ 40.6 BPM @ 3,675
PSI = 40 OF 40 HOLES OPEN MP 5,739 PSI, MR 43.5 BPM, AP 3,369 PSI, AR 39.1 BPM,
ISIP 2,248 PSI, FG .75 NPI 69 PSI, PUMP 1,009 BBLS SLICK WATER & 39,011 # 30/50 SAND

STG 5) RIH W/ 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET BAKER CBP
@ 6,683' & PERF 6,644' - 53 4 SPF, 36 HOLES. WHP 0, BRK 3,062 @ 3.5 BPM ISIP 1,481
PSI, FG .66 PUMP 100 BBLS @ 35.0 BPM @ 3,000 PSI = 36 OF 36 HOLES OPEN MP 3,033
PSI, MR 35.3 BPM, AP 2,753 PSI, AR 30.1 BPM, ISIP 2,138 PSI, FG .75 NPI 657 PSI, PUMP
883 BBLS SLICK WATER & 31,674 # 30/50 SAND

STG 6) RIH W/ 3 1/8" PORTED GNS, 12 GRM, .34 HOLES, 90 DEG PHASING. SET BAKER
CBP @ 6,430' & PERF 6,393' - 97 4 SPF, 6,130' - 36' 40 HOLES. WHP 0, BRK 2,844 @ 3.5
BPM ISIP 1,001 PSI, FG .59 PUMP 100 BBLS @ 40.0 BPM @ 3,700 PSI = 40 OF 40 HOLES
OPEN MP 3,783 PSI, MR 14.3 BPM, AP 3,145 PSI, AR 37.7 BPM, ISIP 2,064 PSI, FG .76
NPI 1,063 PSI, PUMP 529 BBLS SLICK WATER & 18,266 # 30/50 SAND

STG 7) RIH W/ 3 1/8" PORTED GNS, 12 GRM, .34 HOLES, 90 DEG PHASING. SET BAKER CBP @ 5,725' & PERF 5,686' - 95 4 SPF, 36 HOLES. WHP 0, BRK 3,460 @ 3.5 BPM ISIP 1,365 PSI, FG .67 PUMP 100 BBLS @ 40.3 BPM @ 2,965 PSI = 36 OF 36 HOLES OPEN MP 3,257 PSI, MR 41.4 BPM, AP 2,644 PSI, AR 37.3 BPM, ISIP 1,895 PSI, FG .77 NPI 530 PSI, PUMP 438 BBLS SLICK WATER & 16,163 # 30/50 SAND

KILL PLG) RIH SET 8K BAKER PLG @ 5,586' RDMO WEATHERFORD & CUTTERS WINTERIZE WELL HEAD. SWI SDFN.

12/22/07

DRILL CBP'S

Days On Completion: 5

Remarks: 7:00- JSA. START EQUIP. OPEN UP WELL. CONT RIH W/ 3-7/8" BIT FROM 5445' DOWN TO TAG SAND AT 5567' W/ 178-JTS IN. RU DRLG EQUIP. PUMP 22 BBLS TO GET CIRC.

#1- TAG SAND AT 5567'. C/O 19' SAND. TAG CBP #1 AT 5586' W/ 178-JTS IN. D/O IN 7-MIN, 0 PSI INCREASE. CONT RIH. #2- TAG SAND AT 5704'. C/O 21' SAND. TAG CBP #2 AT 5725' W/ 183-JTS IN. D/O IN 7-MIN, 0 PSI INCREASE. CONT RIH. #3- TAG SAND AT 6352'. C/O 78' SAND. TAG CBP #3 AT 6430' W/ 205-JTS IN. D/O IN 7-MIN, 0 PSI INCREASE. CONT RIH. #4- TAG SAND AT 6655'. C/O 28' SAND. TAG CBP #4 AT 6685' W/ 213-JTS IN. D/O IN 9-MIN, 0 PSI INCREASE. CONT RIH. #5- TAG SAND AT 7099'. C/O 35' SAND. TAG CBP #5 AT 7134' W/ 228-JTS IN. D/O IN 10-MIN, 0 PSI INCREASE. CONT RIH. #6- TAG SAND AT 7358'. C/O 71' SAND. TAG CBP #6 AT 7429' W/ 237-JTS IN. D/O IN 20-MIN, PSI INCREASE. CONT RIH. #7- TAG SAND AT 8015'. C/O 27' SAND. TAG CBP #7 AT 8042' W/ 256-JTS IN. D/O IN 20-MIN, 350 PSI INCREASE.

