

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

5. Lease Serial No.
UTU-0582
6. If Indian, Allottee or Tribe Name

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

7. If Unit or CA Agreement, Name and No.
NATURAL BUTTES UNIT
8. Lease Name and Well No.
NBU 921-31E

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

9. API Well No.
43-047-36563

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

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

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface **SWNW 2230'FNL & 567'FWL 619327X 39.993621**
At proposed prod. Zone **4427775Y -109.602256**

11. Sec., T., R., M., or Blk, and Survey or Area
SECTION 31-T9S-R21E

14. Distance in miles and direction from nearest town or post office*
23.3 MILES SOUTHEAST OF OURAY, UTAH

12. County or Parish
UINTAH

13. State
UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
567'

16. No. of Acres in lease
1433.57

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
REFER TO TOPO C

19. Proposed Depth
10,025'

20. BLM/BIA Bond No. on file
CO-1203

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4916'GL

22. Approximate date work will start*

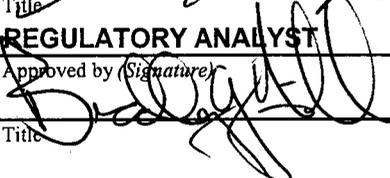
23. Estimated duration

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.
- 2. A Drilling Plan.
- 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).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature  Name (Printed/Typed) **SHEILA UPCHEGO** Date **4/8/2005**
Title **REGULATORY ANALYST**

Approved by (Signature)  Name (Printed/Typed) **BRADLEY G. HILL** Date **04-18-05**
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)

RECEIVED

APR 13 2005

Federal Approval of this
Action is Necessary

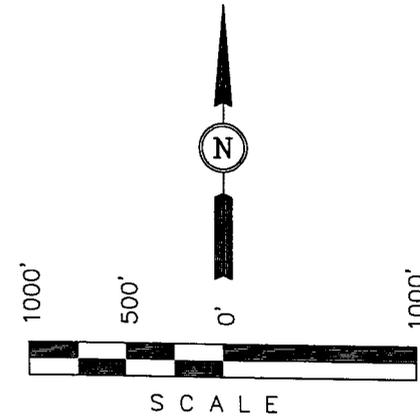
DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.

Well location, NBU #921-31E, located as shown in the SW 1/4 NW 1/4 (Lot 2) of Section 31, T9S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION 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.



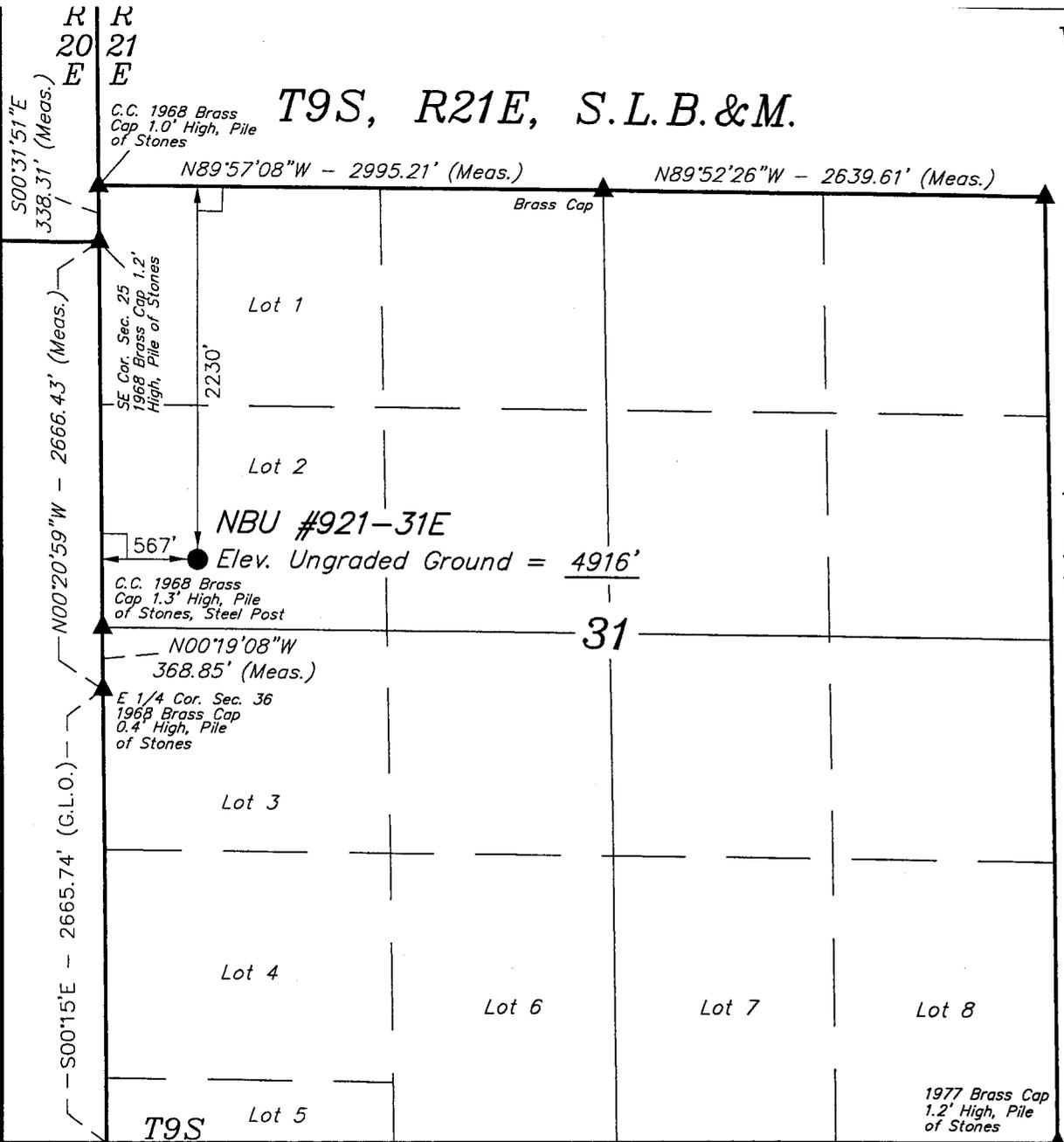
CERTIFICATE

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

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

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

T9S, R21E, S.L.B.&M.



- LEGEND:**
- └─┘ = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

	(NAD 83)
LATITUDE = 39°59'37.02"	(39.993617)
LONGITUDE = 109°36'10.65"	(109.602958)
	(NAD 27)
LATITUDE = 39°59'37.15"	(39.993653)
LONGITUDE = 109°36'08.16"	(109.602267)

SCALE 1" = 1000'	DATE SURVEYED: 1-11-05	DATE DRAWN: 1-25-05
PARTY G.O. B.C. E.C.O.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE WESTPORT OIL AND GAS COMPANY, L.P.	

NBU #921-31E
 SW/NW Sec. 31, T9S, R21E
 UINTAH COUNTY, UTAH
 UTU-0582

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1665'
Wasatch	5015'
Mesaverde	7925'
TD	10025'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1665'
Gas	Wasatch	5015'
Gas	Mesaverde	7925'
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 10,025' TD, approximately equals 4010 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1804 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. **Variations:**

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'				2270	1370	254000
SURFACE	9-5/8"	0 to 2500	32.30	H-40	STC	0.60*****	1.17	3.59
PRODUCTION	4-1/2"	0 to 10025	11.60	I-80	LTC	7780	6350	201000
						2.05	1.06	1.98

- 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 = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
 MASP 3789 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	4,515'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	490	60%	11.00	3.38
	TAIL	5,510'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1540	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 tall cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: _____
 Brad Laney
 DRILLING SUPERINTENDENT: _____
 Randy Bayne

DATE: _____
 DATE: _____

**NBU #921-31E
SW/NW Sec. 31,T9S,R21E
UINTAH COUNTY, UTAH
UTU-0582**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the NBU#921-31E on 3/1/05, 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 0.1 Miles +/- of Access Road is proposed. Please refer to the attached 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.

Approximately 1340' +/- of pipeline is proposed. Up to 4" pipeline shall be Butt Welded. Refer to Topo Map D for the location of the proposed pipeline.

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 (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 16 mil reserve pit liner with felt, straw and double layer of felt plastic will be required.

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.

The following seed mixture will be used to reclaim the surface. 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:

Fourwing Saltbrush	3 lbs.
Indian Ricegrass	3 lbs.
Western Wheatgrass	3 lbs.
Shadscale	3 lbs.

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. Other Information:**WILDLIFE STIPULATIONS:**

ANTELOPE: NO DRILLING OR CONSTRUCTION MAY 15TH THROUGH JUNE 20TH.

A Class III archaeological survey has been completed and submitted to Bureau of Land Management.

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.

All lease and/or operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The operator will control noxious weeds along Rights-of-Way for roads, pipeline, well sites, or other applicable facilities.

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

Sheila Upchego
Regulatory Analyst
Westport Oil & Gas Company L.P.
P.O. Box 1148
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Westport Oil & Gas Company L.P.
P.O. Box 1148
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. L.P. is considered to be the operator of the subject well. Westport O&G Co. L.P. 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 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.

/s/ Sheila Upchego
Sheila Upchego



4/8/05
Date

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-31E

SECTION 31, T9S, R21E, 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; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 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 2.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN NORTHEASTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 41.7 MILES.

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-31E

LOCATED IN UTAH COUNTY, UTAH
SECTION ~~33~~ 7, T9S, R21E, S.L.B.&M.

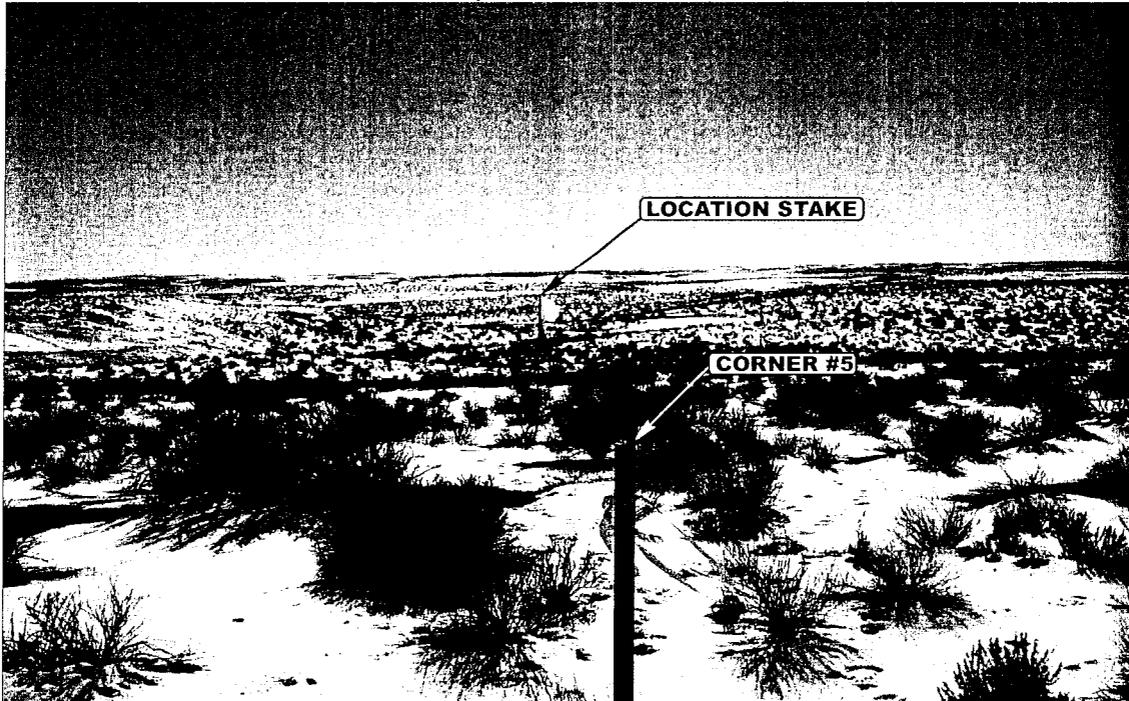


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

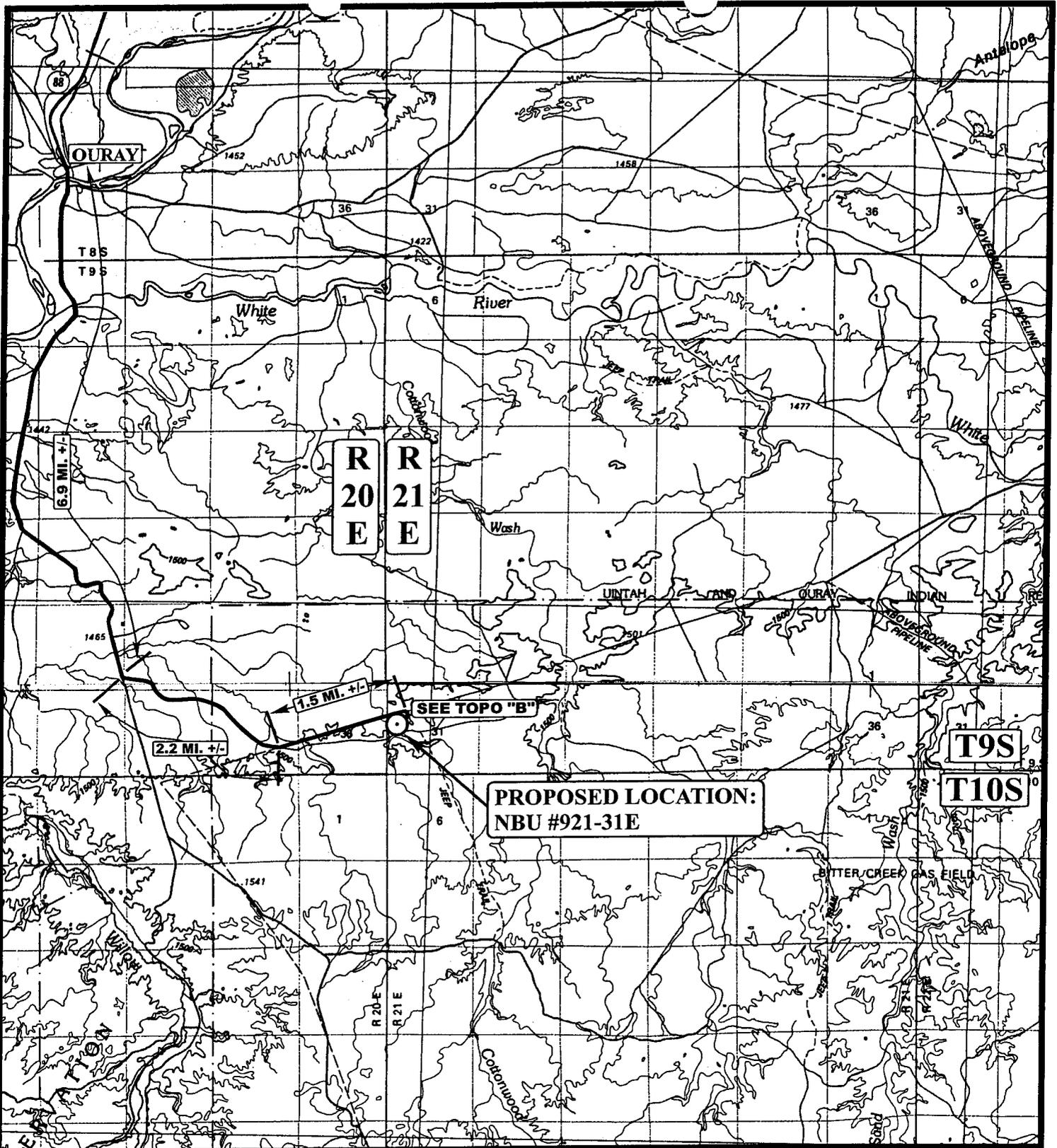
CAMERA ANGLE: SOUTHERLY



- Since 1964 -

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

LOCATION PHOTOS	01	17	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: GO.	DRAWN BY: L.K.		REVISED: 00-00-00	



LEGEND:

○ PROPOSED LOCATION



WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-31E

SECTION 31, T9S, R21E, S.L.B.&M.

2230' FNL 567' FWL



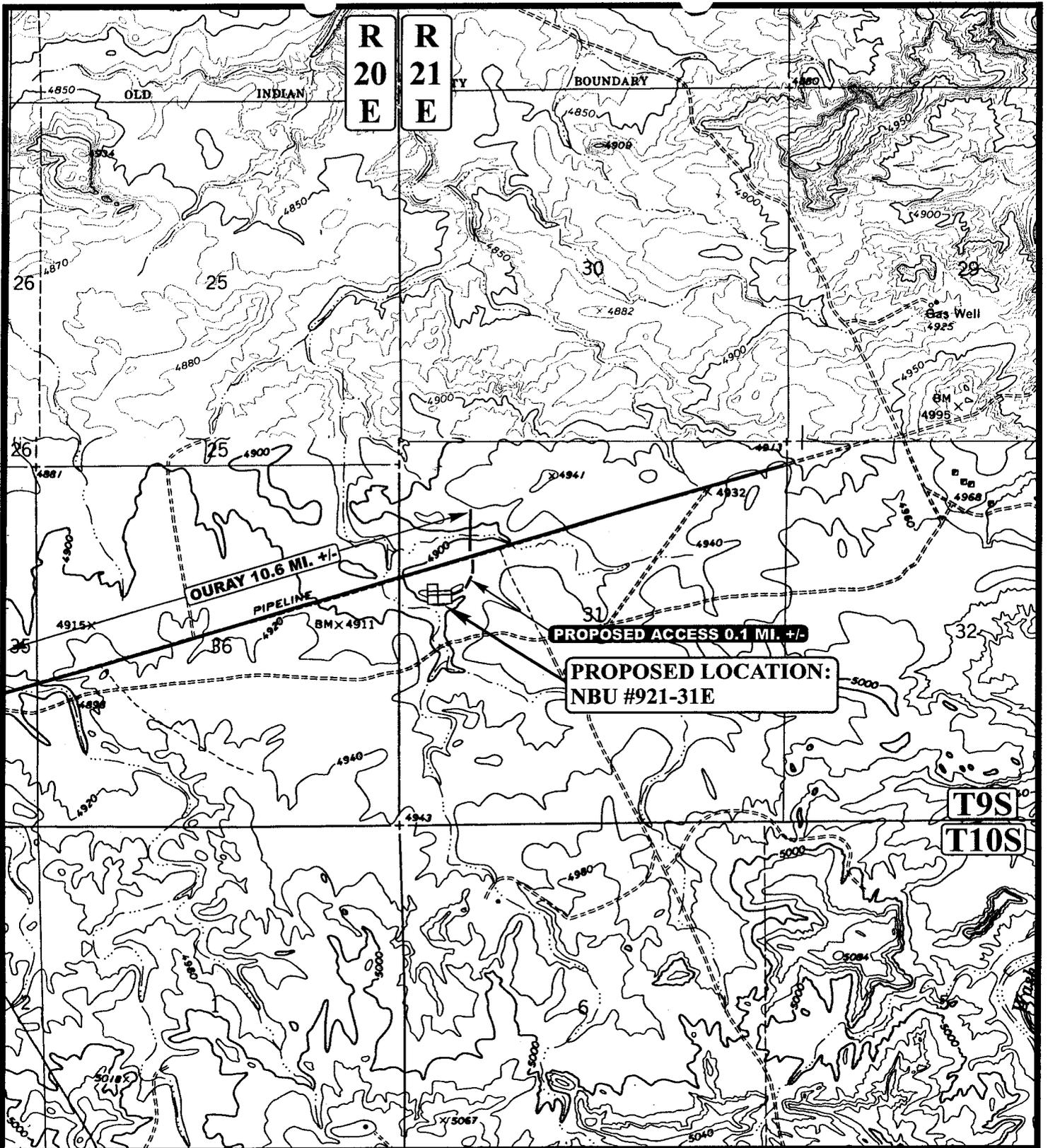
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

01 17 05
 MONTH DAY YEAR

SCALE: 1 : 100,000 | DRAWN BY: L.K. | REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD



WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-31E
SECTION 31, T9S, R21E, S.L.B.&M.
2230' FNL 567' FWL