LET CSG FLOW TO PIT AS HANG SWIVEL. DRAIN 2-JTS TBG AND RUN BACK IN. HAVE 256-JTS IN W/ EOT AT 8049'. DRAIN PUMP AND LINES. WINTERIZE BOP. SHUT WELL IN. SDFN AT 4:30 PM

PMP 9252 BBLS FOR FRAC.
D/O W/ 180 BBLS.
TTL PMP 9432 BBLS.

RCVR 1620 BBLS
LTR 7812 BBLS

12/23/07

Final Report

Days On Completion: 6

Remarks: 7:00- JSA. SITP 0, SICP 2550. START EQUIP. BLOW CSG TO PIT TILL 800 PSI. OPEN PIPE RAMS AND CONT RIH TO TAG SAND AT 8328'. PU PWR SWIVEL. ESTABLISH CIRC AND C/O SAND TO PBTD AT 8415' W/ 268-JTS IN. CIRC 20-MIN. RD PWR SWIVEL. POOH AS LD 30-JTS 2-3/8" TBG. PU AND LUB IN 4-1/16" 10k HANGER. LANDED W/ 238-JTS J-55 TBG IN AND EOT AT 7496'. RD FLOOR. ND BOP. NU WH. DROP BALL. PUMPED 10 BBLS AND PRESSURE TO 900 PSI TO RELEASE POBS. TURN WELL OVER TO FLOW BACK CREW. DRAIN UP AND RACK OUT EQUIP. RDSU. MOVE RIG AND EQUIP TO STATE 1021-36N. RD FRAC FLOOR. RUSU. SPOT EQUIP. WINTERIZE WELLHEAD.SDFWE.

TBG DETAIL

KB	16.00
AZTEC DELIVERED 275-JTS J-55	
HANGER 4-1/16" X 10K	.83
RETURNED 37-JTS 2-3/8" J-55	
238-JTS 2-3/8" J-55 TBG	7476.98
POBS W/ 1.87" R-NIPPLE	2.20
EOT	7496.01'

PMP 70 BBLS TODAY
TTL PMP 9502 BBLS

RCVR 400 BBLS TODAY
TTL RCVR 2020 BBLS

LTR 7482 BBLS

12/29/07 **FLOWBACK REPORT:** CP 2350#, TP 1500#, CK 20/64", 45 BWPH, LOAD REC'D 880 BBLS, TTL
LOAD REC'D 6602 BBLS

12/30/07 **FLOWBACK REPORT:** CP 2450#, TP 1500#, CK 20/64", 30 BWPH, LOAD REC'D 1665 BBLS, TTL
LOAD REC'D 5817 BBLS

12/31/07 **FLOWBACK REPORT:** CP 1650#, TP 1500#, CK 20/64", 20 BWPH, LOAD REC'D 2175 BBLS, TTL
LOAD REC'D 5307 BBLS

01/01/08 **FLOWBACK REPORT:** CP 2275#, TP 1450#, CK 20/64", 20 BWPH, LOAD REC'D 2655 BBLS, TTL
LOAD REC'D 4827 BBLS

01/02/08 **FLOWBACK REPORT:** CP 2200#, TP 1400#, CK 20/64", 15 BWPH, LOAD REC'D 3085 BBLS, TTL
LOAD REC'D 4397 BBLS
ON SALES: MCF, 0 BC, 360 BW, TP: 1400#, CP: 2200#, 20/64 CHK, HRS, LP: #.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

5. Lease Serial No.
UTU-0469

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

6. If Indian, Allottee or Tribe Name

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

7. Unit or CA Agreement Name and No.
UNIT #891008900A NBU UNIT

3. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078
3a. Phone No. (include area code) (435) 781-7024

8. Lease Name and Well No.
NBU 1022-20P

4. Location of Well (Report locations clearly and in accordance with Federal requirements) *
At surface SE/SE 472'FSL, 690'FEL

9. API Well No.
4304737354

At top prod. interval reported below

10. Field and Pool, or Exploratory
NATURAL BUTTES

At total depth

11. Sec., T., R., M., or Block and Survey or Area SEC. 20, T10S, R22E

12. County or Parish UINTAH 13. State UTAH

14. Date Spudded 10/03/07
15. Date T.D. Reached 11/03/07
16. Date Completed D & A Ready to Prod. 01/02/08

17. Elevations (DF, RKB, RT, GL)*
5419'GL

18. Total Depth: MD 8470' TVD
19. Plug Back T.D.: MD 8415' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL-CCL-GR SD, DSN, HRI