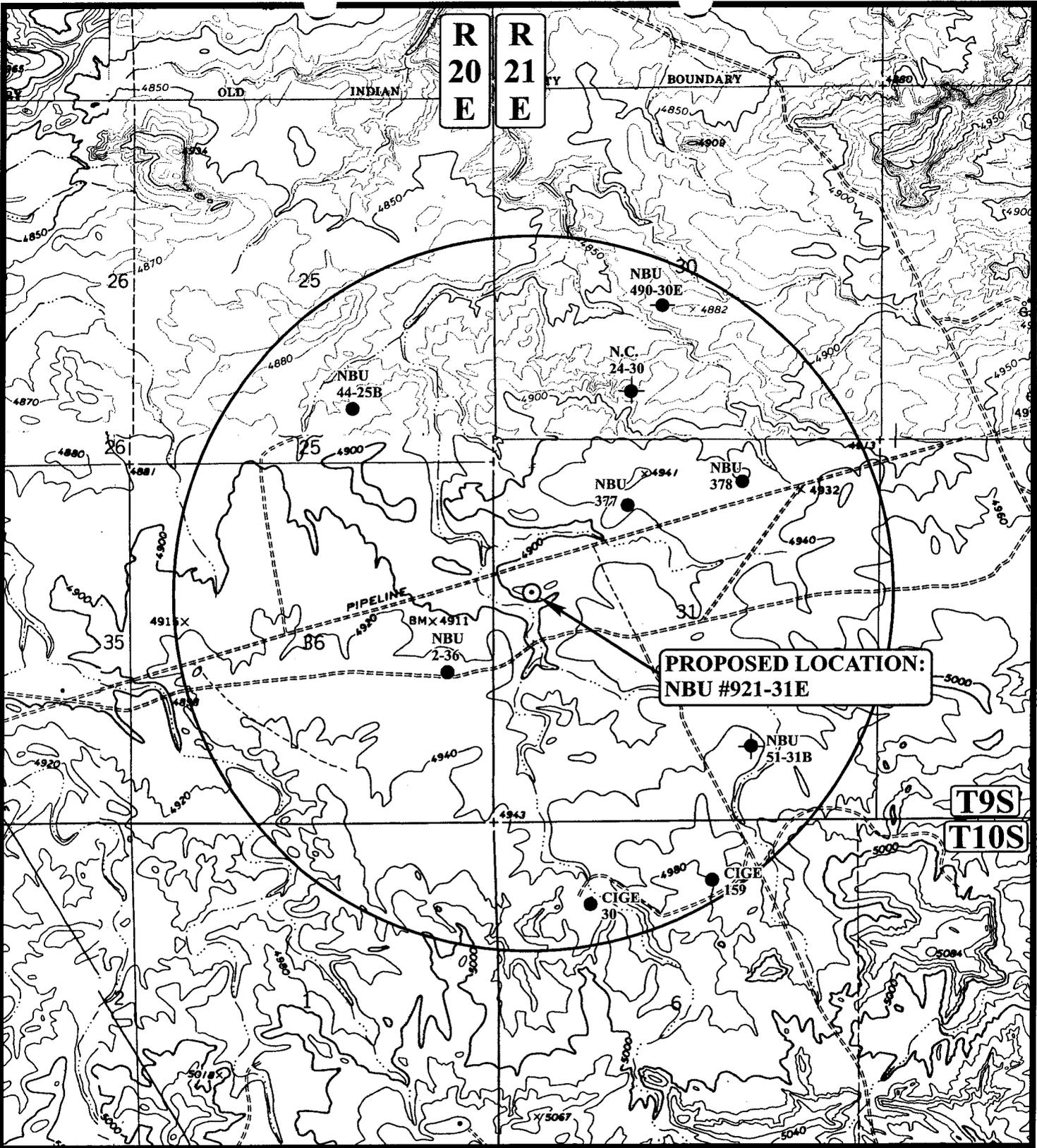
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

01 17 05
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00

B
 TOPO



R
20
E

R
21
E

BOUNDARY

PROPOSED LOCATION:
NBU #921-31E

T9S
T10S

LEGEND:

- ∅ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ∅ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

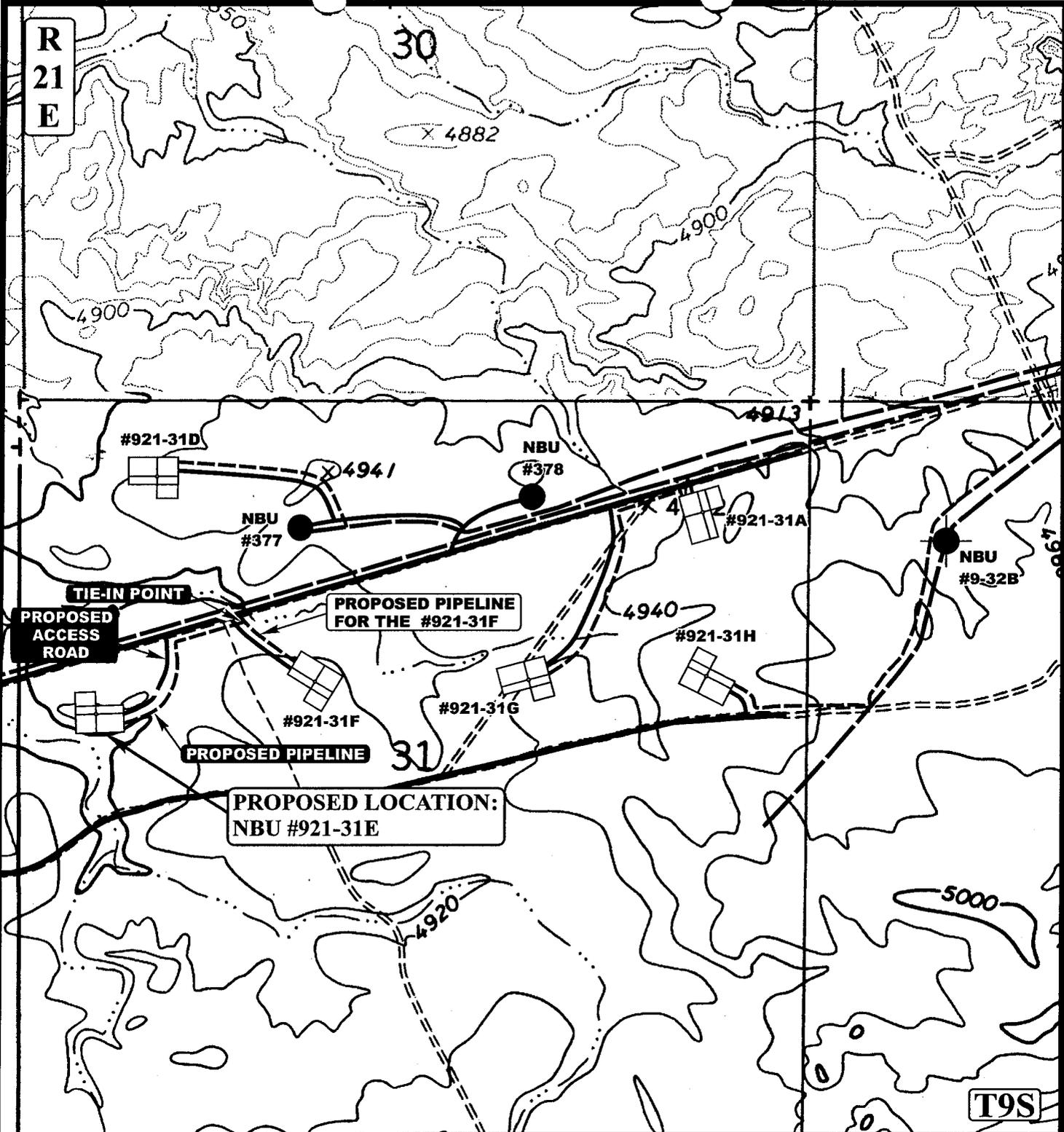


WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-31E
SECTION 31, T9S, R21E, S.L.B.&M.
2230' FNL 567' FWL

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

TOPOGRAPHIC 01 17 05
 MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00 **C**
 TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 1340' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE



WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-31E
 SECTION 31, T9S, R21E, S.L.B.&M.
 2230' FNL 567' FWL



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

TOPOGRAPHIC
 MAP

01	17	05
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00

D
 TOPO

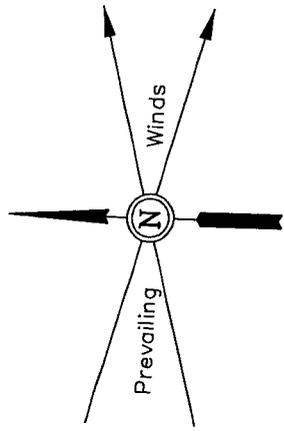
WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR

NBU #921-31E
SECTION 31, T9S, R21E, S.L.B.&M.

2230' FNL 567' FWL



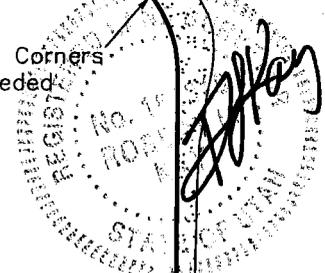
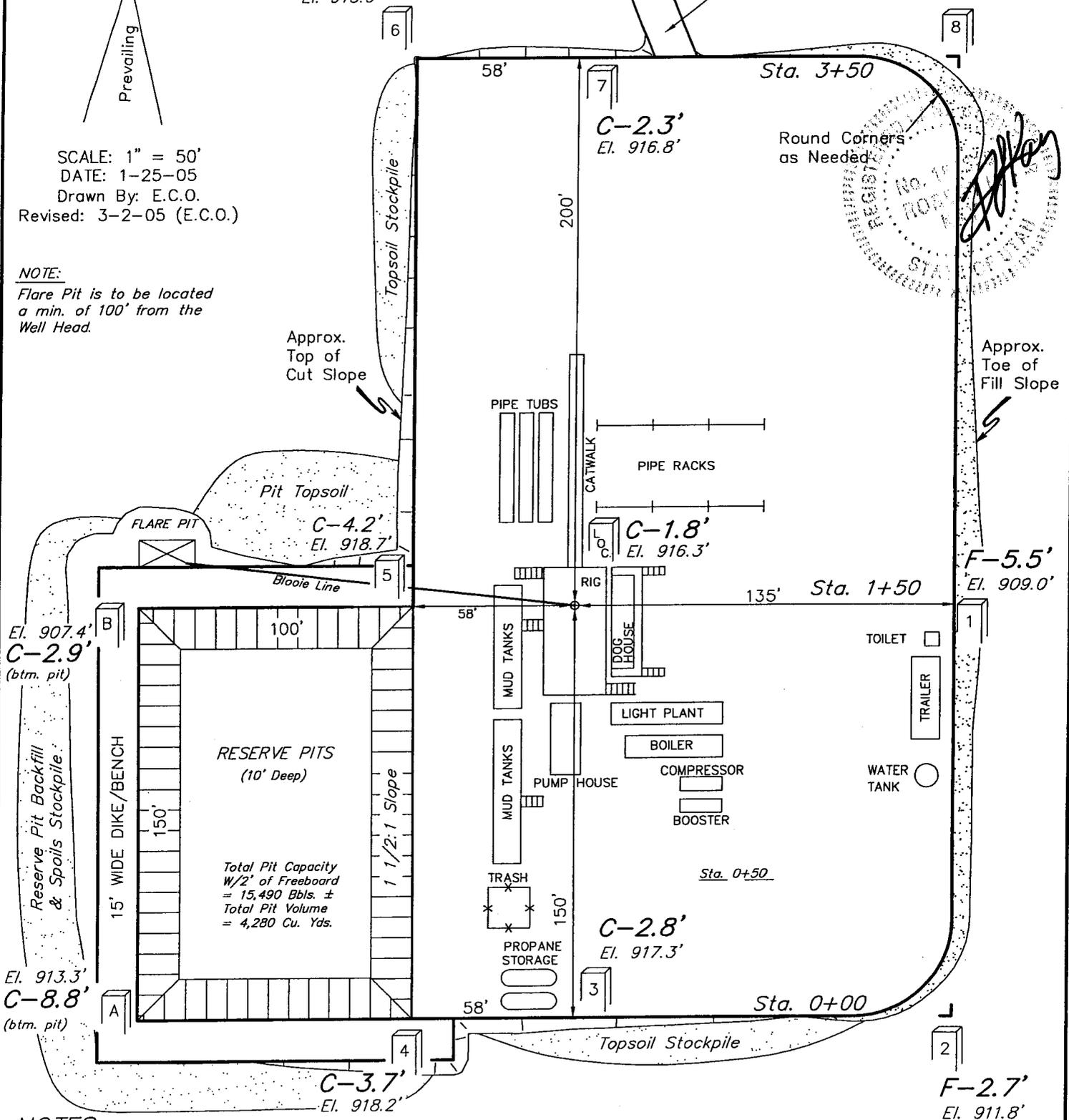
F-0.6'
El. 913.9'

Proposed Access Road

F-6.1'
El. 908.4'

SCALE: 1" = 50'
DATE: 1-25-05
Drawn By: E.C.O.
Revised: 3-2-05 (E.C.O.)

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4916.3'
FINISHED GRADE ELEV. AT LOC. STAKE = 4914.5'

WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

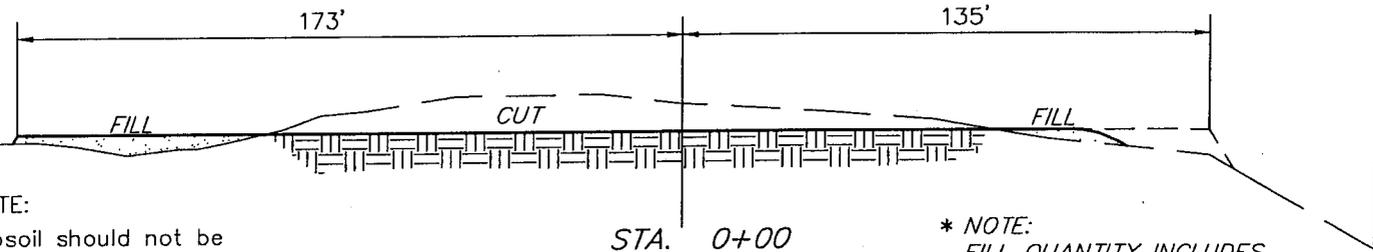
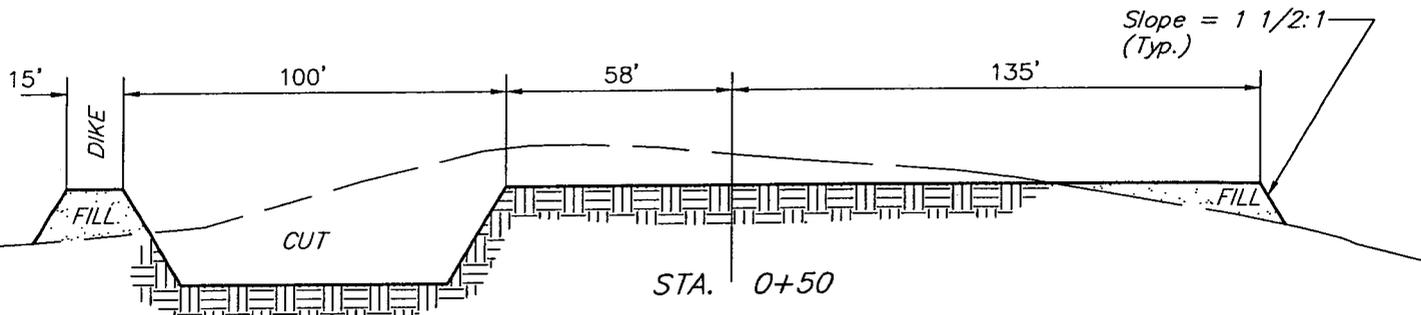
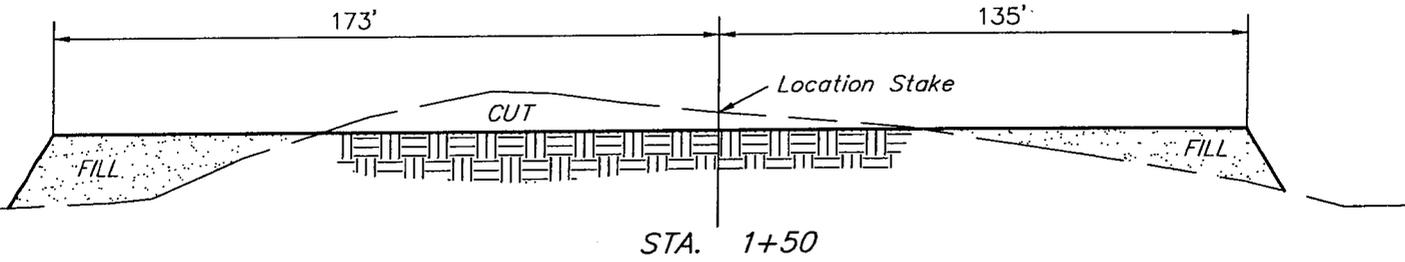
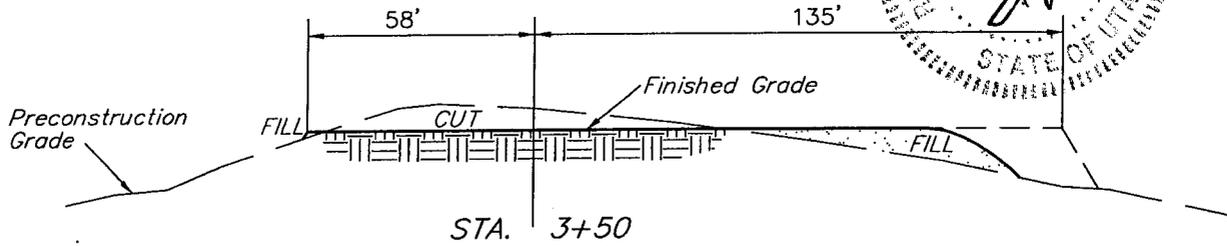
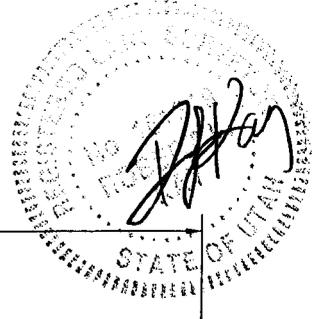
NBU #921-31E

SECTION 31, T9S, R21E, S.L.B.&M.

2230' FNL 567' FWL

X-Section Scale
1" = 50'

DATE: 1-25-05
Drawn By: E.C.O.