22. Was well cored? No Yes (Submit copy)
Was DST run? No Yes (Submit copy)
Directional Survey? No Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2070'		655 SX			
7 7/8"	4 1/2"	11.6#		8470'		1610 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	7496'							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5686'	6397'	5686'-6397'	0.34	76	OPEN
B) MESAVERDE	6644'	8323'	6644'-8323'	0.36	202	OPEN
C)						
D)						

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

Depth Interval	Amount and type of Material
5686'-6397'	PMP 966 BBLs SLICK H2O & 34,429# 30/50 OTTOWA SD
6644'-8323'	PMP 8286 BBLs SLICK H2O & 317,915# 30/50 OTTOWA SD

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JAN 28 2008

DIV. OF OIL, GAS & MINES

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
01/02/08	01/06/08	24	→	0	1,185	360			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 1005# SI	Csg. Press. 1953#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	1953#	→	0	1185	360			PRODUCING GAS WELL

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
01/02/08	01/06/08	24	→	0	1185	360			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 1005# SI	Csg. Press. 1953#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	SI	1953#	→	0	1185	360			PRODUCING GAS WELL

(See instructions and spaces for additional data on reverse side)

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

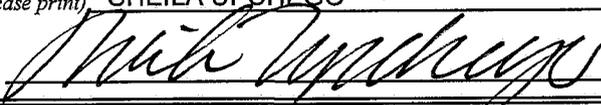
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	4185' 6619'	6619'			

32. Additional remarks (include plugging procedure):

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 5. Core Analysis 7. Other:

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

Name (please print) SHEILA UPCHEGO Title SENIOR LAND ADMIN SPECIALIST
Signature  Date 01/15/08

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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0469
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-20P
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047373540000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0472 FSL 0690 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 20 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/10/2015 <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 checked="" 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-McKee Oil & Gas Onshore, LP respectfully requests to repair the casing leak between the surface and production casing by conducting cement squeeze operations on the NBU 1022-20P well. Please see the attached procedure for details. Thank you.

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

Date: April 13, 2015
 By: *Derek Duff*

NAME (PLEASE PRINT) Kristina Geno	PHONE NUMBER 720 929-6824	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/9/2015	

NBU 1022-20P**WO#****Bradenhead Issue. Well is just intermitting to keep pressure off the Surface casing**SESE – Section 20– T10S – R22E
Uintah County, UT

DATE: 4/2/2015 ELEVATIONS: 5419' GL 5435' KB

TOTAL DEPTH: 8,459' PBTD: 8,415'

SURFACE CASING 9 5/8", 36# J-55 LT&C @ 2057'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8459'

PRODUCTION TUBING: 2 3/8", 4.7#, J-55 & L-80 @ 7496'

TUBULAR PROPERTIES:

	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	11780	11200	0.1624	0.02171	0.00387
4.5" 11.6# I-80 csg	3.875	6350	7780	0.6528	0.0872	0.0155
2.375" X 4.5" annulus				0.4227	0.0565	0.0101

TOPS:

- ' Green River Top
- ' Bird's Nest Top
- ' Mahogany Top
- ' Wasatch Top
- ' Mesaverde Top

BOTTOMS:

T.O.C. @ ±1425'

PERFORATIONS:

Zone Name	Date	MD Top (ft)	MD Base (ft)	Shot Density (SPF)
Wasatch	12/17/2007	5686	5695	4
Wasatch	12/17/2007	6130	6136	4
Wasatch	12/17/2007	6393	6397	4
Mesaverde	12/17/2007	6644	6653	4
Mesaverde	12/17/2007	6908	6912	4
Mesaverde	12/17/2007	6933	6935	4
Mesaverde	12/17/2007	7100	7104	4

Mesaverde	12/17/2007	7220	7224	3
Mesaverde	12/17/2007	7250	7252	4
Mesaverde	12/17/2007	7351	7354	4
Mesaverde	12/17/2007	7396	7398	4
		Tubing Landed @ 7496'		
Mesaverde	12/17/2007	7921	7923	3
Mesaverde	12/17/2007	7986	7988	4
Mesaverde	12/17/2007	8003	8012	3
Mesaverde	12/17/2007	8183	8186	3
Mesaverde	12/17/2007	8232	8234	4
Mesaverde	12/17/2007	8260	8264	4