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

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

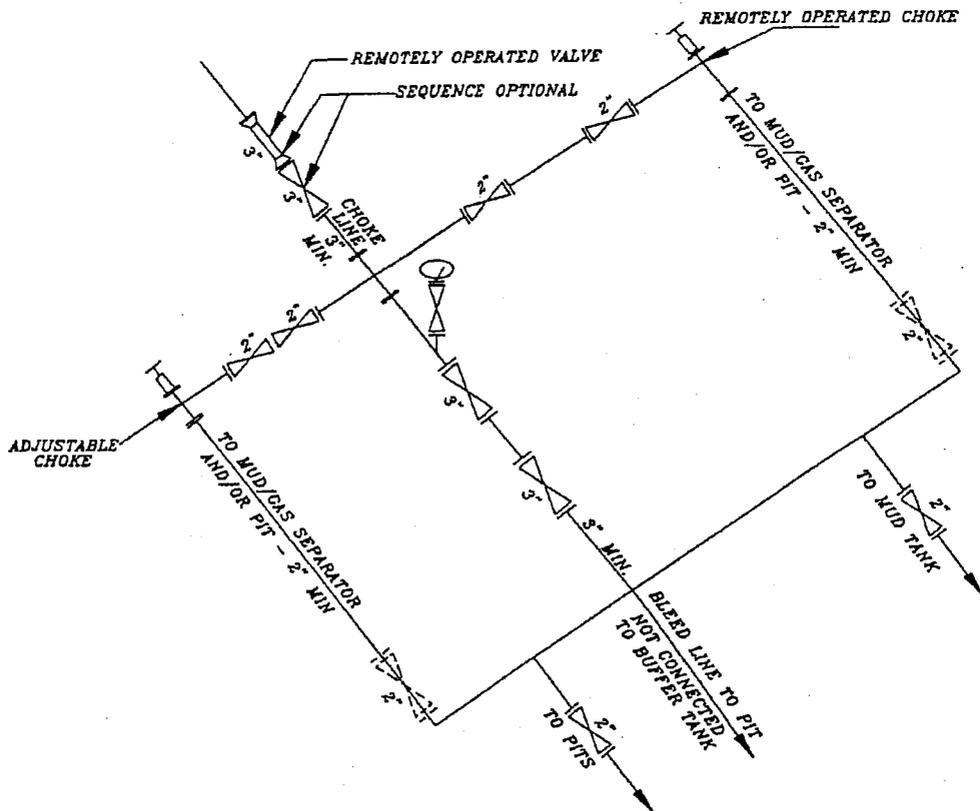
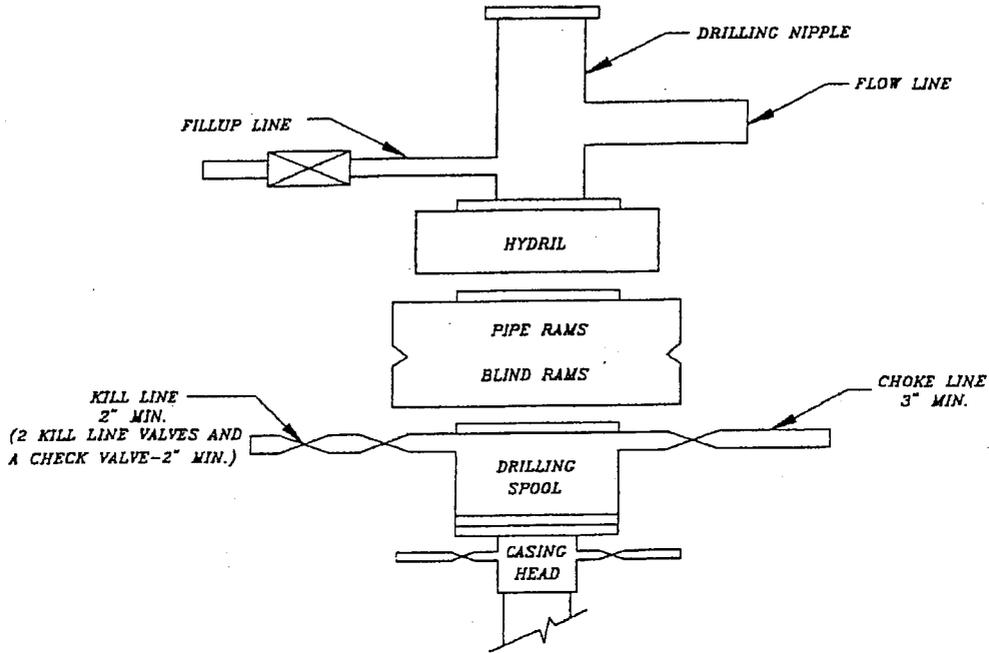
APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,820 Cu. Yds.
Remaining Location	= 6,620 Cu. Yds.
TOTAL CUT	= 8,440 CU.YDS.
FILL	= 4,480 CU.YDS.

EXCESS MATERIAL	= 3,960 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,960 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

5M BOP STACK and CHOKE MANIFOLD SYSTEM



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/13/2005

API NO. ASSIGNED: 43-047-36563

WELL NAME: NBU 921-31E
OPERATOR: WESTPORT OIL & GAS CO (N2115)
CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

SWNW 31 090S 210E
SURFACE: 2230 FNL 0567 FWL
BOTTOM: 2230 FNL 0567 FWL
UINTAH
NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-0582
SURFACE OWNER: 1 - Federal
PROPOSED FORMATION: WSMVD
COALBED METHANE WELL? NO

LATITUDE: 39.99362
LONGITUDE: -109.6023

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)

LOCATION AND SITING:

___ R649-2-3.

Unit NATURAL BUTTES

___ R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells

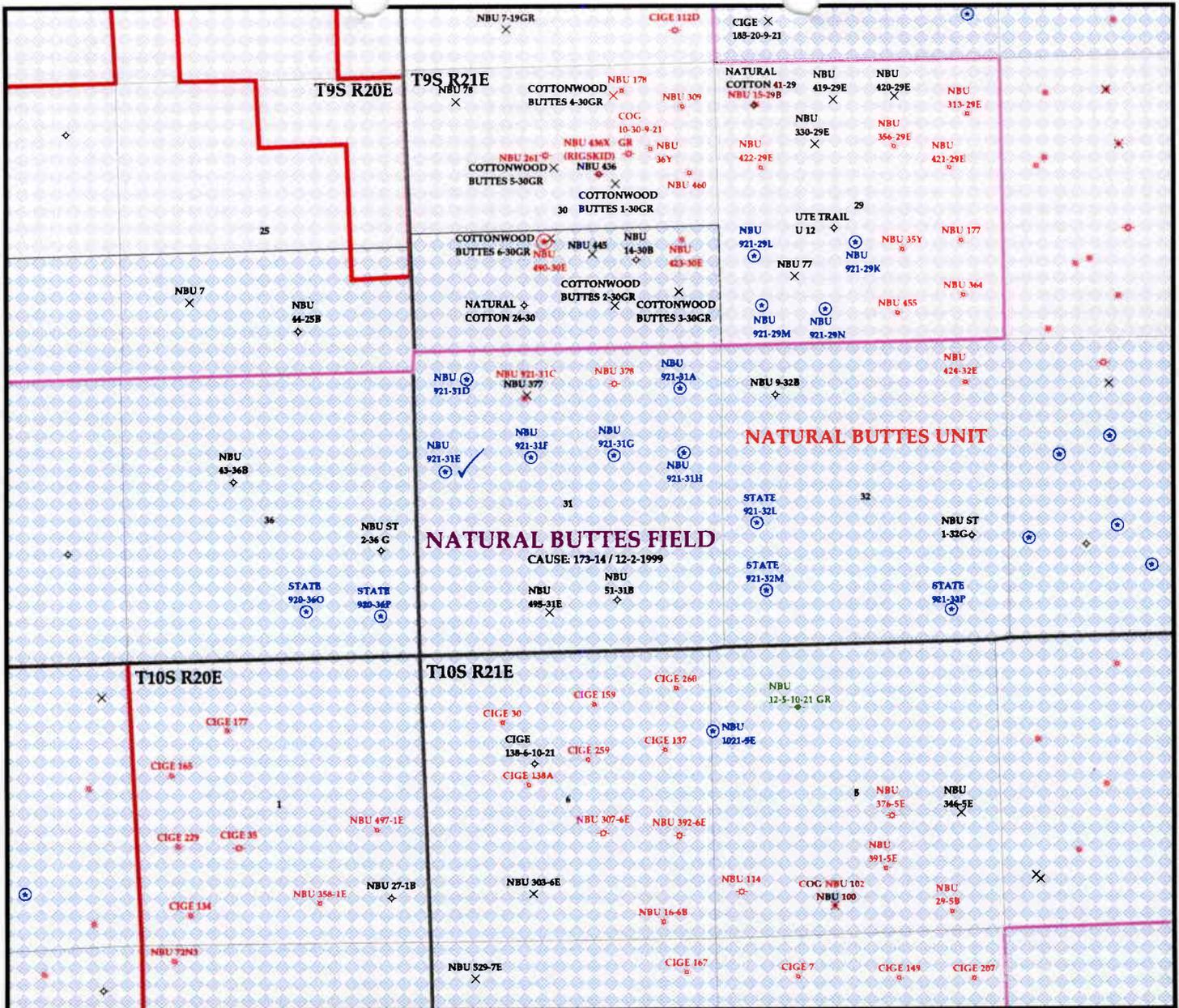
___ R649-3-3. Exception

Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' Fr u bary & uncomm. Tract

___ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approved
2- OIL SHALE



NATURAL BUTTES FIELD

CAUSE: 173-14 / 12-2-1999

NATURAL BUTTES UNIT

OPERATOR- WESTPORT O&G CO (N2115)
 SEC. 31 T.9S R.21E
 FIELD: NATURAL BUTTES (630)
 COUNTY: UINTAH
 CAUSE: 173-14 - 12-2-1999



Wells	Units.shp	Fields.shp
♂ GAS INJECTION	EXPLORATORY	ABANDONED
⊙ GAS STORAGE	GAS STORAGE	ACTIVE
× LOCATION ABANDONED	NF PP OIL	COMBINED
⊕ NEW LOCATION	NF SECONDARY	INACTIVE
⊖ PLUGGED & ABANDONED	PENDING	PROPOSED
⊛ PRODUCING GAS	PI OIL	STORAGE
● PRODUCING OIL	PP GAS	TERMINATED
⊖ SHUT-IN GAS	PP GEOTHERML	
⊖ SHUT-IN OIL	PP OIL	
× TEMP. ABANDONED	SECONDARY	
⊙ TEST WELL	TERMINATED	
♂ WATER INJECTION		
♂ WATER SUPPLY		
♂ WATER DISPOSAL		



PREPARED BY: DIANA WHITNEY
 DATE: 14-APRIL-2005

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)

April 15, 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 MesaVerde)		
43-047-36558	NBU 921-31D	Sec 31 T09S R21E 0527 FNL 1000 FWL
43-047-36559	NBU 921-31A	Sec 31 T09S R21E 0775 FNL 0747 FEL
43-047-36560	NBU 921-31H	Sec 31 T09S R21E 1957 FNL 0704 FEL
43-047-36561	NBU 921-31G	Sec 31 T09S R21E 1980 FNL 1980 FEL
43-047-36562	NBU 921-31F	Sec 31 T09S R21E 1993 FNL 2148 FWL
43-047-36563	NBU 921-31E	Sec 31 T09S R21E 2230 FNL 0567 FWL
43-047-36564	NBU 921-33B	Sec 33 T09S R21E 0660 FNL 1983 FEL
43-047-36565	NBU 1022-1A	Sec 1 T10S R22E 1134 FNL 0717 FEL
43-047-36566	NBU 1022-1B	Sec 1 T10S R22E 0961 FNL 1464 FEL
43-047-36577	NBU 1022-1D	Sec 1 T10S R22E 0221 FNL 0009 FWL
43-047-36567	NBU 1022-1F	Sec 1 T10S R22E 2504 FNL 2534 FWL
43-047-36568	NBU 1022-1H	Sec 1 T10S R22E 1883 FNL 0516 FEL
43-047-36569	NBU 1022-14N	Sec 14 T10S R22E 0542 FSL 1577 FWL
43-047-36570	NBU 1022-14M	Sec 14 T10S R22E 0624 FSL 0689 FWL
43-047-36571	NBU 1022-14L	Sec 14 T10S R22E 1753 FSL 0644 FWL
43-047-36572	NBU 1022-23D	Sec 23 T10S R22E 0720 FNL 1088 FWL
43-047-36573	NBU 1022-23C	Sec 23 T10S R22E 0257 FNL 1840 FWL

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

/s/ Michael L. Coulthard

**State of Utah****Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

MARY ANN WRIGHT
Acting Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 18, 2005

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

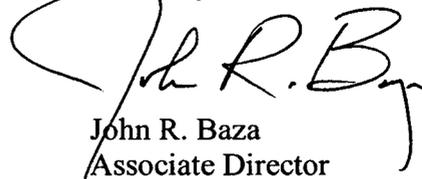
Re: Natural Buttes Unit 921-31E Well, 2230' FNL, 567' FWL, SW NW, Sec. 31,
T. 9 South, R. 21 East, Uintah County, Utah

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 43-047-36563.

Sincerely,



John R. Baza
Associate Director

jc
Enclosures

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

Operator: Westport Oil & Gas Company LP
Well Name & Number Natural Buttes Unit 921-31E
API Number: 43-047-36563
Lease: UTU-0582

Location: SW NW **Sec.** 31 **T.** 9 South **R.** 21 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.

APR 11 2005

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

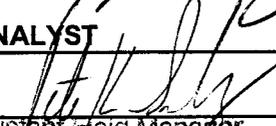
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No. NATURAL BUTTES UNIT	
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		8. Lease Name and Well No. NBU 921-31E	
2. Name of Operator WESTPORT OIL & GAS COMPANY L.P.		9. API Well No. 43-0A7-36563	
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		10. Field and Pool, or Exploratory NATURAL BUTTES	
3b. Phone No. (include area code) (435) 781-7024		11. Sec., T., R., M., or Blk, and Survey or Area SECTION 31-T9S-R21E	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNW 2230'FNL & 567'FWL At proposed prod. Zone Lot 2		12. County or Parish UINTAH	
14. Distance in miles and direction from nearest town or post office* 23.3 MILES SOUTHEAST OF OURAY, UTAH		13. State UTAH	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 567'	16. No. of Acres in lease 1433.57	17. Spacing Unit dedicated to this well 40.00	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 10,025'	20. BLM/BIA Bond No. on file CO-1203	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4916'GL	22. Approximate date work will start*	23. Estimated duration	

24. Attachments

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

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 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. | <ul style="list-style-type: none"> 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized office. |
|---|--|

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 4/8/2005
Title REGULATORY ANALYST		
Approved by (Signature) 	Name (Printed/Typed) PIPER K SOKOLOSKY	Date 04/3/2005
Title Assistant Field Manager Mineral Resources	Office VERMILION 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)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

OCT 11 2005

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Operator/Company: Westport Oil & Gas Company LP

Well Name/Number: NBU 921 - 31E

API Number: 43-047-36563

Location: SWNW Sec Tship Rng.: 31, T9S, R21E

Lease Number: U -0582

Agreement Name (If Applicable): Unit Natural Buttes

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application 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.

Be aware that fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Michael Lee (435) 828-7875
Petroleum Engineer

Matt Baker (435) 828-4470
Petroleum Engineer

BLM FAX Machine (435) 781-4410

Company/Operator: Westport Oil and Gas API Number: 43-047-36563
Well Name & Number: NBU 921-31E Surface Ownership: BLM
Lease Number: UTU0582 Date NOS Received: 2/07/05
Location: SWNW Sec.31, T9S, R21E Date APD Received: 4/11/05

- If any paleontological or cultural materials are encountered, stop work immediately and report the find to this office.
- Paint all facilities Fuller O'Brian color Carlsbad Canyon (2.5Y 6/2). Any paint brand may be used provided the colors match.
- No drilling or construction would be allowed between May 15th through June 20th to protect pronghorn during kidding season.
- The seed mix for this location shall be:

Western Wheatgrass	<i>Agropyron smithii</i>	3lbs. /acre
Indian Ricegrass	<i>Achnatherum hymenoides</i>	3lbs. /acre
Fourwing Saltbush	<i>Atriplex canescens</i>	3lbs. /acre
Shadscale	<i>Atriplex confertifolia</i>	3lbs. /acre

 - All pounds are in pure live seed.
 - Reseeding may be required if first seeding is not successful.
- 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.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

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-0582

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
NBU 921-31E

9. API Well No.
43-047-36563

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
WESTPORT OIL & GAS COMPANY, L.P.

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

3b. Phone No. (include area code)
435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SWNW SEC 31-T19S-R2E
2230' FNL 567' FWL
95 2E 31

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input 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 checked="" 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 type="checkbox"/> Other
			<u>INTERIM SURFACE</u>
			<u>RECLAMATION PLAN</u>

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.

WHEN THE PIT IS BACKFILLED OPERATOR SHALL SPREAD THE TOPSOIL PILE ON THE LOCATION UP TO THE ANCHOR POINTS. THE LOCATION WILL BE RESHAPED TO THE ORIGINAL CONTOUR TO THE EXTENT POSSIB OPERATOR WILL RESEED THE AREA USING THE BLM RECOMMENDED SEED MIXTURE AND RECLAMATION METHODS.

10-12-05
CHD

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

Name (Printed/Typed) DEBRA DOMENICI	Title ASSOCIATE ENVIRONMENTAL ANALYST
Signature <i>Debra Domenici</i>	Date October 4, 2005

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title Assistant Chief	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 Utah Division of Oil, Gas and Mining	Federal Approval Of This Action Is Necessary
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.	Date 10/17/05	BY CHD

(Instructions on reverse)

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-0582

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
NBU 921-31E

9. API Well No.
43-047-36563

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
WESTPORT OIL & GAS COMPANY, L.P.

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

3b. Phone No. (include area code)
435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**SWNW SEC 31-T⁹S-R^{2E}
2230' FNL 567' FWL **214****

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input 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 checked="" 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 type="checkbox"/> Other AMENDED
			INTERIM SURFACE
			RECLAMATION PLAN

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 recomplate 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.

WHEN THE PIT IS BACKFILLED, WITHIN 180 DAYS OF COMPLETION, OPERATOR SHALL SPREAD THE TOPSOIL PILE ON THE LOCATION UP TO THE RIG ANCHOR POINTS. THE LOCATION WILL BE RESHAPED TO THE ORIGINAL CONTOUR TO THE EXTENT POSSIBLE. OPERATOR WILL RESEED THE AREA USING THE BLM RECOMMENDED SEED MIXTURE AND RECLAMATION METHODS.

Approved by the
Bureau of Land Management
Division of Oil, Gas and Mining
FOR RECORD ONLY

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

Name (Printed/Typed) DEBRA DOMENICI	Title ASSOCIATE ENVIRONMENTAL ANALYST
Signature <i>Debra Domenici</i>	Date October 28, 2005

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.

RECEIVED

NOV 2 2005

(Instructions on reverse)

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

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

Well Name: NBU 921-31E

Api No: 43-047-36563 Lease Type: FEDERAL

Section 31 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN'S RIG # BUCKET

SPUDDED:

Date 07/30/06

Time 12:00 NOON

How DRY

Drilling will Commence: _____

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 07/31/2006 Signed CHD

RECEIVED

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

JUL 31 2006

FORM 6

DIV. OF OIL, GAS & MINING

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
4304737771	NBU 1022-18E1		SWNW	18	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	7/30/2006		7/31/06		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 07/30/2006 AT 0900 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736563	NBU 921-31E		SWNW	31	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	7/30/2006		7/31/06		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 07/30/2006 AT 1200 HRS							

Well 3

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

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

[Signature]

Signature

REGULATORY ANALYST

7/31/2006

Title

Date

for EARLENE RUSSELL From SHEILA UPCHEGO
 (5/2000) Co./Dept UTDOGIM Co. KMG
 Phone # (801) 538-5330 Phone (435) 781-7024
 Fax # (801) 359-3940 Fax (435) 781-7094

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-0582

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on reverse side

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

8. Well Name and No.
NBU 921-31E

9. API Well No.
4304736563

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH COUNTY, UTAH

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)
SWNE SEC. 31, T9S, R21E 2230'FNL, 567'FWL

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 2850' TO 9900' ON 08/26/2006. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/515 SX PREM LITE II @11.8 PPG 2.52 YIELD. TAILED CMT W/1223 SX 50/50 POZ @14.3 PPG 1.31 YIELD. NIPPLE DOWN SET SLIPS W/100K CLEAN PITS.

RELEASED ENSIGN RIG 83 ON 08/28/2006 AT 2:00 PM.

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

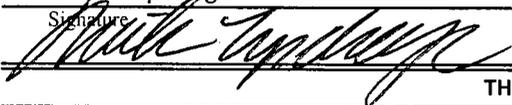
Name (Printed/Typed)

Sheila Upchago

Title

Regulatory Analyst

Signature



Date

August 31, 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.

5. Lease Serial No.
UTU-0582

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
NBU 921-31E

9. API Well No.
4304736563

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)
SWNE SEC. 31, T9S, R21E 2230'FNL, 567'FWL

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 PRODUCTION	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	START-UP	
	<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 09/15/2006 AT 11:00 AM

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED

OCT 11 2006

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

Name (Printed/Typed) Sheila Upchego	Title Regulatory Analyst
Signature 	Date September 20, 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.

KERR MCGEE OIL & GAS ONSHORE, LP
 1368 South 1200 East
 Vernal, UT 84078
 CHRONOLOGICAL HISTORY

NBU 921-31E

	SPUD	Surface Casing	Activity	Status
	07/11/06		Build Location, 15% Complete	Caza 83
	07/12/06		Build Location, 45% Complete	Caza 83
	07/13/06		Build Location, 50% Complete	Caza 83
	07/14/06		Build Location, 55% Complete	Caza 83
	07/17/06		Build Location, 65% Complete	Caza 83
	07/18/06		Build Location, 65% Complete	Caza 83
	07/19/06		Build Location, 65% Complete	Caza 83
	07/20/06		Build Location, 65% Complete	Caza 83
	07/21/06		Build Location, 65% Complete	Caza 83
	07/24/06		Build Location, 65% Complete	Caza 83
	07/25/06		Build Location, 80% Complete	Caza 83
	07/26/06		Build Location, 90% Complete	Caza 83
	07/27/06		Build Location, 95% Complete	Caza 83
	07/28/06		Location Complete	Caza 83
	08/01/06	7/30/06	Set Conductor Spud, WOAR	Caza 83
	08/08/06	8/5/06	Air Rig Spud, DRLG	Caza 83
	08/08/06	8/5/06	9 5/8" @ 2526'	WORT Caza 83
	08/18/06	TD: 3167'	Csg. 9 5/8" @ 2545'	MW: 8.4 SD: 8/18/06 DSS: 0 Finish RU. NU and test BOPE. PU BHA and DP. Drill cmt and FE. Drill f/ 2580'-3167'. DA @ report time.
	08/21/06	TD: 7452'	Csg. 9 5/8" @ 2545'	MW: 11.1 SD: 8/18/06 DSS: 3 Drill f/ 3167'-6568'. Inc MW to 10.5 due to gas. Drill to 7452'. DA @ report time.
	08/22/06	TD: 7978'	Csg. 9 5/8" @ 2545'	MW: 11.7 SD: 8/18/06 DSS: 4 Drill f/ 7452'-7978'. DA @ report time.