CONTACT INFORMATION:

IOC		435-781-9751
FOREMAN	Mike Merrill	435-828-4606
MECHANICAL LEAD	Kyler Lance	435-828-8938
OPERATOR	Kurt Hermansen	801-641-8105
OPERATOR	Cory Evans	435-823-6162
ENGINEER	Robert Miller	435-828-6510

Relevant History:

- 12/23/2007: **Completed** in the Wasatch & Mesaverde. Cleaned out to 8415' (PBTD). Landed tubing with EOT at 7496'.
- 03/25/2014: **Last slickline** – Pulled spring and ran sample bailer to 8033'. Ran 1.9" broach to SN. Tubing was clean and found no plunger or spring.

Symptoms:

- The well has direct communication between the prod and surface casing. The well is being intermittent and has loss from 82 to 109 mcf/d when being shut it. The well is a safety and environmental issue and cannot produce effectively until it is fixed.

Procedure Outline:

- MIRU. Kill well and un-land tubing. NDWH wellhead and NUBOPE.
- TIH and tag for fill (inform engineering of depth for possible cleanout).
- TOOHS scanning tubing. Scan as normal until bad pipe is encountered. After finding bad pipe, break every connection to inspect the pins and upsets. (Once back in good pipe, you do not need to inspect every connection).

- Take solid samples (inside & outside of tubing), if available, and submit to engineer.
- TIH w/ 4.5" packer to locate hole; POOH.
- RU wireline; RIH w/ 4.5" CBP & set below hole. Pump down casing to establish injection rate; if injection rate cannot be established, RIH w/ 1' casing punch gun & shoot at depth of hole. RD wireline. Might use an external casing patch if top joint is leaking.
- RU cement crew; pump cement down production casing until returns are seen up surface casing. RD cement crew.
- RIH with 3.875" mill, mill up excess cement & pressure test casing. If test passes, mill up CBP
- If cleanout is warranted, cleanout to PBTD (If using a foam unit, make sure to circulate well good to help get it kicked off).
 - Get scale and corrosion samples and give to engineer.
- Land tubing at ±7496 (same depth as before). Broach tubing with 1.910" broach and return to production.
- NDBOPE and NUWH.
- Notify CDC, foreman, & operators of RDMOL.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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COUNTY: UINTAH	
STATE: UTAH	

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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 checked="" type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/11/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP has finished the casing repair operations on the NBU 1022-20P well. Please see the attached operations summary report for details. Thank you.

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

FOR RECORD ONLY

May 20, 2015

NAME (PLEASE PRINT) Kristina Geno	PHONE NUMBER 720 929-6824	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 5/20/2015	

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-20P

Spud date: 10/27/2007

Project: UTAH-UINTAH

Site: NBU 1022-20P

Rig name no.: MILES-GRAY 1/1

Event: WELL WORK EXPENSE

Start date: 4/24/2015

End date: 4/30/2015

Active datum: RKB @5,434.99usft (above Mean Sea Level)