08/23/06 TD: 8560' Csg. 9 5/8" @ 2545' MW: 11.9 SD: 8/18/06 DSS: 5
Drill f/ 7978'-8560'. Drlg w/ 15' flare. DA @ report time.

08/24/06 TD: 9130' Csg. 9 5/8" @ 2545' MW: 12.3 SD: 8/18/06 DSS: 6
Drill f/ 8560'-9130'. DA @ report time.

08/25/06 TD: 9459' Csg. 9 5/8" @ 2545' MW: 12.2 SD: 8/18/06 DSS: 7
Drill f/ 9130'-9410'. TFNB. Drill to 9459'. DA @ report time.

08/28/06 TD: 9900' Csg. 9 5/8" @ 2545' MW: 12.2 SD: 8/18/06 DSS: 10
Drill f/ 9459'-9900'. CCH and short trip. TOOH for logs. Run logs to TD. TIH, CCH, and
LDDS. Run 4.5" prod csg. CCH and prep to cmt @ report time.

08/29/06 TD: 9900' Csg. 9 5/8" @ 2545' MW: 12.3 SD: 8/18/06 DSS: 11
Cement 4 1/2" Production Casing. ND BOPE, set slips and release rig @ 1430 hrs 8/28/06. RDRT
and prepare to move rig this am.

9/11/06 PROG: 9/8/06 7:00AM HSM. MIRU, ND WELL HEAD, NU BOP. PREP. TBG. , MU 3 7/8" MILL .
RIH PICKING UP TBG. RUN & TALLY 222 JTS. EOT @ 8021'. X-O POOH W/ TBG. NDBOPE.
NU FRAC VLV ASSEMBLY. MIRU B&C QUICK TST. PSI TST FRAC VLV'S & CSG TO 7500#
(HELD). RDMO B&C. PREP TO FRAC MONDAY A.M. SWI. SDFWE

PROG: 9/11/06 MIRU SCHLUMBERGER & CUTTERS WIRELINE SERVICE. HSM. PRES TEST
SURFACE LINE TO 8500 PSI. ALL STAGES WILL INCLUDE THE FOLLOWING: FRAC'D
W/PRODUCED WATER, 30/50 OTTAWA SAND, NALCO DVE-005 SCALE INHIBITOR (3 GPT
PAD THRU MID SND & 10 GPT IN FLUSH), BAKER 4.5" 8K CBPs, PERFS SHOT WITH 3-3/8"
GUNS (23 GM CHG, 0.35" HOLE SIZE, 42" PENETRATION, 3 OR 4 SHOTS PER FOOT).

STAGE 1: MU CWLS, PU PERF GUN. RIH, PERF: 9733-36' (3 SPF), PU, PERF: 9693-97' (3 SPF),
PU, PERF: 9619-22' (3 SPF), PU, PERF: 9539-42' (4 SPF). TOT OF 42 HOLES. POOH, LD WL TLS.
MU D/S. OPEN WELL: 0 PSI, BRK: 4144 PSI, ISIP: 2900 PSI, FG: 0.74. EST RATE: 50 BPM @
5250 PSI. FRAC STAGE W/ SW (PRODUCED WTR). TOT SND: 83,400 LBS, TOT FL: 2350 BBL.
ISIP: 3480 PSI, FG: 0.80. MP: 7807 PSI, MR: 52.9 BPM, AP: 4748 PSI, AR: 45.9 BPM.

STAGE 2: MU CWLS, PU CBP & PERF GUN. RIH, SET CBP @ 9430', PU, PERF: 9397-9400' (4
SPT), PU, PERF: 9312-16' (3 SPF), PU, PERF: 9263-66' (3 SPF), PU, PERF: 9189-92' (4 SPF). POOH,
LD WL TLS. MU D/S. OPEN WELL: 1900 PSI, BRK: 4393 PSI, ISIP: 2840 PSI, FG: 0.74. EST
RATE: 51 BPM @ 4850 PSI. FRAC STAGE W /SW (PRODUCED WTR). TOT SND: 151,650 LBS.
TOT FL: 3861 BBL. ISIP: 2950 PSI, FG: 0.76. MP: 5574 PSI, MR: 56.8 BPM, AP: 4647 PSI. AR: 52.4
BPM.

STAGE 3: MU CWLS, PU CBP & PERF GUN. RIH, SET CBP @ 8814'. PU, PERF: 8777-80' (4 SPF),
PU, PERF: 8705-10' (4 SPF), PU, PERF: 8666-70' (3 SPF). TOT OF 44 HOLES. POOH, LD WL TLS.
MU D/S. OPEN WELL: 570 PSI, BRK: 7066 PSI, ISIP: 2930 PSI, FG: 0.75. EST RATE: 50.5 BPM @
5350 PSI. FRAC STAGE W/ SW (PRODUCED WTR) . TOT SND: 81,750 PSI, TOT FL: 2180 BBL.
ISIP: 3300 PSI, FG: 0.82. MP: 7472 PSI, MR: 53 BPM, AP: 4962 PSI, AR: 47.3 BPM. VETCO WING
VALVE WILL NOT HOLD. CALL FOR SERVICE WORK.

STAGE 4: MU CWLS, PU CBP, RIH, SET CBP @ 8630'. POOH, LD WL TLS. WAIT ON VETCO
FOR VALVE REPAIR.

09/12/06 PROG: 7:00 A.M. HSM. CONT W/ FRAC.

STG 4: CSG VLV WAS REPLACED BEFORE 7:00 A.M. P/U 3 3/8" EXP PERF GUNS & RIH.

SHOOT 9 HOLES F/ 8570' - 73', P/U SHOOT 12 HOLES F/ 8508' - 12', P/U SHOOT 16 HOLES F/ 8432' - 36', P/U SHOOT 6 HOLES F/ 8346' - 48'. POOH. BRK DWN PERF'S @ 2689#, EST INJ RT @ 50.9 BPM @ 4880#, ISIP 2281#, FG .71, TREAT STG 4 W/ 95,400# 30/50 SAND W/ SLK WTR. TOT CL FL 2484 BBLS, ISIP 3229#, NPI 948#, FG .82 (2040# ON WELL AFTER PERF)

STG 5:, P/U 3 3/8" PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 8276', P/U SHOOT 9 HOLES F/ 8243' - 46', P/U SHOOT 16 HOLES F/ 8190' - 94', P/U SHOOT 6 HOLES F/ 8092' - 94', P/U SHOOT 12 HOLES F/ 7975' - 78'. POOH. BRK DWN PERF'S @2840#, EST INJ RT @ 50.7 BPM @ 5050#, ISIP 2539#, FG .75, TREAT STG 5 W/ 110,100# SAND W/ SLK WTR. TOT CL FL 2793 BBLS. ISIP 3121#, NPI 582#, FG .82 (2180# ON WELL AFTER PERF).

P/U 4 1/2" BAK 8K CBP & RIH. SET KILL PLUG @ 7865'. POOH. RDMO CUTTERS, RDMO SCHLUMBERGER. ND FRAC VLV'S, NU BOPE. P/U 3 7/8" BIT, POBS & RIH W/ TBG. TAG FILL @ 7855'. (10' FILL). R/U DRL EQUIP. R/U PMP & LINES. PREP TO DRL OUT IN A.M. SWI. SDFN.

09/13/06

P ROG: 7:00 A.M. HSM. BRK CONV CIRC W/ 2% KCL & BEG TO DRL. C/O 10' FILL TO KILL PLUG @ 7865'. DRL UP 1ST CBP IN 10 MIN. (1500# PSI INC). CONT TO RIH. TAG FILL @ 8246', (30' FILL). C/O TO 2ND CBP @ 8276'.

DRL UP 2ND CBP IN 10 MIN. (1000# PSI INC). CONT TO RIH. TAG FILL @ 8600', (30' FILL). C/O TO 3RD CBP @ 8630'.

DRL UP 3RD CBP IN 8 MIN. (700# PSI INC). CONT TO RIH. TAG FILL @ 8724', (90' FILL). C/O TO 4TH CBP @ 8814'.

DRL UP 4TH CBP IN 10 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 9385', (45' FILL). C/O TO 5TH CBP @ 9430'.

DRL UP 5TH CBP IN 9 MIN. (600# PSI INC). CONT TO RIH. TAG FILL @ 9736', (51' FILL). C/O TO PBTD @ 9787'. CIRC WELL CLEAN FOR 30 MIN. R/D DRL EQUIP. POOH L/D 41 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 8871'. NDBOPE. DROP BALL, NU WH. PMP OFF THE BIT SUB @ 3500#. TURN OVER TO FLOW BACK CREW. RDMO.

SICP 2000#
FTP 300#
46/64 CHOKE

JTS ON LOC 290 JTS
JTS IN WELL 280 JTS
JTS ON TRAILER 10 JTS

PROG: 9/14/06 WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1900#, TP: 1600#, 20/64 CHK, 99 BWPH, 18 HRS, SD: TRACE, TTL BBLS FLWD: 1881 BBLS, TODAY'S LTR: 10698 BBLS, LOAD REC TODAY: 1881 BBLS, REMAINING LTR: 8817 BBLS, TOTAL LOAD REC TO DATE: 1881 BBLS.

09/15/06

ON SALES

09/13/06: 0 MCF, 0 BC, 0 BW, TP: 1600#, CP: 1900#, 0/64 CHK, 0 HRS, LP: 0#.

09/14/06

PROG: 9/15/06 WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1950#, TP: 1650#, 20/64 CHK, 66 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 1665 BBLS, TODAY'S LTR: 8817 BBLS, LOAD REC TODAY: 1665 BBLS, REMAINING LTR: 7152 BBLS, TOTAL LOAD REC TO DATE: 3546 BBLS.

09/15/06

PROG: ON FLOWBACK. (5 days)

9/18/06: CP: 3300#, TP: 1690#, 305 MCF, 800 WTR, 20/64" CK. TTL LOAD REC'D 6346 BBLS.
LLTR 4352.

9/17/06: CP: 2600#, TP: 1700#, 93 MCF, 1000 WTR, 20/64" CK. TTL LOAD REC'D 5581 BBLS.
LLTR 5117.

9/16/06: CP: 1950#, TP: 1650#, 0 MCF, 1580 WTR, 20/64" CK. TTL LOAD REC'D 4668 BBLS.
LLTR 6030.

09/18/06

ON SALES

09/14/06: 0 MCF, 0 BC, 1580 BW, TP: 1650#, CP: 1950#, 20/64 CHK, 0 HRS, LP: 320#.

09/15/06: 93 MCF, 0 BC, 1000 BW, TP: 1700#, CP: 2600#, 20/64 CHK, 20 HRS, LP: 320#.

09/16/06: 305 MCF, 0 BC, 800 BW, TP: 1690#, CP: 3300#, 20/64 CHK, 20 HRS, LP: 330#.

09/19/06

ON SALES

09/17/06: 426 MCF, 0 BC, 720 BW, TP: 1500#, CP: 3621#, 20/64 CHK, 20 HRS, LP: 344#.

09/20/06

ON SALES

09/18/06: 787 MCF, 0 BC, 700 BW, TP: 1500#, CP: 3486#, 20/64 CHK, 20 HRS, LP: 350#.

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-0582

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

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

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

8. Lease Name and Well No.
NBU 921-31E

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

9. API Well No.
4304736563

4. Location of Well (Report locations clearly and in accordance with Federal requirements)*
At surface SWNW 2230'FNL, 567'FWL

10. Field and Pool, or Exploratory
NATURAL BUTTES

At top prod. interval reported below

11. Sec., T., R., M., or Block and Survey or Area SEC. 31, T9S, R21E

12. County or Parish UTAH
13. State UTAH

14. Date Spudded 07/30/06
15. Date T.D. Reached 08/26/06
16. Date Completed D & A Ready to Prod. 09/15/06

17. Elevations (DF, RKB, RT, GL)*
4916'GL

18. Total Depth: MD 9900' TVD
19. Plug Back T.D.: MD 9787' TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL-CCL-GR
22. Was well cored? No Yes (Submit copy)
Was DST run? No Yes (Submit copy)
Directional Survey? No Yes (Submit copy)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	32.3# 36#	H-40 J-55	2580'		670 SX			
7 7/8"	4 1/2"	11.6#		9900'		1738 SX			

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	8871'							

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	7975'	9736'	7975'-9736'	0.35	217	OPEN
B)						
C)						
D)						

Depth Interval	Amount and type of Material
7975'-9736'	PMP 13,848 BBLs SLICK H2O & 522,300# 30/50 OTTOWA SD

RECEIVED
NOV 01 2006

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/15/06	09/21/06	24	→	0	1,339	1200			DIV. OF OIL, GAS & MINING FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64		2303#	→	0	1339	1200		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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

(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	4986' 7949'	7949'			

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 REGULATORY ANALYST
 Signature  Date 10/23/2006

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.

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-0582

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 921-31E

9. API Well No.
4304736563

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)
SW/NE SEC. 31, T9S, R21E 2230'FNL, 567'FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<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.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE WASATCH FORMATION FOR THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH FORMATION AND PLUG OFF THE EXISTING MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED WASATCH ONLY RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 6-26-2008

Initials: KS

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date June 13, 2008

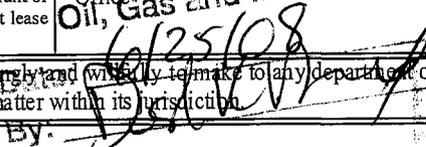
THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Accepted by the Utah Division of Oil, Gas and Mining	Date	Federal Approval Of This Action Is Necessary
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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.

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)

By:  6/25/08

RECEIVED
JUN 17 2008

Name: NBU 921-31E
Location: SW NW Sec 31 T9S R21E
Uintah County, UT
Date: 05/22/2008

ELEVATIONS: 4916 GL 4933 KB

TOTAL DEPTH: 9888 **PBTD:** 9843
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2545'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9888'
 Marker Joint 4883-4904'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1698' Green River
 2462' Mahogany
 5033' Wasatch
 7933' Mesaverde

T.O.C.@Surface

GENERAL:

- A minimum of **23** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated
- **5** fracturing stages required for coverage.
- Procedure calls for 6 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump resin coated sand last 5,000# of all frac stages
- Tubing Currently Landed @~8870
- Originally completed on 9/11/2006

Existing Perforations:

Mesaverde	7975	7978	4	12
Mesaverde	8092	8094	3	6
Mesaverde	8190	8194	4	16
Mesaverde	8243	8246	3	9
Mesaverde	8346	8348	3	6
Mesaverde	8432	8436	4	16
Mesaverde	8508	8512	3	12
Mesaverde	8570	8573	3	9
Mesaverde	8666	8670	3	12
Mesaverde	8705	8710	4	20
Mesaverde	8777	8780	4	12
Mesaverde	9189	9192	4	12
Mesaverde	9263	9266	3	9
Mesaverde	9312	9316	3	12
Mesaverde	9397	9400	4	12
Mesaverde	9539	9542	4	12
Mesaverde	9619	9622	3	9
Mesaverde	9693	9697	3	12
Mesaverde	9733	9736	3	9

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOO H with 2-3/8", 4.7#, J-55 tubing (currently landed at ~8870'). Visually inspect for scale and consider replacing if needed. If the tubing is above the proposed CBP depth, RIH with tubing and tag for fill before TOO H.
3. If tbg looks ok consider running a gauge ring to 7975 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7975 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 7925'. Pressure test BOP and casing to 6200 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7590	7595	4	20
WASATCH	7734	7740	4	24

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7540' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~7460'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7218	7222	4	16
WASATCH	7424	7430	4	24
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7168' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~6623'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6472	6474	3	6
WASATCH	6517	6520	3	9
WASATCH	6584	6593	3	27
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6422' trickle 250gal 15%HCL w/ scale inhibitor in flush.
11. Set 8000 psi CBP at ~6308'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6154	6158	4	16
WASATCH	6270	6278	3	24
12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~6104' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
13. Set 8000 psi CBP at ~5551'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5440	5448	4	32
WASATCH	5519	5521	4	8
14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5390' and flush only with recycled water.
15. Set 8000 psi CBP at ~5390'.
16. TIH with 3 7/8" bit, sliding sleeve, SN and tubing.
17. Drill plugs and clean out to 7915 and tubing at ±7520'. DO NOT POBS, but open sliding sleeve. This well will not be commingled.
18. RDMO

**For design questions, please call
Curtis Caile, Denver, CO**

(406)-490-2742 (Cell)
(720)-929-6194 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
4350781 7041 (Office)

NOTES:

NBU 921-31E
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	7590	7595	4	20	7588.5	to	7589
	WASATCH	7734	7740	4	24	7590.5	to	7600
	WASATCH		No Perfs			7514	to	7514.5
	WASATCH		No Perfs			7731	to	7739
	WASATCH		No Perfs			7739	to	7743
	WASATCH		No Perfs			7746	to	7746
	WASATCH		No Perfs			7526	to	7528
	WASATCH		No Perfs			7544	to	7544.5
	WASATCH		No Perfs			7587	to	7589
	WASATCH		No Perfs			7607	to	7607.5
	WASATCH		No Perfs			7623	to	7626
	WASATCH		No Perfs			7629	to	7630
	WASATCH		No Perfs			7653	to	7654
	WASATCH		No Perfs			7692	to	7694
WASATCH		No Perfs			7770	to	7772	
	# of Perfs/stage				44	CBP DEPTH	7,460	
2	WASATCH	7218	7222	4	16	7217.5	to	7224
	WASATCH	7424	7430	4	24	7253	to	7253.5
	WASATCH		No Perfs			7255	to	7256.5
	WASATCH		No Perfs			7425.5	to	7429
	WASATCH		No Perfs			7150	to	7150.5
	WASATCH		No Perfs			7153	to	7153.5
	WASATCH		No Perfs			7156	to	7156.5
	WASATCH		No Perfs			7400	to	7400.5
	WASATCH		No Perfs			7408	to	7408.5
	WASATCH		No Perfs			7414	to	7416
	WASATCH		No Perfs			7444	to	7446
	# of Perfs/stage				40	CBP DEPTH	6,623	
3	WASATCH	6472	6474	3	6	6473.5	to	6474
	WASATCH	6517	6520	3	9	6516	to	6520.5
	WASATCH	6584	6593	3	27	6578.5	to	6592
	WASATCH		No Perfs			6626	to	6627
	WASATCH		No Perfs			6595	to	6595.5
	WASATCH		No Perfs			6453	to	6453.5
	WASATCH		No Perfs			6470	to	6470.5
	# of Perfs/stage				42	CBP DEPTH	6,308	
4	WASATCH	6154	6158	4	16	6146	to	6159
	WASATCH	6270	6278	3	24	6245	to	6247
	WASATCH		No Perfs			6248	to	6282
	WASATCH		No Perfs			6298	to	6300
	WASATCH		No Perfs			6103	to	6103.5
	WASATCH		No Perfs			6124	to	6125
WASATCH		No Perfs			6142	to	6144	
	# of Perfs/stage				40	CBP DEPTH	5,551	
5	WASATCH	5440	5448	4	32	5429.5	to	5452
	WASATCH	5519	5521	4	8	5519	to	5520.5
	WASATCH		No Perfs			5456	to	5460
	# of Perfs/stage				40	CBP DEPTH	5,390	
	Totals				206			

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-0582

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 921-31E

9. API Well No.
4304736563

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)
SW/NE SEC. 31, T9S, R21E 2230'FNL, 567'FWL

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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<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.

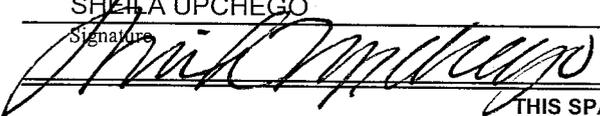
THE OPERATOR HAS PERFORMED A RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION BACK ON PROUDCTION ON 07/25/2008 AT 12:00 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
AUG 25 2008

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature 	Date August 20, 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.

Wins No.: 77400

NBU 921-31E

API No.: 4304736563

EVENT INFORMATION:	EVENT ACTIVITY: RECOMPLETION	START DATE: 7/14/2008	AFE NO.: 2019492
	OBJECTIVE: DEVELOPMENT	END DATE: 7/19/2008	
	OBJECTIVE 2: RECOMPLETE	DATE WELL STARTED PROD.:	
	REASON: WAS RECOMPLETE	Event End Status: COMPLETE	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
-----------------	--------------------	-----------------	-------------	---------------------	-----------------	-------------	------------------

KEY 59 / 59

07/14/2008

07/21/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
7/14/2008	SUPERVISOR: DAVID DANIELS						MD:
	7:00 - 7:30	0.50	COMP	48		P	HSM, JSA # 1.
	7:30 - 18:30	11.00	COMP	31	I	P	R.R F/ NBU 452, T/ NBU 921-31E. MIRU RIG SPOT EQUIP. WH PSI 70 #. BLOW WELL DOWN T/ PROD TANK. RIG PUMP T/ TBG, CONTROL WELL W/ 20 BBLs 2% KCL. ND WH, NU BOP. RU TBG EQUIP, UNLAND TBG. LD 4 1/16 TBG HNGR. POOH W/ TBG & TALLY. S.B. 252 JTS IN THE DERRICK, LD 28 JTS 2 3/8 L-80. & BHA = POBS & R NIPPLE. ND BOP, NU FRAC V. SWI. SDFN.
7/15/2008	SUPERVISOR: DAVID DANIELS						MD:
	7:00 - 7:30	0.50	COMP	48		P	HSM, JSA # 2.
	7:30 - 15:00	7.50	COMP	34	H	P	MIRU CASED HOLE SOLUTIONS. PU 3 7/8 GAUGE RING, RIH T/ 7980'. POOH L.D. GAUGE RING. PU 4.5 CBP RIH SET @ 7900'. POOH. MIRU B & C QUICK TEST. PSI TEST 8K CBP, CSG, & BOTH FRAC VALVES T/ 6200#. (HELD) BLEED OFF PSI, RDMO B & C QUICK TEST. PU 3 3/8 EXP GUNS, 23 GM, .36 HOLES. RIH PREF 7740'-37', 4 SPF, 24 HOLES. 7595'-90', 4 SPF, 20 HOLES. POOH. S.B. LUBE, SWI, PREP T/ FRAC IN :AM. SDFN.
7/16/2008	SUPERVISOR: DAVID DANIELS						MD:
	7:00 - 7:30	0.50	COMP	48		P	HSM. FRAC SAFTY.
	7:30 - 16:00	8.50	COMP	36	B	P	MIRU SUPERIOR FRAC SERV & CASED HOLE SOLUTIONS. PSI TEST LINES & FRAC HEAD T/ 7200#. GOOD TEST. STG # 1) OPEN WELL 1582 #. BRK @ 4250# @ 5.4 BPM, FG .76. S.D. ISIP 2488#. GET UP T/ RATE PUMP PAD, LOST 2 PUMP TRUCKS, S.D. @ 9:30 AM, CHANGE FUEL FILTERS ON PUMP # 1, WAIT FOR PARTS ON # 2. INSTALL FLANGE. SET UP T/ PSI TEST. PUMP #2 WOULD NOT TEST. TAKE PUMP #2 OFF LINE. 12:08 PM START PUMP. START JOB OPEN WELL 2911 #. PUMP 86,658# OF 30/50 OWATTA, 5000# TLC RESIN. ISIP 3297#. FG .87. X OVER FOR W.L. STG # 2) PU 4 1/2 8K BAKER CBP, & 3 3/8 EXP GUN, 23 GM, 90 DEG PHASING. RIH SET CBP @ 7450', PU PERF 7430'-24', 4 SPF, 24 HOLES. 7222'-18', 4 SPF, 16 HOLES. POOH X-OVER T/ FRAC CREW. REPACK 2 PUMPS, FOUND IN 2ND PUMP BRASS KIT WAS NOT GOOD. CALL FOR PARTS. WILL BE READY T/ PUMP @ 7:AM. SWI, SDFN.
7/17/2008	SUPERVISOR: DAVID DANIELS						MD:
	7:00 - 7:30	0.50	COMP	48		P	HSM, JSA # 3.

Wins No.: 77400

NBU 921-31E

API No.: 4304736563

7:30 - 18:30 11.00 COMP 36 B P

OPEN WELL 2600#.
 STG 2) BRK 4613# @ 4.5 BPM.
 S.D., ISIP 2740#, FG .81. PUMP 34,000# 30/50 SAND, & 5000#
 20/40 TLC RESIN. ISIP 3100#, FG .86. WHILE PUMPING LOST
 PUMP # 3, 2 TIMES. LOST PACKING IN # 2 PUMP . SD. WAIT
 FOR NEW PUMP F/ VERNAL YARD. MIRU PUMP F/ YARD.
 CHANG OUT OILER CHECK VALVES IN PUMP # 2. X-OVER FOR
 W.L.
 PU 4 1/2 BAKER 8K CBP, & 3 3/8 EXP GUM, .23 GM, 120 DEG
 PHASING. RIH SET CBP @ 6611', P/U PERF 6584'-93', 27 HOLES.
 6517'-20', 9 HOLES, 6472'-74', 6 HOLES. POOH. X-OVER T/ FRAC
 CREW.

STG 3) OPEN WELL 2340#
 BRK 2320# @ 3.8 BPM.
 S.D., ISIP 2348#, FG .80. PUMP 48,000 # 30/50, TAIL IN W/ 5000#
 TLC RESIN. ISIP 2698#, FG .85. S.D. (LOST PACKING IN NEW
 PUMP WHILE PUMPING) MAKE REPAIRS T/ PUMP. SWI, SDFN.

7/18/2008

SUPERVISOR: DAVID DANIELS

MD:

7:00 - 7:30 0.50 COMP 48 P
7:30 - 19:00 11.50 COMP 36 B P

HSM, W/ FRAC, W.L., & RIG CREW.

STG 4)OPEN WELL 1700#
 PU 4 1/2, 8K BAKER CBP, & 3 3/8 EXP GUN, 23 GM, 90 & 120
 DEG PHASING. RIH SET CBP @ 6294' P/U PREF 6270'-78', 3 SPF,
 24 HOLES, 6154'-58', 4 SPF, 16 HOES. POOH. X-OVER T/ FRAC
 CREW.

PSI TEST LINES T/ 7200# GOOD.
 START BOOST, SUCKTION LINE ON PUMP STARTED LEAKING,
 SHUT PUMP IN, TAKE PUMP OFF LINE. START BOOST, FOUND
 ON DIFFRENT PUMP DRAIN CAPS STIPPED OUT. S.D. SWI,
 WAIT FOR PARTS FROM VERNAL YARD. WAIT 2 HRS. INSTALL
 NEW SUCKTION LINE + NEW DRAIN CAPS.
 OPEN WELL 400#
 BRK 4650# @ 3.5 BPM. S.D. ISIP 2050#, FG .77, PUMP 126,058#
 30/50 SAND, TAIL IN W/ 5000# TLC RESIN COATED. ISIP 4790#,
 FG .83. (WHILE PUMPING LOST PACKING IN PUMP # 1, SHUT
 PUMP IN)
 X-OVER FOR W.L.

STG 5) PU 4 1/2 , 8K BAKER CBP, & 3 3/8 EXP, 23 GM, 90 DEG
 PHASING. RIH SET CBP @ 5535', P/U PERF 5519'-21', 4 SPF, 8
 HOLES, 5440'-48', 4 SPF, 32 HOLES. POOH.
 X-OVER T/ FRAC CREW.
 OPEN WELL 937#
 BRK 2306# @ 4.2 BPM. ISIP 1750#, FG .76. PUMP 38,654# 30/50
 SAND. TAIL IN W/ 5000# 20/40 TLC RESIN COATED SAND.
 ISIP 3228#, FG .84,
 X-OVER FOR W.L.
 PU 4 1/2 8K CBP. RIH SET CBP @ 5360'. POOH,
 RDMO CASED HOLE SOLUTION & SUPERIOR FRAC SERV.
 ND FRAC VALVE. NU BOP. RU TBG EQUIP. PU 3 7/8 BIT +
 X-DART V + SLIDE OPEN BIT SUB + X-N NIPPLE, 1.875. RIH W/ 2
 3/8 L-80 TBG T/ 4200'. SWI. SDFWE.

7/19/2008

SUPERVISOR: DAVID DANIELS

MD:

7:00 - 7:30 0.50 COMP 48 P

HSM, DRL CBP.

7:30 - 18:30	11.00	COMP	44	C	P	<p>OPEN WELL 0 PSI. CONT RIH F/ 4200', TAG K.P. RU DRL EPUIP, & CIRC EQUIP. BREAK CONV CIRC. CBP # 1) TAG FILL @ 5355' = 5' OF FILL. DRL CBP @ 5360' IN 8 MIN, 700# INCR. CONT RIH.</p> <p>CBP # 2) TAG FILL @ 5505' = 30' FILL. DRL OUT CBP @ 5535' IN 12 MIN, 500# INCR. CONT RIH.</p> <p>CBP # 3) TAG FILL @ 6264' = 30' FILL. DRL OUT CBP @ 6294', IN 8MIN. CONT RIH.</p> <p>CBP # 4) TAG FILL @ 6581' = 30' FILL. DRL OUT CBP @ 6611' IN 8 MIN. CONT RIH.</p> <p>CBP # 5) TAG FILL @ 7420' = 30' FILL. DRL OUT CBP @ 7450' IN 13 MIN. CONT RIH.</p> <p>TAG FILL @ 7826'. CO 90' OF FILL T/ PBTD @ 7916'. CIRC WELL CLEAN W/ 40 BBLS 2% KCL. RD DRL EQUIP, POOH LD EXESS 2 3/8 L-80 TBG, PU 4 1/16 TBG HNGR. LAND TBG W/</p> <table border="0"> <tr> <td>KB</td> <td>17.00</td> </tr> <tr> <td>4 1/16 HNGR</td> <td>.83</td> </tr> <tr> <td>239 JTS 2 3/8 L-80</td> <td>7449.97</td> </tr> <tr> <td>XN-NIPP /SLIDE OPEN B.S.</td> <td>3.50</td> </tr> <tr> <td></td> <td>-----</td> </tr> <tr> <td>EOT</td> <td>7471.30</td> </tr> </table> <p>ND BOP, NU WH. DROP BALL PUMP BIT OPEN W/ 1500#. OPEN WELL T/ FLOW BACK TANK. TURN WELL OVER T/ FBC. FTP 50#. SICP 500#. RACK OUT EQUIP. SDFN.</p> <p>(SLIDE OPEN BIT SUB W/ 3 7/8 BIT STILL ON TH END OF TBG)</p>	KB	17.00	4 1/16 HNGR	.83	239 JTS 2 3/8 L-80	7449.97	XN-NIPP /SLIDE OPEN B.S.	3.50		-----	EOT	7471.30
KB	17.00																	
4 1/16 HNGR	.83																	
239 JTS 2 3/8 L-80	7449.97																	
XN-NIPP /SLIDE OPEN B.S.	3.50																	

EOT	7471.30																	
7/21/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>												
7:00 -			33	A	7 AM FLBK REPORT: CP 1150#, TP 900#, 16/64" CK, 45 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 9943 BBLS LEFT TO RECOVER: 585													
7/22/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>												
7:00 -			33	A	7 AM FLBK REPORT: CP 1150#, TP 900#, 16/64" CK, 45 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 585 BBLS LEFT TO RECOVER: 9943													
7/23/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>												
7:00 -			33	A	7 AM FLBK REPORT: CP 1100#, TP 800#, 12/64" CK, 29 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 1521 BBLS LEFT TO RECOVER: 9007													
7/24/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>												
7:00 -			33	A	7 AM FLBK REPORT: CP 1000#, TP 650#, 16/64" CK, 32 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 2293 BBLS LEFT TO RECOVER: 8235													
7/25/2008	<u>SUPERVISOR:</u> DAVID DANIELS					<u>MD:</u>												
7:00 -			33	A	7 AM FLBK REPORT: CP 1050#, TP 525#, 16/64" CK, 22 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5126 BBLS LEFT TO RECOVER: 5402													
12:00 -		PROD				WELL TURNED TO SALES @ 1200 HR ON 7/25/2008 - FTP 600#, CP 1000#, CK 12/64", 240 MCFD, 1008 BWPD												

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-0582

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

8. Lease Name and Well No.
NBU 921-31E

4. Location of Well (Report locations clearly and in accordance with Federal requirements)*
At surface SWNW 2230'FNL, 567'FWL

9. API Well No.
4304736563

At top prod. interval reported below
At total depth

10. Field and Pool, or Exploratory
NATURAL BUTTES

14. Date Spudded 15. Date T.D. Reached 16. Date Completed
07/30/06 08/26/06 07/25/08
 D & A Ready to Prod.

11. Sec., T., R., M., or Block and Survey or Area SEC. 31, T9S, R21E
12. County or Parish UINTAH 13. State UTAH

17. Elevations (DF, RKB, RT, GL)*
4916'GL

18. Total Depth: MD 9900' TVD 19. Plug Back T.D.: MD 7916' TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) N/A
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"	32.3# 36#	H-40 J-55	2580'		670 SX			
7 7/8"	4 1/2"	11.6#		9900'		1738 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"	7471'							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5440'	7740'	5440'-7740'	0.36	206	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and type of Material
5440'-7740'	PMP 10,528 BBLs SLICK H2O & 331,981# 30/50 SD

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
07/25/08	08/05/08	24	→	0	575	45			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 601#	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
16/64	SI	1536#	→	0	575	45			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
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
	SI		→						

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

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SEP 09 2008
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

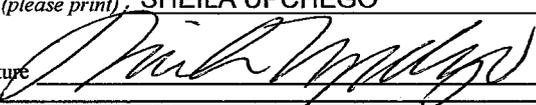
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	4986'	7949'			

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 REGULATORY ANALYST
 Signature  Date 8/24/2008

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-0582
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 921-31E
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047365630000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2230 FNL 0567 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 31 Township: 09.0S Range: 21.0E 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: 6/28/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input 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 checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>

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

The operator requests authorization to plug and abandon the subject well location. Plug and abandonment procedures are attached.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 07/11/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 6/28/2011	

NBU 921-31E
2230' FNL & 567' FWL
SWNW SEC.31, T9S, R21E
Uintah County, UT

KBE:	4931'	API NUMBER:	4304736563
GLE:	4916'	LEASE NUMBER:	UTU-0582
TD:	9900'	WI:	100.00000%
PBTD:	9787'	NRI:	83.494445%

CASING :

12.25" hole
9.625" 36# J-55 & 32.3# H-40 @ 2,580'
Cemented with 670 sx,

7.875" hole
4.5" 11.6# I-80 @ 9900'
Cemented with 1738 sx, TOC @ Surface per CBL

PERFORATIONS:

Wasatch 5440' - 7740'
Mesaverde 7975' - 9736'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 32.3# H-40	8.845	1400	2270	3.3055	0.4418	0.0787
9.625" 36# J-55	8.765	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01
4.5" csg X 9 5/8" 36# csg				2.227	0.2977	0.053
4.5" csg X 7.875 borehole				1.704	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3428	0.3132	0.0558

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1556'
Bird's Nest	1719'
Mahogany	2322'
Base of Parachute	3232'
Wasatch	4986'
Mesaverde	7949'

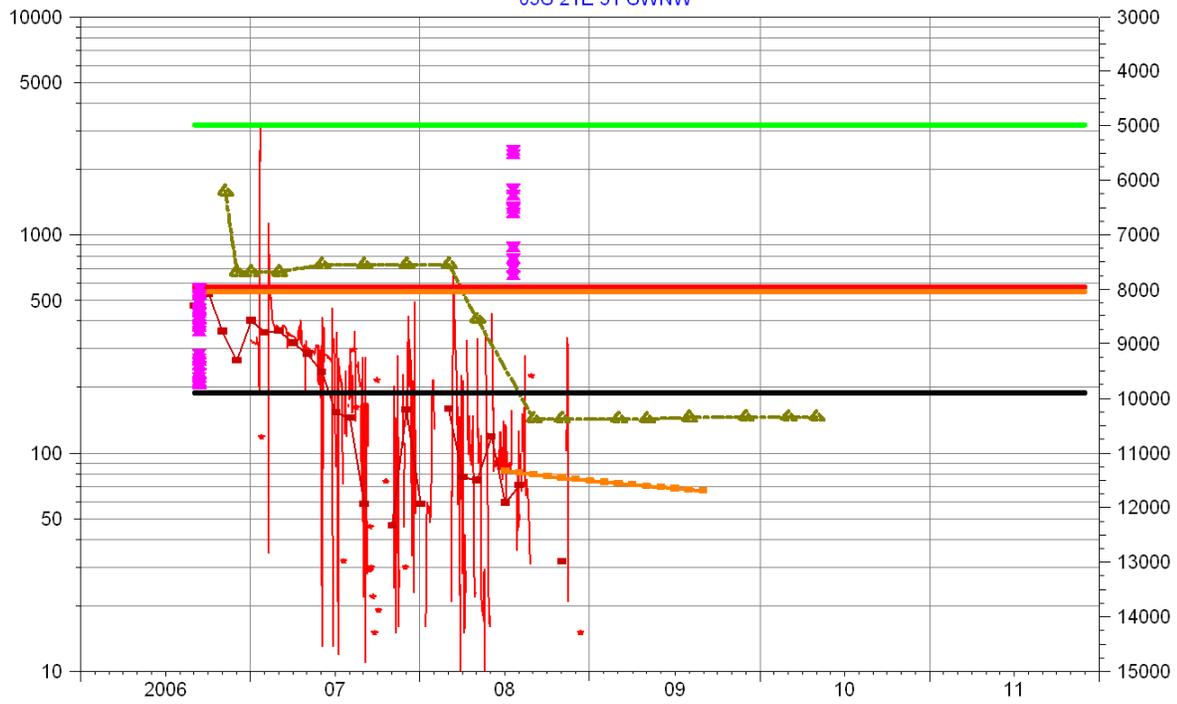
Tech. Pub. #92 Base of USDW's

USDW Elevation	~1100' MSL
USDW Depth	~3831' KBE

KERR-MCGEE OIL & GAS ONSHO
Cmpl Type: SLICKWATER W/TM/MM

NBU 921-31E
43047365630000
09S 21E 31 SWNW

Gas Cum Monthly : 146 MMcf
Gas Cum Dly : 94442 Mcf



NBU 921-31E PLUG & ABANDONMENT PROCEDURE**GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.
- A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