UWI: NBU 1022-20P

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
4/24/2015	12:00 - 14:00	2.00	MAINT	30	A	P		ROAD RIG TO LOCATION FROM NBU 1022-19H. MIRU. SPOT IN ALL EQUIP. LAY PUMP LINES.
	14:00 - 15:00	1.00	MAINT	35	1	P		FCP & FTP =70#. MIRU SLK LINE TO PULL PLE. RIH SLK LINE & STACK OUT 3' BELOW HANGER. TRY TO WORK THRU OBSTRUCTION (NO LUCK). R/D SLK LINE. CNTRL TBG W/ 35BBLs TMAC (DID NOT PRESSURE UP) PLE IS EITHER ALREADY REMOVED OR THERE IS A HOLE IN THE TBG. NDWH. LOOK DOWN TBG & FIND THAT IT IS COLLAPSED BELOW THE HANGER.
	15:00 - 17:30	2.50	MAINT	31	I	P		NUBOP. R/U FLOOR & TBNG EQUIP. CNTRL CSG W/ 20BBLs TMAC. UN-LAND TBG & REMOVE HANGER. PUH TBG & FIND COLLAPSED JT. WORK TBG THRU TIGHT SPOTS. TBG IS HANGING UP ABOUT EVERY 20'. CSG APPEARS TO BE PARTED & POSSIBLY COLLAPSED OR CRIMPED. SLOWLY POOH WHILE L/D 4JTS TBNG. SHUT IN TBNG. CSG TO SALES. SDFWE.
4/27/2015	7:00 - 10:00	3.00	MAINT	35		P		FISHING HAND SCHEDULED TO BE ON LOCATION MONDAY MORNING W/ TOOLS FOR CSG REPAIR. THEY WERE INSTRUCTED TO BRING A VARIETY OF TOOLS: CSG CUTTERS, SPEARS, SWEDGES, CSG PATCH ETC.
	7:00 - 7:30	0.50	WO/REP	48		P		WO 3471 TB NA CS NA FL GC Could not get thru Tubing Hanger w/Up Shear Fish Tool, pulled out. Rig pumped 25 bbls water down Tubing. Still could not get thru Tubing Hanger. Rig pulled off of Wellhead. Ran thru PIW Valve w/Up Shear Fish Tool, made it 3' into Tubing, tubing was collapsed. Rigged Down.
	7:30 - 13:00	5.50	WO/REP	31	I	P		HSM, LAYING DWN TBG.
4/28/2015	13:00 - 16:00	3.00	WO/REP	30	F	P		SICP 62 PSI, SITP 890 PSI, BLEW WELL DWN CONTROL TBG W/ 20 BBLs T-MAC, POOH SLOW L/D REM 234 JTS 23/8 J-55, X/N W/ PLUNGER & SPRING.
	7:00 - 7:30	0.50	WO/REP	48		P		CONTROL, WELL W/ 20 BBLs T-MAC, ND BOPS & 11" 5K SPOOL, PU SPEAR 41/2 PULLED SLIPS L/D 22' PEICE 41/2 COLLAPED BELOW HANGER & PIN BROKE OFF IN COLLAR, BUSTED PIN LOOKING UP IN HOLE, NU 11" 5K BOPS SWI SDFN.
	7:30 - 10:00	2.50	WO/REP	34	I	P		HSM WORKING WITH WIRE LINE.
4/28/2015	10:00 - 12:00	2.00	WO/REP	52	F	P		SICP 100, CONTROL WELL W/ 20 BBLs T-MAC, RU CUTTERS RIH W/ 41/2 GAUGE RING TO 3,000', POOH RIH W/ 41/2 8K CBP & SET @ 3,000' POOH RD CUTTERS. FILL 41/2 W 26 BBLs T-MAC.
								ND 11" 5K BOPS, PU 41/2 LOGAN 5K PATCH & 1 JTS 41/2 11.60# L-80 CSG, WORK OVER CSG TOP @ 23.80', SET PATCH, FILL & TEST CSG TO 3,000 PSI W/ CAMERON TEST TRUCK, FOR 15 MIN LOST 35 PSI GOOD TEST, BLEAD OFF WELL.

US ROCKIES REGION
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Rig name no.: MILES-GRAY 1/1

Event: WELL WORK EXPENSE

Start date: 4/24/2015

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Active datum: RKB @5,434.99usft (above Mean Sea Level)