PROCEDURE

Note: An estimated 174 sx Class "G" cement needed for procedure

Note: No gyro has been run as of 9/15/10

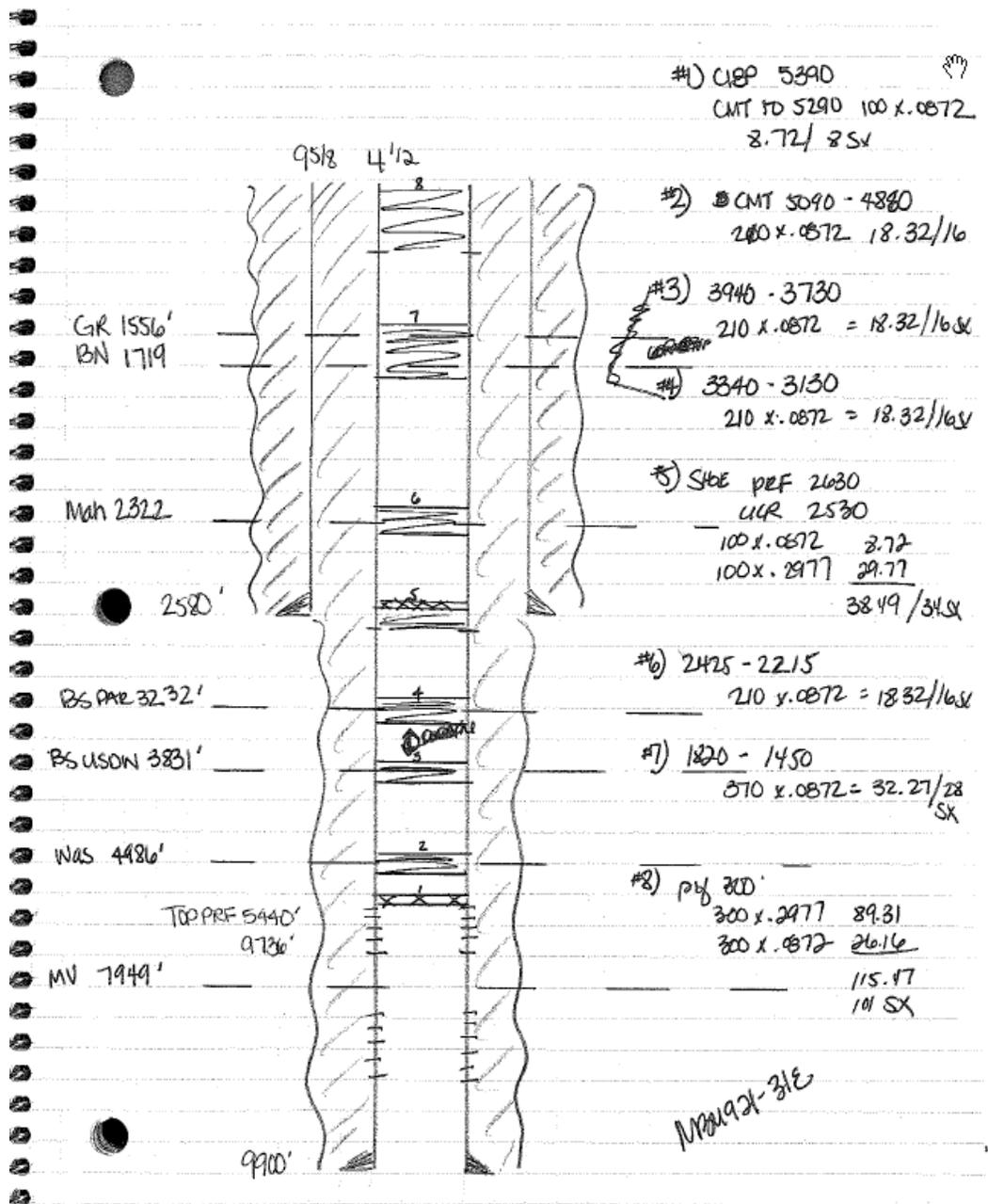
1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RUN GYRO SURVEY.
3. **PLUG #1, ISOLATE WASATCH/MESAVERDE PERFORATIONS (5440' - 9736')**: RIH W/ 4 ½" CIBP. SET @ ~5390'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **8 SX / 1.6 BBL / 8.7 CUFT.** ON TOP OF PLUG. PUH ABOVE TOC (~5290'). REVERSE CIRCULATE W/ TREATED BRINE.
4. **PLUG #2, PROTECT TOP OF WASATCH (4986')**: PUH TO ~5090'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4880' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.
5. **PLUG #3, PROTECT BASE OF USDW (~3831')**: PUH TO ~3940'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~3730' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.
6. **PLUG #4, PROTECT BASE OF PARACHUTE MEMBER (3232')**: PUH TO ~3340'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~3130' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.
7. **PLUG #5, CEMENT SURFACE CASING SHOE (2580')**: POOH W/ TUBING. RIH W/ WIRELINE & PERFORATE @ 2630' W/ 4 SPF. POOH. PU & RIH W/ 4 ½" CICR, SET @ ~2530'. RIH W/ TBG & STING INTO CICR & SQUEEZE PERFS W/ APPROXIMATELY **34 SX / 6.9 BBL / 38.5 CUFT** OR SUFFICIENT VOLUME TO FILL CSG & ANNULUS TO 2375'. STING OUT OF CICR AND SPOT **4 SX / 0.8 BBL / 4.36 CUFT** CMT ON TOP OF CICR. BRK CIRC W/ FRESH WATER. POOH ABOVE TOC (~2490'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
8. **PLUG #6, PROTECT TOP OF MAHOGANY (2322')**: PUH TO ~2425'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~2215' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.
9. **PLUG #7, PROTECT TOP OF BIRD'S NEST (~1719') & TOP OF GREEN RIVER (1556')**: PUH TO ~1820'. BRK CIRC W/ FRESH WATER. DISPLACE **28 SX / 5.8 BBL / 32.3 CUFT** AND BALANCE PLUG W/ TOC @ ~1450' (370' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.

10. **PLUG #8, SURFACE HOLE:** POOH. RIH W/ WIRELINE, PERFORATE @ 300' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP 101 SX / 20.6 BBL / 115.5 CUFT OR SUFFICIENT VOLUME TO FILL ANNULUS AND CASING TO SURFACE.

11. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.

12. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM 6/23/11



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0582
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 921-31E
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047365630000
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER:	720 929-6514 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2230 FNL 0567 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 31 Township: 09.0S Range: 21.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/4/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests approval to abandon the existing Wasatch/Mesaverde formations, and recomplete the subject well in the Green River formation. Thank you.

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

Date: April 04, 2012

By: *David K. Quist*

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/4/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047365630000

Authorization: Board Cause No. 197-1.

Greater Natural Buttes Unit



NBU 921-31E

PLUGBACK WASATCH/MESAVERDE AND COMPLETE GREEN RIVER

DATE:3/23/2012

AFE#:

API#:4304736563

USER ID:CKW374 (Frac Invoices Only)

COMPLETIONS ENGINEER: James Page, Denver, CO
720-929-6747 (Office)
303-501-2731 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: NBU 921-31E
Location: SW NW Sec 31 T9S R21E
LAT: 39.99365 LONG: -109.60223 COORDINATE: NAD27
Uintah County, UT
Date: 3/23/2012

ELEVATIONS: 4916' GL 4933' KB *Frac Registry TVD: 9888*

TOTAL DEPTH: 9888' **PBTD:** 9843'
SURFACE CASING: 9 5/8", 32.2&36# @ 2545'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9888'
 Marker Joint **4897-4918'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

Green River: 1,573'
 Birds Nest: 1,719'
 Top Mahogany: 2,207'
 Base Mahogany: 3,232'
 Top Wasatch: 4,986'
 Top Mesaverde: 7,949'
 *Based on latest geological interpretation

T.O.C. @ Surface' Hydraulic Isolation 2595'
****Based on latest interpretation of CBL**

GENERAL:

- A minimum of **7** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 8/26/2006
- **3** fracturing stages required for coverage.
- Procedure calls for **3** CBP's (**8000** psi) and 2 CIBP's (10,000 psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt
- 20/40 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6000** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- **TIGHT SPACING ON STAGE 1; OVERFLUSH BY 5 BBLs**
- Cement vols. Assume Neat Class G with a yield of 1.145CUFT./SX Onsite personnel must ensure stated slurry vol. is achieved if a different product is used.

Existing Perforations:

<u>PERFORATIONS</u>					
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>
WASATCH		5440	5448	4	32
WASATCH		5519	5521	4	8
WASATCH		6154	6158	4	16
WASATCH		6270	6278	3	24
WASATCH		6472	6474	3	6
WASATCH		6517	6520	3	9
WASATCH		6584	6593	3	27
WASATCH		7218	7222	4	16
WASATCH		7424	7430	4	24
WASATCH		7590	7595	4	20
WASATCH		7734	7740	4	24
MESA VERDE		7975	7978	4	12
MESA VERDE		8092	8094	3	6
MESA VERDE		8190	8194	4	16
MESA VERDE		8243	8246	3	9
MESA VERDE		8346	8348	3	6
MESA VERDE		8432	8436	4	16
MESA VERDE		8508	8512	3	12
MESA VERDE		8570	8573	3	9
MESA VERDE		8666	8670	3	12
MESA VERDE		8705	8710	4	20
MESA VERDE		8777	8780	4	12
MESA VERDE		9189	9192	4	12
MESA VERDE		9263	9266	3	9
MESA VERDE		9312	9316	3	12
MESA VERDE		9397	9400	4	12
MESA VERDE		9539	9542	4	12
MESA VERDE		9619	9622	3	9
MESA VERDE		9693	9697	3	12
MESA VERDE		9733	9736	3	9

Relevant History:

Drilled Aug 2006, Completed Sept 2006, recompleted 7/14/2008

Last slickline 9/14/2010

Tubing at 6083'

H2S History:

NO H2S History

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~6083'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 5,440 (50' below proposed CBP). Otherwise P/U a mill and C/O to 5,440 (50' below proposed CIBP).
4. PLUG #1, ISOLATE WAS/MV PERFORATIONS (5440 – 9736): RIH W/ 4 1/2" CIBP. SET @ ~5390'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 16 SX/ 3.3 BBL/ 18.3 CUFT. ON TOP OF PLUG. PUH ABOVE TOC (~5180'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. PLUG #2, PROTEST OP OF WASATCH (4985'): RIH W/ 4 1/2" CIBP. SET @ ~5095'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 16 SX/ 3.3 BBL/ 18.3 CUFT. ON TOP OF PLUG (210' COVERAGE). PUH ABOVE TOC (~4885'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6000 psi for 30 minutes; if pressure test fails contact Denver engineer and see notes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
Green River	4732	4736	3	12
Green River	4768	4771	4	12
8. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 500 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~4732' and trickle 500gal 15%HCL w/ scale inhibitor in flush .
TIGHT SPACING OVERFLUSH 5BBLs
9. Set 8000 psi CBP at ~4,716'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
Green River	4558	4560	3	6
Green River	4615	4617	3	6
Green River	4653	4655	3	6

Green River 4684 4686 3 6

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~4558' and trickle 500gal 15%HCL w/ scale inhibitor in flush.
11. Set 8000 psi CBP at ~4,432'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
Green River	4354	4356	4	8
Green River	4378	4382	4	16
12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~4354' flush only with recycled water.
13. Set 8000 psi CBP at ~4,304'.
14. ND Frac Valves, NU and Test BOPs.
15. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
16. Mill 3 plugs and clean out to a depth of 4880'.
17. Land tubing at 4800', drop ball and pump open sub. Flow back completion load. RDMO
18. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
19. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
James Page, Denver, CO
720-929-6747 (Office)
303-501-2731 (Cell)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)**

NOTES:

TIGHT SPACING ON STAGE 1; OVERFLUSH BY 5 BBLs

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

Name NBU 921-31E
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	Green River	4732	4736	3	12	4727	to	4740
	Green River	4768	4771	4	12	4765	to	4772
	Green River							
	Green River							
	# of Perfs/stage				24	CBP DEPTH	4,716	
2	Green River	4558	4560	3	6	4553	to	4562
	Green River	4615	4617	3	6	4613	to	4617
	Green River	4653	4655	3	6	4652	to	4657
	Green River	4684	4686	3	6	4683	to	4690
	Green River							
	Green River							
	Green River							
	Green River							
	# of Perfs/stage				24	CBP DEPTH	4,432	
3	Green River	4354	4356	4	8	4353	to	4356
	Green River	4378	4382	4	16	4377	to	4382
	Green River							
	Green River							
	Green River							
	Green River							
	Green River							
	# of Perfs/stage				24	CBP DEPTH	4,304	
Totals								
					72			

Service Company Supplied Chemicals - Job Totals

Friction Reducer	60	gals @	0.5	GPT
Surfactant	120	gals @	1.0	GPT
Clay Stabilizer	120	gals @	1.0	GPT
15% Hcl	1500	gals @	500	gal/stg
Iron Control for acid	8	gals @	5.0	GPT of acid
Surfactant for acid	2	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	3	gals @	2.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	312	gals pumped per schedule above
Biocide	60	gals @ 0.5 GPT

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBL 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBL 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0582
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 921-31E
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047365630000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2230 FNL 0567 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 31 Township: 09.0S Range: 21.0E 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: 4/2/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests approval to abandon the existing Wasatch and Mesaverde formations, and recomplete the subject well in the Green River formation. This change will move the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. This is a federal well with the lease number UTU-0582. Please see the attached procedure. Thank you.

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

Date: April 10, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Luke Urban	PHONE NUMBER 720 929-6501	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 4/2/2013	



Maverick Unit

NBU 921-31E
RE-COMPLETIONS PROCEDURE
FIELD ID: N/A

DATE: 03/19/2013
AFE#:
API#: 4304736563
USER ID: WIU473

COMPLETIONS ENGINEER: Patricia Cuba, Denver, CO
(720) 929-6348 (Office)
(303) 601-7259 (Cell)

REMEMBER SAFETY FIRST!

Existing Perforations (from Open Wells):

Date	Formation	Zone	PERFORATIONS							
			Top	Btm	SPF	No. Holes	Diameter	Phasing	Reason	Status
	WASATCH		5440	5448	4	32	0.36	90	PRODUCTION	OPEN
	WASATCH		5519	5521	4	8	0.36	90	PRODUCTION	OPEN
	WASATCH		6154	6158	4	16	0.36	90	PRODUCTION	OPEN
	WASATCH		6270	6278	3	24	0.36	120	PRODUCTION	OPEN
	WASATCH		6472	6474	3	6	0.36	120	PRODUCTION	OPEN
	WASATCH		6517	6520	3	9	0.36	120	PRODUCTION	OPEN
	WASATCH		6584	6593	3	27	0.36	120	PRODUCTION	OPEN
	WASATCH		7218	7222	4	16	0.36	90	PRODUCTION	OPEN
	WASATCH		7424	7430	4	24	0.36	90	PRODUCTION	OPEN
	WASATCH		7590	7595	4	20	0.36	90	PRODUCTION	OPEN
	WASATCH		7734	7740	4	24	0.36	90	PRODUCTION	OPEN
09/11/2006	MESA VERDE		7975	7978	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		8092	8094	3	6	0.35	120		OPEN
09/11/2006	MESA VERDE		8190	8194	4	16	0.35	90		OPEN
09/11/2006	MESA VERDE		8243	8246	3	9	0.35	120		OPEN
09/11/2006	MESA VERDE		8346	8348	3	6	0.35	120		OPEN
09/11/2006	MESA VERDE		8432	8436	4	16	0.35	90		OPEN
09/11/2006	MESA VERDE		8508	8512	3	12	0.35	120		OPEN
09/11/2006	MESA VERDE		8570	8573	3	9	0.35	120		OPEN
09/11/2006	MESA VERDE		8666	8670	3	12	0.35	120		OPEN
09/11/2006	MESA VERDE		8705	8710	4	20	0.35	90		OPEN
09/11/2006	MESA VERDE		8777	8780	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		9189	9192	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		9263	9266	3	9	0.35	120		OPEN
09/11/2006	MESA VERDE		9312	9316	3	12	0.35	120		OPEN
09/11/2006	MESA VERDE		9397	9400	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		9539	9542	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		9619	9622	3	9	0.35	120		OPEN
09/11/2006	MESA VERDE		9693	9697	3	12	0.35	120		OPEN
09/11/2006	MESA VERDE		9733	9736	3	9	0.35	120		OPEN

Relevant History:**07/30/2006:** Spud date**08/26/2006:** Reached TD**09/11/2006:** Completed in Mesaverde formation (7975-9736') using **574,056** gallons of **slickwater**, **522,300** lbs of **30/50** sand.**07/16/2008:** Recompleted in Wasatch formation (5440-7740') using **574,056** gallons of **slickwater**, **339,174** lbs of **30/50** sand and 25,000 lbs of 20/40 TLC sand.**11/25/2008:** Swabbed well for approximately 4 days. Set CBP @ 6420'**09/14/2010:** Recent slickline report:

Travel to loc rig up ran jdc set down @ 6070' came out with viper plunger ran jdc set down @ 6070 jar spring nothing beat down jar out for couple of hours nothing beat to sheard off nothing jar out line parted on me lots tool rig down travel to the shop.

03/19/2013: Tubing currently landed @~ **6083'** according to Open Wells. No plug has been set yet to isolate Wasatch formation.

H2S History:

Production Date	Gas (avg mcf/day)	Water (avg bb/day)	Oil (avg bb/day)	LGR (bb/Mmcf)	Max H2S Seperator (ppm)
9/30/2006	475.73	0.00	0.00	0.00	
10/31/2006	537.42	0.00	0.00	0.00	
11/30/2006	360.47	0.00	0.00	0.00	
12/31/2006	264.71	0.00	0.00	0.00	
1/31/2007	403.87	0.00	0.03	0.08	
2/28/2007	355.18	245.21	0.00	690.40	
3/31/2007	363.26	20.84	0.10	57.63	
4/30/2007	318.53	161.73	0.80	510.26	
5/31/2007	284.48	173.29	1.55	614.58	
6/30/2007	234.63	133.03	1.57	573.66	
7/31/2007	153.13	106.55	1.52	705.71	
8/31/2007	145.13	119.00	0.26	821.74	
9/30/2007	58.27	34.90	0.53	608.12	
10/31/2007	5.35	1.16	0.00	216.87	
11/30/2007	46.37	43.10	0.43	938.89	
12/31/2007	157.90	109.97	0.06	696.83	
1/31/2008	58.52	0.00	0.00	0.00	
2/29/2008	1.48	0.00	0.00	0.00	
3/31/2008	158.94	103.77	0.00	652.93	
4/30/2008	77.70	79.30	0.00	1020.59	
5/31/2008	75.00	66.39	0.00	885.16	
6/30/2008	118.67	66.40	0.00	559.55	
7/31/2008	59.10	34.10	0.00	576.97	
8/31/2008	70.97	159.23	0.10	2245.00	
9/30/2008	1.53	0.00	0.00	0.00	

Production Date	Gas (avg mcf/day)	Water (avg bb/day)	Oil (avg bb/day)	LGR (bb/Mmcf)	Max H2S Seperator (ppm)
4/30/2011	0.00	0.00	0.00	#NA	
5/31/2011	0.00	0.00	0.00	#NA	
6/30/2011	0.00	0.00	0.00	#NA	
7/31/2011	0.00	0.00	0.00	#NA	
8/31/2011	0.00	0.00	0.00	#NA	
9/30/2011	0.00	0.00	0.00	#NA	
10/31/2011	0.00	0.00	0.00	#NA	
11/30/2011	0.00	0.00	0.00	#NA	
12/31/2011	0.00	0.00	0.00	#NA	
1/31/2012	0.00	0.00	0.00	#NA	
2/29/2012	0.00	0.00	0.00	#NA	0.00
3/31/2012	0.00	0.00	0.00	#NA	
4/30/2012	0.00	0.00	0.00	#NA	
5/31/2012	0.00	0.00	0.00	#NA	0.00
6/30/2012	0.00	0.00	0.00	#NA	
7/31/2012	0.00	0.00	0.00	#NA	
8/31/2012	0.00	0.00	0.00	#NA	
9/30/2012	0.00	0.00	0.00	#NA	0.00
10/31/2012	0.00	0.00	0.00	#NA	
11/30/2012	0.00	0.00	0.00	#NA	
12/31/2012	0.00	0.00	0.00	#NA	
1/31/2013	0.00	0.00	0.00	#NA	
2/28/2013	0.00	0.00	0.00	#NA	

PRE-JOB CONSIDERATIONS:

- **Plug calculations are based on Class G cement with 0% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**
- **1** fracturing stages and **2** acid wash stage required for coverage.
- A minimum of **9** tanks (cleaned lined 500 bbl) of fresh water will be required.

Note:

- **Use biocide from Nabors/Nalco as applicable in frac tanks**
- **Use only fresh water in order to assure crosslinked fluid performance**
- **Water needs to be at least 65-75°F at pump time**
- Procedure calls for **3 CBP's (8,000 psi)** and **2 CIBP's (10,000 psi)**.
- 20/40 mesh Ottawa sand.
- Max Sand Concentration: Green River- Long Point formation: 3 ppg

ON SITE CONSIDERATIONS:

- Maximum surface pressure **6200 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- **Remember to pre-load the casing with scale inhibitor from Nalco.**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement (include scale inhibitor as mentioned above).
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.

PROCEDURE:

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Visually inspect for scale and consider replacing tubing if needed.
3. Mill and C/O to 5420'
4. **PLUG #1- ISOLATE WASATCH/MESAVERDE PERFORATIONS (5440' – 7740')**: RIH W/ 4 ½" CIBP. SET @ ~ 5410' (~30' above top perfs). Pressure test casing to **6200 psi**. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~5360', equivalent to 50' COVERAGE).
5. **PLUG #2 - PROTECT TOP OF WASATCH (4986')**: RIH W/ 4 ½" CIBP. SET @ ~**5020'** (~34' below top of formation). Pressure test casing to **6200 psi**. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~**4970'**, equivalent to 50' COVERAGE).

6. ND BOPs and NU frac valves. Test frac valves and casing to 1000 psi for 15 minutes and to **6200** psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|------------|------|------|-----|------------|
| LONG POINT | 4559 | 4560 | 3 | 3 |
| LONG POINT | 4614 | 4615 | 3 | 3 |
| LONG POINT | 4654 | 4655 | 3 | 3 |
| LONG POINT | 4687 | 4688 | 3 | 3 |
| LONG POINT | 4734 | 4736 | 3 | 6 |
| LONG POINT | 4767 | 4769 | 3 | 6 |
8. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 on attached listing. Displace with 2976 gal of FR water (volume to top perfs).
9. Set 8000 psi CBP at~4529'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|-------------|------|------|-----|------------|
| CARB MARKER | 4481 | 4484 | 3 | 9 |
| CARB MARKER | 4492 | 4496 | 3 | 12 |
10. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Perform acid wash as outlined in Stage 2 on attached listing. Displace with 2925 gal of FR water water (volume to top perfs).
11. Set 8000 psi CBP at~4412'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|-------------|------|------|-----|------------|
| CARB MARKER | 4354 | 4356 | 4 | 8 |
| CARB MARKER | 4378 | 4382 | 4 | 16 |
12. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Perform acid wash as outlined in Stage 3 on attached listing. Displace with 2842 gal of FR water (volume to top perfs).
13. Set 8000 psi CBP at~4304'.
14. ND Frac Valves, NU and Test BOPs.
15. TIH with 3 7/8" bit, pump off sub, SN and tubing.
16. Drill plugs and clean out to PBTD. Shear off bit and land tubing at $\pm 4559'$ unless indicated otherwise by the well's behavior.
17. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
18. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked **OPEN**.

Key Contact information

Completion Engineer

Patricia Cuba: 303/601-7259, 720/929-6348

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

Fracturing Schedules

Name: NEU-924-31E
Slickwater Frac

Casing Size Recomplete?	4.5
Pad?	Y
ACTS?	N
Plug back required?	N
CBL required?	N

Swabbing Days	1
Production Log	0
DFTI	0
GR only	N
Low Scale	Y
Clay Stab.	Y

Enter Number of swabbing days here for recompletes
Enter 1 if running a Production Log
Enter Number of DFTIs
Enter Y if only Gamma Ray log was run
Enter Y if a LOW concentration of Scale Inhibitor will be pumped
Enter N if there will be NO Clay stabilizer

Copy to new book

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
		Top, ft.	Bot., ft.																		
1	LONG POINT	4559	4560	3	3	Varied	Load Casing			Slickwater	2,976	2,976	71	71	2.1%					1	
	LONG POINT	4614	4615	3	3	Varied	Acid			Acid	250	3,226	6	77	0.2%						2
	LONG POINT	4654	4655	3	3	50	Slickwater Pad			Slickwater	7,440	10,666	177	254	5.4%						1
	LONG POINT	4687	4688	3	3	50	Xlinked Spacer	0	0	Xlinked gel	4,464	15,131	106	360	3.2%						8
	LONG POINT	4734	4736	3	6	50	Xlinked gel + 0.5 ppg 20/40 sand	0.5	0.5	Xlinked gel	33,702	48,833	802	1,163	24.3%	10.0%	16,851	16,851	58,979		11
	LONG POINT	4767	4769	3	6	50	Xlinked gel + 1 ppg 20/40 sand	1	1	Xlinked gel	42,128	90,960	1,003	2,166	30.4%	25.0%	42,128	126,383			8
	LONG POINT					50	Xlinked gel + 2 ppg 20/40 sand	2	2	Xlinked gel	33,702	124,662	802	3,302	24.3%	40.0%	67,404	168,510			4
	LONG POINT					50	Xlinked gel + 3 ppg 20/40 sand	3	3	Xlinked gel	14,043	138,705	334	3,373	10.1%	25.0%	42,128				0
						50	Flush to Top Perf (+5 bbls)			Slickwater	2,976	141,881	71								35
Totals		# of Perfs/Stage				24	67.5 <<< Above pump time (min)				Total Fluid	141,681 gals	3,373 bbls	Flush depth 4,559		Total Sand	168,510	Total Scale Inhib. =	4,559		35

Total Stages 1 stages
Xlinked stages 1 stages
Total Slickwater 13,393 gallons
Total Xlinked gel 128,038 gallons
Total Acid 250 gallons
Total 100-mesh sand 0 lbs
Total 20/40 sand 168,510 lbs

Service Company Supplied Chemicals - Job Totals

Friction Reducer	13 gals @	1.0 GPT
Surfactant	141 gals @	1.0 GPT
Clay Stabilizer	71 gals @	0.5 GPT
Biocide	35 gals @	0.25 GPT
Scale Inhibitor	35 gals @	0.25 GPT
Crosslinker	102 gals @	0.8 GPT
ph Control	102 gals @	0.8 GPT
Gelling agent	576 gals @	4.5 GPT
Breaker 1	128 gals @	1.0 PPT
Breaker 2	2 gals @	2.0 lbs in flush
Iron Control for acid	1 gals @	4.0 GPT of acid
Corrosion Inhibitor for acid	1 gals @	4.0 GPT of acid
Surfactant for acid	0 gals @	1.0 GPT of acid

Service Company Supplied Chemicals
Third Party Chemicals

Name NBU 921-31E
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	LONG POINT	4559	4560	3	3	4554	to	4772
	LONG POINT	4614	4615	3	3			
	LONG POINT	4654	4655	3	3			
	LONG POINT	4687	4688	3	3			
	LONG POINT	4734	4736	3	6			
	LONG POINT	4767	4769	3	6			
	LONG POINT							
	# of Perfs/stage				24	CBP DEPTH	0	
	Totals				24			Total

Name NBU 921-31E
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
2	CARB MARKER	4481	4484	3	9	4481	to	4496
	CARB MARKER	4492	4496	3	12			
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	# of Perfs/stage				21	CBP DEPTH	4,412	
3	CARB MARKER	4354	4356	4	8	4353	to	4386
	CARB MARKER	4378	4382	4	16			
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	# of Perfs/stage				24	CBP DEPTH	4,304	
	Totals				45			Total

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLs MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0582
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 921-31E
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047365630000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6510
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2230 FNL 0567 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 31 Township: 09.0S Range: 21.0E 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: 4/17/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests approval to abandon the existing WASATCH and MESAVERDE formations and recomplete the subject well in the Green River formation. This change will move the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. This is a federal well with the lease number UTU-0582. Please see the attached procedure. Thank you.

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

Date: April 18, 2013

By: *Dark Quist*

NAME (PLEASE PRINT) Luke Urban	PHONE NUMBER 720 929-6501	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 4/17/2013	



Maverick Unit

NBU 921-31E
RE-COMPLETIONS PROCEDURE
FIELD ID: N/A

DATE: 03/19/2013
AFE#:
API#: 4304736563
USER ID: WIU473

COMPLETIONS ENGINEER: Patricia Cuba, Denver, CO
(720) 929-6348 (Office)
(303) 601-7259 (Cell)

REMEMBER SAFETY FIRST!

Existing Perforations (from Open Wells):

Date	Formation	Zone	PERFORATIONS							
			Top	Btm	SPF	No. Holes	Diameter	Phasing	Reason	Status
	WASATCH		5440	5448	4	32	0.36	90	PRODUCTION	OPEN
	WASATCH		5519	5521	4	8	0.36	90	PRODUCTION	OPEN
	WASATCH		6154	6158	4	16	0.36	90	PRODUCTION	OPEN
	WASATCH		6270	6278	3	24	0.36	120	PRODUCTION	OPEN
	WASATCH		6472	6474	3	6	0.36	120	PRODUCTION	OPEN
	WASATCH		6517	6520	3	9	0.36	120	PRODUCTION	OPEN
	WASATCH		6584	6593	3	27	0.36	120	PRODUCTION	OPEN
	WASATCH		7218	7222	4	16	0.36	90	PRODUCTION	OPEN
	WASATCH		7424	7430	4	24	0.36	90	PRODUCTION	OPEN
	WASATCH		7590	7595	4	20	0.36	90	PRODUCTION	OPEN
	WASATCH		7734	7740	4	24	0.36	90	PRODUCTION	OPEN
09/11/2006	MESA VERDE		7975	7978	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		8092	8094	3	6	0.35	120		OPEN
09/11/2006	MESA VERDE		8190	8194	4	16	0.35	90		OPEN
09/11/2006	MESA VERDE		8243	8246	3	9	0.35	120		OPEN
09/11/2006	MESA VERDE		8346	8348	3	6	0.35	120		OPEN
09/11/2006	MESA VERDE		8432	8436	4	16	0.35	90		OPEN
09/11/2006	MESA VERDE		8508	8512	3	12	0.35	120		OPEN
09/11/2006	MESA VERDE		8570	8573	3	9	0.35	120		OPEN
09/11/2006	MESA VERDE		8666	8670	3	12	0.35	120		OPEN
09/11/2006	MESA VERDE		8705	8710	4	20	0.35	90		OPEN
09/11/2006	MESA VERDE		8777	8780	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		9189	9192	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		9263	9266	3	9	0.35	120		OPEN
09/11/2006	MESA VERDE		9312	9316	3	12	0.35	120		OPEN
09/11/2006	MESA VERDE		9397	9400	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		9539	9542	4	12	0.35	90		OPEN
09/11/2006	MESA VERDE		9619	9622	3	9	0.35	120		OPEN
09/11/2006	MESA VERDE		9693	9697	3	12	0.35	120		OPEN
09/11/2006	MESA VERDE		9733	9736	3	9	0.35	120		OPEN

Relevant History:

- 07/30/2006:** Spud date
- 08/26/2006:** Reached TD
- 09/11/2006:** Completed in Mesaverde formation (7975-9736') using **574,056** gallons of **slickwater**, **522,300** lbs of **30/50** sand.
- 07/16/2008:** Recompleted in Wasatch formation (5440-7740') using **574,056** gallons of **slickwater**, **339,174** lbs of **30/50** sand and 25,000 lbs of 20/40 TLC sand.
- 11/25/2008:** Swabbed well for approximately 4 days. Set CBP @ 6420'
- 09/14/2010:** Recent slickline report:
Travel to loc rig up ran jdc set down @ 6070' came out with viper plunger ran jdc set down @ 6070 jar spring nothing beat down jar out for couple of hours nothing beat to sheard off nothing jar out line parted on me lots tool rig down travel to the shop.
- 03/19/2013:** Tubing currently landed @~ **6083'** according to Open Wells. No plug has been set yet to isolate Wasatch formation.

H2S History:

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S Seperator (ppm)
9/30/2006	475.73	0.00	0.00	0.00	
10/31/2006	537.42	0.00	0.00	0.00	
11/30/2006	360.47	0.00	0.00	0.00	
12/31/2006	264.71	0.00	0.00	0.00	
1/31/2007	403.87	0.00	0.03	0.08	
2/28/2007	355.18	245.21	0.00	690.40	
3/31/2007	363.26	20.84	0.10	57.63	
4/30/2007	318.53	161.73	0.80	510.26	
5/31/2007	284.48	173.29	1.55	614.58	
6/30/2007	234.63	133.03	1.57	573.66	
7/31/2007	153.13	106.55	1.52	705.71	
8/31/2007	145.13	119.00	0.26	821.74	
9/30/2007	58.27	34.90	0.53	608.12	
10/31/2007	5.35	1.16	0.00	216.87	
11/30/2007	46.37	43.10	0.43	938.89	
12/31/2007	157.90	109.97	0.06	696.83	
1/31/2008	58.52	0.00	0.00	0.00	
2/29/2008	1.48	0.00	0.00	0.00	
3/31/2008	158.94	103.77	0.00	652.93	
4/30/2008	77.70	79.30	0.00	1020.59	
5/31/2008	75.00	66.39	0.00	885.16	
6/30/2008	118.67	66.40	0.00	559.55	
7/31/2008	59.10	34.10	0.00	576.97	
8/31/2008	70.97	159.23	0.10	2245.00	
9/30/2008	1.53	0.00	0.00	0.00	

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S Seperator (ppm)
4/30/2011	0.00	0.00	0.00	#NA	
5/31/2011	0.00	0.00	0.00	#NA	
6/30/2011	0.00	0.00	0.00	#NA	
7/31/2011	0.00	0.00	0.00	#NA	
8/31/2011	0.00	0.00	0.00	#NA	
9/30/2011	0.00	0.00	0.00	#NA	
10/31/2011	0.00	0.00	0.00	#NA	
11/30/2011	0.00	0.00	0.00	#NA	
12/31/2011	0.00	0.00	0.00	#NA	
1/31/2012	0.00	0.00	0.00	#NA	
2/29/2012	0.00	0.00	0.00	#NA	0.00
3/31/2012	0.00	0.00	0.00	#NA	
4/30/2012	0.00	0.00	0.00	#NA	
5/31/2012	0.00	0.00	0.00	#NA	0.00
6/30/2012	0.00	0.00	0.00	#NA	
7/31/2012	0.00	0.00	0.00	#NA	
8/31/2012	0.00	0.00	0.00	#NA	
9/30/2012	0.00	0.00	0.00	#NA	0.00
10/31/2012	0.00	0.00	0.00	#NA	
11/30/2012	0.00	0.00	0.00	#NA	
12/31/2012	0.00	0.00	0.00	#NA	
1/31/2013	0.00	0.00	0.00	#NA	
2/28/2013	0.00	0.00	0.00	#NA	

PRE-JOB CONSIDERATIONS:

- **Plug calculations are based on Class G cement with 0% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**
- 1 fracturing stages and 2 acid wash stage required for coverage.
- A minimum of 9 tanks (cleaned lined 500 bbl) of fresh water will be required.

Note:

- **Use biocide from Nabors/Nalco as applicable in frac tanks**
- **Use only fresh water in order to assure crosslinked fluid performance**
- **Water needs to be at least 65-75°F at pump time**
- Procedure calls for **3 CBP's (8,000 psi)** and **2 CIBP's (10,000 psi)**.
- 20/40 mesh Ottawa sand.
- Max Sand Concentration: Green River- Long Point formation: 3 ppg

ON SITE CONSIDERATIONS:

- Maximum surface pressure **6200 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- **Remember to pre-load the casing with scale inhibitor from Nalco.**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement (include scale inhibitor as mentioned above).
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.

PROCEDURE:

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Visually inspect for scale and consider replacing tubing if needed.
3. Mill and C/O to 5420'
4. **PLUG #1- ISOLATE WASATCH/MESAVERDE PERFORATIONS (5440' – 7740')**: RIH W/ 4 ½" CIBP. SET @ ~ 5410' (~30' above top perfs). Pressure test casing to **6200 psi**. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~5360', equivalent to 50' COVERAGE).
5. **PLUG #2 - PROTECT TOP OF WASATCH (4986')**: RIH W/ 4 ½" CIBP. SET @ ~**5020'** (~34' below top of formation). Pressure test casing to **6200 psi**. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~**4970'**, equivalent to 50' COVERAGE).

6. ND BOPs and NU frac valves. Test frac valves and casing to 1000 psi for 15 minutes and to **6200** psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|------------|------|------|-----|------------|
| LONG POINT | 4559 | 4560 | 3 | 3 |
| LONG POINT | 4614 | 4615 | 3 | 3 |
| LONG POINT | 4654 | 4655 | 3 | 3 |
| LONG POINT | 4687 | 4688 | 3 | 3 |
| LONG POINT | 4734 | 4736 | 3 | 6 |
| LONG POINT | 4767 | 4769 | 3 | 6 |
8. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 on attached listing. Displace with 2976 gal of FR water (volume to top perfs).
9. Set 8000 psi CBP at~4529'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|-------------|------|------|-----|------------|
| CARB MARKER | 4481 | 4484 | 3 | 9 |
| CARB MARKER | 4492 | 4496 | 3 | 12 |
10. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Perform acid wash as outlined in Stage 2 on attached listing. Displace with 2925 gal of FR water water (volume to top perfs).
11. Set 8000 psi CBP at~4412'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|-------------|------|------|-----|------------|
| CARB MARKER | 4354 | 4356 | 4 | 8 |
| CARB MARKER | 4378 | 4382 | 4 | 16 |
12. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Perform acid wash as outlined in Stage 3 on attached listing. Displace with 2842 gal of FR water (volume to top perfs).
13. Set 8000 psi CBP at~4304'.
14. ND Frac Valves, NU and Test BOPs.
15. TIH with 3 7/8" bit, pump off sub, SN and tubing.
16. Drill plugs and clean out to PBTD. Shear off bit and land tubing at **±4559'** unless indicated otherwise by the well's behavior.
17. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
18. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

GREEN RIVER OIL WELL OPERATING PROCEDURE:

The Green River oil wells will be produced and treated in the following manner. Oil, water and gas will flow to surface treating facilities where it will be separated. The oil and water will then flow to storage tanks. Gas will flow in to the gathering system; which has a nominal operating pressure of ~120 psig. If gas line pressure increases above the 120 psig range the gas will flow to a compressor and be compressed to line pressure. If the compressor is down due to mechanical problems or line pressure is out of range for the compressor, gas will flow to a flare and be burned on site. If no compressor is installed then gas will be flared when pressure is greater than 120 psig.

Key Contact information

Completion Engineer

Patricia Cuba: 303/601-7259, 720/929-6348

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

Fracturing Schedules

Name NEU 924-31E
Slickwater Frac

Casing Size Recomplete?	4.5
Pad?	Y
ACTS?	N
Plug back required?	N
CBL required?	N

Swabbing Days	1
Production Log	0
DFTI	0
GR only	N
Low Scale	Y
Clay Stab.	Y

Enter Number of swabbing days here for recompletes
Enter 1 if running a Production Log
Enter Number of DFTIs
Enter Y if only Gamma Ray log was run
Enter Y if a LOW concentration of Scale Inhibitor will be pumped
Enter N if there will be NO Clay stabilizer

Copy to new book

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal	
		Top, ft	Bot., ft																		
1	LONG POINT	4559	4560	3	3	3	Load Casing			Slickwater	2,976	2,976	71	71	2.1%					1	
	LONG POINT	4614	4615	3	3	3	Acid			Acid	250	3,226	6	77	0.2%					2	
	LONG POINT	4654	4655	3	3	3	50 Slickwater Pad			Slickwater	7,440	10,666	177	254	5.4%					1	
	LONG POINT	4687	4688	3	3	3	50 Xlinked Spacer	0	0	Xlinked gel	4,464	15,131	106	360	3.2%					1	
	LONG POINT	4734	4736	3	3	6	50 Xlinked gel + 0.5 ppg 20/40 sand	0.5	0.5	Xlinked gel	33,702	48,833	802	1,163	24.3%	10.0%	16,851	16,851	58,979	8	
	LONG POINT	4767	4769	3	3	6	50 Xlinked gel + 1 ppg 20/40 sand	1	1	Xlinked gel	42,128	90,960	1,003	2,166	30.4%	25.0%	42,128	58,979	126,383	11	
	LONG POINT					6	50 Xlinked gel + 2 ppg 20/40 sand	2	2	Xlinked gel	33,702	124,662	802	2,988	24.3%	40.0%	67,404	126,383		8	
	LONG POINT					6	50 Xlinked gel + 3 ppg 20/40 sand	3	3	Xlinked gel	14,043	138,705	334	3,302	10.1%	25.0%	42,128	168,510		4	
							50 Flush to Top Perf (+5 bbls)			Slickwater	2,976	141,681	71	3,373						0	
Totals		# of Perfs/Stage				24					Total Fluid	141,681 gals		Flush depth	4,559		Total Sand	168,510		Total Scale Inhib. =	35
						24						3,373 bbls		7.5 lens							

Total Stages	1	stages
Xlinked stages	1	stages
Total Slickwater	13,393	gallons
Total Xlinked gel	128,038	gallons
Total Acid	250	gallons
Total 100-mesh sand	0	lbs
Total 20/40 sand	168,510	lbs

Service Company Supplied Chemicals - Job Totals

Friction Reducer	13	gals @	1.0	GPT
Surfactant	141	gals @	1.0	GPT
Clay Stabilizer	71	gals @	0.5	GPT
Biocide	35	gals @	0.25	GPT
Scale Inhibitor	35	gals @	0.25	GPT
Crosslinker	102	gals @	0.8	GPT
ph Control	102	gals @	0.8	GPT
Gelling agent	576	gals @	4.5	GPT
Breaker 1	128	gals @	1.0	PPT
Breaker 2	2	gals @	2.0	lbs in flush
Iron Control for acid	1	gals @	4.0	GPT of acid
Corrosion Inhibitor for acid	1	gals @	4.0	GPT of acid
Surfactant for acid	0	gals @	1.0	GPT of acid