UWI: NBU 1022-20P

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	12:00 - 13:00	1.00	WO/REP	30	F	P		SET SLIPS, PULL TO 70,000 ON 4 1/2, CUT OFF CSG, INSTALLED WELL HEAD & BOPS, SWI.
	13:00 - 16:00	3.00	WO/REP	30	A	P		RIG DOWN FILL UNDER RIG BEAM , RIGGED BACK UP.
	16:00 - 17:00	1.00	WO/REP	31	I	P		TALLY & PU 37/8 MILL & 33 JTS 23/8 J-55, SWI SDFN
4/29/2015	7:00 - 7:30	0.50	WO/REP	48		P		HSM, PICKING UP TBG OFF FLOAT.
	7:30 - 9:00	1.50	WO/REP	31	I	P		SICP 0, PU 62 JTS TAG @ 3,000# RU DRLG EQUIP, BROKE CIRC W/ AIR/FOAM, D/O CBP IN 10 MIN 25# PSI INC, KILL TBG RD SWIVEL.
	9:00 - 14:00	5.00	WO/REP	31	I	P		PU 155 JTS, TAG UP @ 7885', RU SWIVEL, INSTALLED TSF, BROKE CIRC W/ AIR/FOAM,
	14:00 - 17:00	3.00	WO/REP	44	D	P		C/O HARD SCALE F/ 7885' TO 7996' CIRC CLN SWI SDFN.
4/30/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 10:00	2.75	MAINT	44	D	P		SICP = 700#. TSF INSTALLED IN TBNG (PRESSURE READING NOT AVAILABLE). OPEN CSG TO FLOWBACK TANK. BREAK CIRC W/ FOAM AIR UNIT IN 45MIN. CONT C/O HARD PATCHY SCALE TO PBTD @8414' W/ MILL + 267JTS TBNG. SUSPECTED OLD POBS. BOTTOM PERF @ 8264'.CIRC WELL CLEAN FOR 45 MIN. PUMP 15BBL TMAC TOP KILL DOWN TBNG. R/D POWER SWIVEL. POOH WHILE L/D 30JTS 2-3/8" J-55 TBNG NOT NEEDED FOR PRODUCTION. REMOVE TSF.
	10:00 - 17:00	7.00	MAINT	31	I	P		TOOH W/ 237JTS 2-3/8" J-55 TBNG & MILL. L/D MILL & BIT SUB. P/U & RIH W/ NEW 1.875" XN-NOTCH COMBO NIPPLE + 237JTS TBNG. BROACH ALL TBNG GOOD W/ 1.910" BROACH WHILE RIH. LAND TBNG ON HANGER. R/D FLOOR & TBNG EQUIP. NDBOP. NUWH. SWI. SDFN. TBNG LANDED AS FOLLOWS: KB= 16.00' HANGER= .83' 237JTS NEW 2-3/8" J-55 TBNG =7480.95' 1.875" XN-NOTCH COMBO NIPPLE= 1.05' EOT @ 7498.83' NOTE: CONTROLLED TBNG AS NEEDED W/ TMAC. TWLTR= 35BBLs.
5/4/2015	7:00 - 13:00	6.00	PROD	42	B	P		Starting pressure TBG 834 CSG 834 PSI Started swabbing & Made 7 runs Fluid level was at 3000ft Recovered 42bbbs Well was on a suck, for the first 3 runs, then start to blow. Well blow for 20min, then die. Rig off wellhead, travel back to shop. Ending Pressure Tb 0 PSI CA 900 PSI

US ROCKIES REGION
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
5/5/2015	7:00 - 16:00	9.00	PROD	42	B	P		Starting pressure TBG 391 CSG 848 PSI Started swabbing & Made 13 runs Fluid level was at 4000ft Recovered 94bbbls Got well to unload water for 20min, casing dropped 40psi, then well quit bringing water. Made 2 swab runs, after that and well never, came back around. Rig off wellhead, travel back to shop. Ending Pressure Tb 18 PSI CA 907 PSI
5/6/2015	7:00 - 21:00	14.00	PROD	42		P		Swabbed well back on, well started unloading on its own. It brought water for a few hours but tubing never got stronger. Casing was communicating but we were waiting for a good spike of tubing to drop scale knocker finally well died. Shut it in and headed back to the shop. FL 4800
5/7/2015	7:00 - 12:00	5.00	PROD	42	B	P		Starting pressure TBG 117 CSG 938 PSI Started swabbing & Made 5 runs Fluid level was at 5000ft Recovered 54bbbls Swab well on, flow tubing to tank for 30min. Check plunger then dropped. Trip plunger twice, rig down, travel to next location. Ending Pressure Tb 580 PSI CA 851 PSI
5/8/2015	7:00 - 9:00	2.00	PROD	42	B	P		Starting pressure TBG 118 CSG 918 PSI Started swabbing & Made 3 runs Fluid level was at 2500ft Recovered 20bbbls Swab well on, flow tubing to tank for 30min. Check plunger then dropped. Tripped plunger once, rig down, travel back to shop. Ending Pressure Tb 605 PSI CA 836 PSI
5/11/2015	7:00 - 12:00	5.00	PROD	42	B	P		Starting pressure TBG 387 CSG 934 PSI Started swabbing & Made 4 runs Fluid level was at 4500ft Recovered 38bbbls Swab well on, flow tubing to tank for 30min. Check plunger then dropped. Tripped plunger twice, rig down, travel to next location. Ending Pressure Tb 609 PSI CA 887 PSI