Service Company Supplied Chemicals
Third Party Chemicals

Enter Number of swabbing days here for recompletes
 Enter 1 if running a Production Log
 Enter Number of DFTs
 Enter Y if only Gamma Ray log was run
 Enter Y if a LOW concentration of Scale Inhibitor will be pumped
 Enter N if there will be NO Clay stabilizer

Swabbing Days: 1
 Production Log: 0
 DFT: 0
 GR only: N
 Low Scale: Y
 Clay Stab.: Y

Casing Size: 4.5
 Recomplete? Y
 Pad? N
 ACT'S? N
 Plug back required? N
 CBL required? N

Fracturing Schedules
 Name: NBU 921-31E
 Sickwater Frac
 Copy to new book

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
		Top, ft.	Bot. ft.																		
2	CARB MARKER	4481	4484	3	9	Varied	Lead & Break			Slickwater + 250 gal Acid	2,925	2,925	70	70	56.2%					1	
	CARB MARKER	4492	4496	3	12	20	Acid Wash			15% HCl Acid	2100	5,025	50	120	41.8%					0	
	CARB MARKER					10	Flush to Top Perf			Slickwater	2,925	7,950	70	189						1	
	CARB MARKER																				
	CARB MARKER																				
		# of Perfs/stage			21	0.0	<< Above pump time (min)											CBP depth 4,412			
3	CARB MARKER	4354	4356	4	8	Varied	Lead & Break			Slickwater + 250 gal Acid	2,842	2,842	68	68	40.4%					1	
	CARB MARKER	4378	4382	4	16	20	Acid Wash			15% HCl Acid	4200	7,042	100	168	59.6%					0	
	CARB MARKER					10	Flush to Top Perf			Slickwater	2,842	9,885	68	235						0	
	CARB MARKER																				
	CARB MARKER																				
		# of Perfs/stage			24	0.0	<< Above pump time (min)											CBP depth 4,304			
Totals					45	0.0					Total Fluid	17,835 gals	425 bbls				Total Sand	0	Total Scale Inhib. =	1	

Total Stages: 2
 Xlinked stages: 0
 Total Slickwater: 11,285 gallons
 Total Xlinked gel: 0 gallons
 Total Acid: 6,550 gallons
 Total 100-mesh sand: 0 lbs
 Total 20/40 sand: 0 lbs

Service Company Supplied Chemicals - Job Totals

Chemical	Units	Job Totals
Friction Reducer	11 gals @	1.0 GPT
Surfactant	11 gals @	1.0 GPT
Clay Stabilizer	6 gals @	0.5 GPT
Bioocide	3 gals @	0.30 GPT
Scale Inhibitor	3 gals @	0.30 GPT
Corrosion Inhibitor	0 gals @	0.8 GPT
pH Control	0 gals @	0.8 GPT
Gelling agent	0 gals @	4.5 GPT
Breaker 1	0 gals @	1.0 PPT
Breaker 2	0 gals @	2.0 lbs in flush
Iron Control for acid	26 gals @	4.0 GPT or acid
Corrosion Inhibitor for acid	26 gals @	4.0 GPT or acid
Surfactant for acid	7 gals @	1.0 GPT or acid

Service Company Supplied Chemicals
 Third Party Chemicals

Name NBU 921-31E
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	LONG POINT	4559	4560	3	3	4554	to	4772
	LONG POINT	4614	4615	3	3			
	LONG POINT	4654	4655	3	3			
	LONG POINT	4687	4688	3	3			
	LONG POINT	4734	4736	3	6			
	LONG POINT	4767	4769	3	6			
	LONG POINT							
	# of Perfs/stage				24	CBP DEPTH	0	
	Totals				24			Total

Name NBU 921-31E
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
2	CARB MARKER	4481	4484	3	9	4481	to	4496
	CARB MARKER	4492	4496	3	12			
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	# of Perfs/stage				21	CBP DEPTH	4,412	
3	CARB MARKER	4354	4356	4	8	4353	to	4386
	CARB MARKER	4378	4382	4	16			
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	# of Perfs/stage				24	CBP DEPTH	4,304	
	Totals				45			Total

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLs MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0582
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 921-31E
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047365630000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2230 FNL 0567 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 31 Township: 09.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/4/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator has abandoned the existing Wasatch and Mesaverde formations and recompleted the subject well in the Green River formation. This change has moved the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. The subject well returned to production on 08/04/2013. The details of the recompletion and initial production rates will be included with the well completion report.</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 12, 2013</p>
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A		DATE 8/8/2013

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FORM APPROVED
 OMB NO. 1004-0137
 Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
 UTU 0582

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
 UTU88574X

2. Name of Operator
 KERR MCGEE OIL & GAS ONSHORE, L.P.

8. Lease Name and Well No.
 NBU 921-31E

3. Address PO BOX 173779
 DENVER, CO 80217

3a. Phone No. (include area code)
 720-929-6000

9. API Well No.
 4304736563

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface SWNW 2230 FNL 567 FWL S31, T9S, R21E
 At top prod. interval reported below
 At total depth

10. Field and Pool or Exploratory
 NATURAL BUTTES

11. Sec., T., R., M., on Block and Survey or Area
 SEC 31, T9S, 21E SLB

12. County or Parish
 UINTAH

13. State
 UT

14. Date Spudded
 07/30/2006

15. Date T.D. Reached
 08/26/2006

16. Date Completed 08/04/2013
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
 4932 RKB

18. Total Depth: MD 9900
 TVD

19. Plug Back T.D.: MD 9787
 TVD

20. Depth Bridge Plug Set: MD 5410 & 5020
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 CBL/CCL/GR

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 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			
11.0	9.62 H40	32.3 36		2580		670			
7.875	4.5	11.6		9900		1738			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	4845							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) LONG POINT	4539	4769	4539-4769	0.36	36	OPEN
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
4539-4769	PUMP 791 BBLs SLICK H2O, 2583 BBLs GEL, 6 BBLs ACID (3380 BBLs) & 168,520 LBS 20/40 OTTAWA SAND
	1 STAGE

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/4/2013	8/20/13	24	→	86	481	28			PUMPING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64 /64	170	167	→	86	481	28		PRODUCING	

28a. Production - Interval B

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

*(See instructions and spaces for additional data on page 2)

CONFIDENTIAL

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 (Solid, 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
				BIRD'S NEST	1719
				MAHOGANY	2207
				DOUGLAS CREEK	4001
				CARB MARKER	4350
				LONG POINT	4517
				UTELAND BUTTE	4847
				WASATCH	4986

32. Additional remarks (include plugging procedure):

Attached is the recompletion history and perforation report. The well was originally completed as a gas well in the Mesaverde formation from 7975-9736. It was recompleted in 2008 in the Wasatch from 5440-7740 and commingled with the original Mesaverde. In 2013 the well was recompleted as an oil well in the Green River Long Point formation. An isolation plug isolating the Wasatch/Mesaverde formations was set at 5410 with dump bail 7 sks cement and another CIBP was set at 5020 with dump bail 7 sxs cement.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

34. 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) TEENA PAULO Title STAFF REGULATORY SPECIALIST
 Signature *Teena Paulo* Date 9/4/2013

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

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-31E		Spud Date: 8/18/2006	
Project: UTAH-UINTAH		Site: NBU 921-31E	Rig Name No: SWABBCO 10/10
Event: RECOMPL/RESEREVEADD		Start Date: 5/23/2013	End Date: 8/4/2013
Active Datum: RKB @4,931.99usft (above Mean Sea Level)		UWI: NBU 921-31E	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/23/2013	7:00 -							REMOVE PRODUCTION FACILITIES TO PREPARE LOCATION FOR PAD DRILLING
6/4/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY = JSA.
	7:15 - 15:30	8.25	SUBSPR	30		P		SICP= 1100#. SITP= 1100#. ROAD RIG TO LOCATION. MIRU. LET WELL FLOW FOR SEVERAL HRS. VERY STRONG WATER FLOW. PUMP 60BBLs TMAC DOWN TBNG. NO LUCK. COULD NOT CNTRL CSNG. NDWH. NUBOP. UN-LAND TBG HOT. GET ROUTED TO NEW WELL. LAND WELL. NDBOP. NUWH. RDMOL. ROAD TO CIGE 22. SWI.
7/1/2013	15:00 - 17:00	2.00	SUBSPR	30	A	P		MIRU F/ NBU 922-31BT, LEFT WELL FLOWING W/ FB CREW SDFN.
7/2/2013	7:00 - 7:30	0.50	SUBSPR	48				HSM, LAYING DWN TBG ON TRAILOR.
	7:30 - 10:30	3.00	SUBSPR	31	I	P		0 PSI ON WELL, ND WH NU BOPS, UNLAND TBG L/D HANGER. L/D 192 JTS 23/8 L-80 & X/N NIPPLE.
	10:30 - 17:30	7.00	SUBSPR	34	I	P		RU CASD HOLE, RUN 41/2 GR TO 5420, SET 41/2 CIBP @ 5410', TEST CSG TO 2,000 PSI OK, DUMP BAILED 7 SKS CMT ON PLUG 3 RUNS. SET 2ND CIBP @ 5020' DUMP BAIL 7 SKS CMT 3 RUNS. RD WL.SWI SDFN
7/3/2013	7:00 - 7:30	0.50	SUBSPR	48		P		HSM, WORKING WITH TEST TRUCK.
	7:30 - 9:00	1.50	SUBSPR	52	C	P		SICP 150 PSI, BLEW DWN WELL, ND BOPS NU FV, RU CAMERON TEST 41/2 CSG TO 6200 PSI AS OF PROCEDURE LOST 32 PSI GOOD TEST, RD CAMERON RDMOL.
7/4/2013	13:00 - 16:00	3.00	SUBSPR	37		P		RU WL RIH WITH 3 3/8" PERF GUN 23 GM 0.36" HOLE SIZE SHOT 4559-4560 3 SPF. LONG POINT FORMATION POOH PICK UP THREE MEMORY GUAGES SET @ 4550, RU NABORS PRESSURE TEST TO 4000 PSI GOOD OPENED WELL 2:51 PM BROKE DOWN PERFS @ 2335 PUMPED 1000 GAL 24 BBLs TMAC @ 6.3 BPM 2620 PSI, ISIP 1395, 5 MIN 1050 SWI FOR 4 DAY RECORDING
7/8/2013	7:00 - 8:00	1.00	SUBSPR	37		P		PULLED GUAGES STOPPING EVERY 500' FOR 5 MIN FOR PRESSURES PERFED REMAINDER OF LONGPOINT STG AS DESIGNED POOH SWFW
7/30/2013	7:00 -							REBUILD PROD FACILITIES TO RETURN WELL TO PRODUCTION
7/31/2013	7:00 - 9:00	2.00	SUBSPR	37		P		RU WL PERFED AS DESIGNED POOH SWFN
8/2/2013	14:00 - 16:30	2.50	DRLOUT	30		P		MIRU AFTER FRAC. WELL TURNED OVER TO FLOWBACK CREW. LET WELL FLOW THRU WEEKEND. SDFN.
	6:45 - 7:00	0.25		48		P		HSM, PROPER PPE, PROTECHNICS ABOUT TRACERS, STAY AWAY FROM HIGH PRESSURE LINES

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 921-31E				Spud Date: 8/18/2006				
Project: UTAH-UINTAH			Site: NBU 921-31E			Rig Name No: SWABBCO 10/10		
Event: RECOMPL/RESEREVEADD			Start Date: 5/23/2013		End Date: 8/4/2013			
Active Datum: RKB @4,931.99usft (above Mean Sea Level)				UWI: NBU 921-31E				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 9:35	2.58	FRAC	36	F	P		REFER TO STIMULATION PJR FOR FLUID, SAND AND CHEMICAL VOLUMES, ALL STAGES WERE PERFORATED ACCORDING TO PERF RECORD IN OPEN WELLS, ALL STAGES WERE STIMULATED TO VENDOR POST JOB REPORT. FRAC STG #1] WHP=204#, BRK DN PERFS=1630#, @=5.0 BPM, INTIAL ISIP=1187#, FG=.68, FINAL ISIP=1799#, FG=.81, THIS WELL WAS PUMPED WITH 3 DIFFERENT TRACERS TOTAL BBLS=3380 TOTAL SAND=168,520
	9:35 - 9:35	0.00	FRAC	50				WELL TURNED TO SEPERATOR @ 1330 HR ON 8/4/2013, 843 MCFD, 250 BBL OIL/DAY, 1440 BWPD, FCP 220#, NO TUBING, W/O CK. RDMOL. WELL FLOWING STRONG.
8/5/2013	7:00 - 8:00	1.00	DRLOUT	30		P		FCP = 200#. MIRU HOT OILER. FLUSH CSNG W/ 70BBLS HOT TMAC - SOLVENT SOLUTION. MIRU WIRELINE. RIH W/ HAL 8K CBP. SET CBP @4330'. POOH W/ E-LINE. RDMO E-LINE.
8/13/2013	7:00 - 11:00	4.00	DRLOUT	34		P		ROAD RIG TO LOCATION FROM NBU 920-13H. MIRU. NDFV. NUBOP. P/U & RIH W/ 3-7/8" BIT + PUMP OPEN BIT SUB + XN + 137JTS NEW 2-3/8" J-55 TBNG. T/U ON CBP @4330'. L/D 1JT TBNG. R/U POWER SWIVEL. PREP FOR D/O IN THE AM. SWIFN. SAFETY = JSA.
	11:00 - 17:30	6.50	DRLOUT	30		P		SICP= 0#. SITP= 0#. BREAK CIRC W/ RIG PUMP. D/O CBP @4330' IN 7MIN. WELL WENT ON VAC. WAITING ON FOAM / AIR UNIT BECAUSE WELL WOULD NOT CIRCULATE.
8/14/2013	7:00 - 7:15	0.25	DRLOUT	48		P		MIRU FOAM / AIR UNIT. BREAK CIRC IN 10 MIN. D/O REMAINDER OF CBP & C/O TO PBTD @4970' W/ 157JTS 2-3/8" J-55 TBNG. L/D 2JTS TBNG. RDMO FOAM UNIT. R/D POWER SWIVEL.
	7:15 - 9:00	1.75	DRLOUT	30		P		MIRU SLK LINE. P/U & RIH W/ 1.70" TRACER LOGGING TOOL. PERFORM TRACER LOG FROM 4000' TO 4860'. POOH W/ SLK LINE. L/D TOOLS. RDMO SLK LINE.
	9:00 - 11:00	2.00	DRLOUT	46		X		
	11:00 - 14:30	3.50	DRLOUT	30		P		
	14:30 - 16:00	1.50	DRLOUT	35		P		

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 921-31E				Spud Date: 8/18/2006				
Project: UTAH-UINTAH			Site: NBU 921-31E			Rig Name No: SWABBCO 10/10		
Event: RECOMPL/RESEREVEADD			Start Date: 5/23/2013		End Date: 8/4/2013			
Active Datum: RKB @4,931.99usft (above Mean Sea Level)				UWI: NBU 921-31E				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	16:00 - 19:00	3.00	DRLOUT	30		P		R/U TBNG EQUIP. L/D 2JTS TBNG. POOH W/ 153JTS 2-3/8" J-55 TBNG + POBS & BIT. L/D BIT & SUB. RIH W/ PRODUCTION TBNG AS FOLLOWS: KB= 17.00' HANGER= .83' 133JTS NEW 2-3/8" J-55 TBNG = 4186.52' 4-1/2" X 2-3/8" TAC = 3.09' 19JTS NEW 2-3/8" J-55 TBNG = 600.18' 2-3/8" PSN = 1.10' 1JT NEW 2-3/8" J-55 TBNG = 31.62' 2-3/8" J-55 PERF SUB = 4.03' PINNED NOTCHED COLLAR = .60' EOT @4844.97' PSN @4807.62' TAC @4204.35' LAND WELL ON HANGER. NDBOP. REMOVE HANGER. SET TBNG ANCHOR W/ 10K TENSION. LAND WELL ON HANGER. NUWH. SWFN. SAFETY = JSA. SICP = 755#. SITP= 0#. OPEN CSNG TO SALES. X/O TO TBNG EQUIP. P/U INSERT PUMP. PRIME / STROKE TEST GOOD. RIH W/ INSERT PUMP & ROD STRING. SPACE OUT PUMP. SEAT & STROKE TEST PUMP GOOD @ 1000#. R/U HORSE HEAD. HANG OFF WELL. RDMOL. BRING WELL ON LINE. WELL LANDED AS FOLLOWS: 1-1/4" X 26' SPRAY METAL POLISHED ROD 1-1/4" X 1.00' CUSTOM POLISHED ROD SPACER. 2' X 7/8" GRADE D SLK PONY 6' X 7/8" GRADE D SLK PONY 70) - 7/8" GRADE D SLK SUCKER RODS W/ SLIM HOLE "T" COUPLINGS =1750' 110) - 3/4" GRADE D SLK SUCKER RODS W/ "T" COUPLINGS =2750" 10) 1-1/4" X GRADE D WEIGHT BARS. = 250' 2.50' X 7/8" GRADE D STABALIZER BAR W/ 3/4" PINS. RH RELEASE BACKOFF TOOL =.60' 2 X 1-1/2" X 20' RWAC INSERT PUMP. SLIM HOLE BARREL. STEEL W/ CHROME ID. 3 CUP THD. PUMP# 3666
8/15/2013	7:00 - 7:15	0.25	DRLOUT	48		P		
	7:15 - 14:00	6.75	DRLOUT	39		P		

US ROCKIES REGION

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 921-31E	Wellbore No.	OH
Well Name	NBU 921-31E	Wellbore Name	NBU 921-31E
Report No.	1	Report Date	7/8/2013
Project	UTAH-UJINTAH	Site	NBU 921-31E
Rig Name/No.		Event	RECOMPL/RESERVEADD
Start Date	5/23/2013	End Date	8/4/2013
Spud Date	8/18/2006	Active Datum	RKB @4,931.99usft (above Mean Sea Level)
UWI	NBU 921-31E		

1.3 General

Contractor	CUTTERS WIRELINE	Job Method	PERFORATE	Supervisor	JEFF SAMUELS
Perforated Assembly	PRODUCTION CASING	Conveyed Method			

1.4 Initial Conditions

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

1.5 Summary

Gross Interval	4,539.0 (usft)-4,769.0 (usft)	Start Date/Time	6/28/2012 12:00AM
No. of Intervals	10	End Date/Time	7/30/2013 12:00AM
Total Shots	36	Net Perforation Interval	12.00 (usft)
Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Mistrun
7/30/2013 12:00AM	GREEN RIVER/			4,539.0	4,540.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N

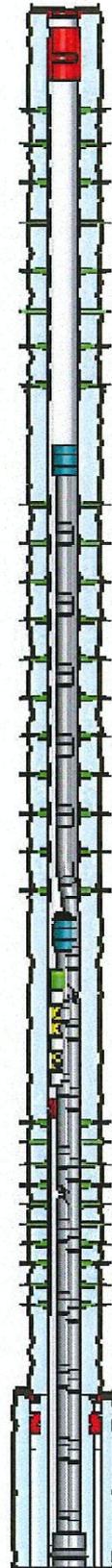
US ROCKIES REGION

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr. Type /Stage No	Carr. Size (in)	Phasing (°)	Charge Desc./Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
6/28/2012 12:00AM	GREEN RIVER/			4,559.0	4,560.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
7/30/2013 12:00AM	GREEN RIVER/			4,596.0	4,597.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
7/4/2012 12:00AM	GREEN RIVER/			4,614.0	4,615.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
7/30/2013 12:00AM	GREEN RIVER/			4,635.0	4,636.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
7/4/2013 12:00AM	GREEN RIVER/			4,654.0	4,655.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
7/30/2013 12:00AM	GREEN RIVER/			4,669.0	4,670.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
7/4/2013 12:00AM	GREEN RIVER/			4,687.0	4,688.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
7/4/2013 12:00AM	GREEN RIVER/			4,734.0	4,736.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
7/4/2013 12:00AM	GREEN RIVER/			4,767.0	4,769.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



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

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
 Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6236

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736563	NBU 921-31E		SWNW	31	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
	2900	19209				8/4/2013	
Comments: <i>GRRV</i> The operator formally requests to change the subject well from the Natural Buttes Unit to the Maverick Unit.							

Well 2

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

Well 3

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

ACTION CODES:

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

RECEIVED
AUG 12 2013

Teena Paulo

Name (Please Print)

Signature

Staff Regulatory Specialist

Title

8/9/2013

Date