

NOTICE OF STAKING  
(Not to be used in place of  
Application to Drill Form 9-331-C)

BMDCA  
8/2/91

5. Lease Number  
U-0575

1. Oil Well  Gas Well  Other

6. If Indian, Allottee or Tribe Name

2. Name of Operator  
ENRON OIL & GAS COMPANY

7. Unit Agreement Name  
Natural Buttes Unit

3. Address of Operator or Agent  
P.O. Box 1815, Vernal, Utah 84078

8. Farm or Lease Name  
Natural Buttes Unit

4. Surface Location of Well  
(Governmental 1/4 or 1/4 1/4)  
930' FNL & 667' FEL NE/NE  
Attach: Topographical or other acceptable map  
showing location, access road, and lease boundaries.

9. Well No.  
309-20E

10. Field or Wildcat Name  
NBU/Wasatch

11. Sec., T., R., M., or  
Blk and Survey or Area  
SEC. 20, T9S, R21E

14. Formation Objective(s)  
Wasatch

15. Estimated Well Depth  
6500'

12. County or Parish  
Uintah

13. State  
Utah

16. To Be Completed by Operator Prior to Onsite  
a. Location must staked - Completed  
b. Access Road Flagged - Completed  
c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills  
(To be provided at onsite)

17. To Be Considered By Operators Prior to Onsite  
a. H<sub>2</sub>S Potential - NA  
b. Private Surface Ownership - NA  
c. Cultural Resources (Archaeology) 6/27/91  
d. Federal Right of Way

RECEIVED  
SEP 11 1991

18. Additional Information

DIVISION OF  
OIL GAS & MINING

19. Signed Linda L. Wall Title Sr. Admin. Clerk Date 9/9/91

**ENRON**  
**Oil & Gas Company**

1801 California Street, Suite 3400, Denver, Colorado 80202 (303) 293-2525

November 1, 1991

Utah State Office  
Bureau of Land Management  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

Attention: Mr. Robert A. Henricks  
Chief, Branch of Fluid Minerals

**RECEIVED**

NOV 04 1991

**DIVISION OF  
OIL GAS & MINING**

RE: Designations of Agent  
NBU 308-20E  
NW/4SW/4 of Sec. 20-9S-22E  
NBU 309-20E  
NE/4NE/4 of Sec. 20-9S-21E  
NBU 319-17E  
NW/4NW/4 of Sec. 17-10S-21E  
NBU 320-6E  
NW/4SW/4 of Sec. 6-10S-21E  
Uintah County, Utah  
Natural Buttes Prospect  
1540-AA29, 1540-AA41, 0050612-000,  
0050615-000, 0050621-000, 0050623-000,

Gentlemen:

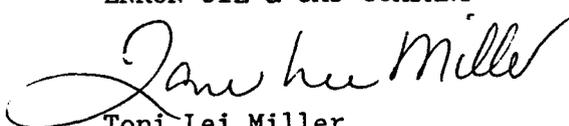
Enclosed, for your approval, are three (3) copies of four (4) separate Designations of Agent pertaining to Enron Oil & Gas Company's proposed NBU 308-20E, NBU 309-20E, NBU 319-17E and NBU 320-6E wells. All copies have been originally executed on behalf of Coastal Oil & Gas Corporation.

When approved, please forward the approved Designations of Agent to my attention at the letterhead address.

If anything further is needed in connection with this matter, please contact the undersigned at the telephone number listed in the letterhead.

Yours very truly,

ENRON OIL & GAS COMPANY

  
Toni Lei Miller  
Project Landman

TLM/dac  
Enclosures  
9334T

cc: Vernal District, BLM (with copies of enclosures)  
Division of Oil, Gas & Mining, Attn: Ms. Tami Searing  
(with copies of enclosures)  
Jim Schaefer - Big Piney (with copies of enclosures)  
George R. McBride - Vernal (with copies of enclosures)  
Coastal Oil & Gas Corporation, Attn: Mr. Donald H. Spicer  
(with copies of enclosures)

DESIGNATION OF AGENT

Robert A. Henricks  
Chief, Branch of Fluid Minerals

The undersigned is, on the records of the Bureau of Land Management Unit Operator under the Natural Buttes Unit Agreement, Uintah County, Utah, No. 14-08-00018900 approved January 5, 1968, and hereby designates:

NAME: Enron Oil & Gas Company

ADDRESS: P.O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 308-20E, the NW/4SW/4 of Section 20, Township 9 South, Range 22 East, Uintah County, Utah.

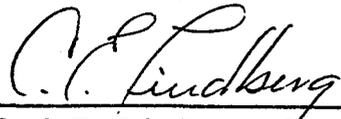
This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 308-20E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. ~~74592~~. 81307603.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. At which time the Unit Operator shall assume all liability of the well and bonding shall be provided by the Unit Operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

COASTAL OIL & GAS CORPORATION, Unit Operator

By:   
Carl E. Lindberg, Vice President

Date: 10/25/91

DESIGNATION OF AGENT

Robert A. Henricks  
Chief, Branch of Fluid Minerals

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Vernal, Utah 84078

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This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 309-20E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. ~~74532~~.81307603.

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COASTAL OIL & GAS CORPORATION, Unit Operator

By:   
Carl E. Lindberg, Vice President *90*

Date: 10/25/91

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Robert A. Henricks  
Chief, Branch of Fluid Minerals

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NAME: Enron Oil & Gas Company

ADDRESS: P.O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 319-17E, the NW/4NW/4 of Section 17, Township 10 South, Range 21 East, Uintah County, Utah.

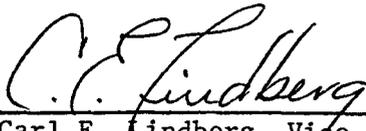
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The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 319-17E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. ~~74532~~. 81307603.

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COASTAL OIL & GAS CORPORATION, Unit Operator

By:   
Carl E. Lindberg, Vice President

Date: 10/25/91

DESIGNATION OF AGENT

Robert A. Henricks  
Chief, Branch of Fluid Minerals

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NAME: Enron Oil & Gas Company

ADDRESS: P.O. Box 1815  
Vernal, Utah 84078

as its agent, with full authority to act in its behalf in complying with the terms of the unit agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 320-6E, the NW/4SW/4 of Section 6, Township 10 South, Range 21 East, Uintah County, Utah.

This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

The designated agent will be responsible for compliance with the Oil and Gas Operating Regulations as they relate to the drilling, testing, and completing of unit well No. 320-6E. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. ~~74532~~.81307603.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. At which time the Unit Operator shall assume all liability of the well and bonding shall be provided by the Unit Operator or as otherwise arranged by the unit agreement. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

COASTAL OIL & GAS CORPORATION, Unit Operator

By:   
Carl E. Lindberg, Vice President *JK*

Date: 10/25/91

# ENRON

## OIL & GAS COMPANY

P.O. BOX 1815, VERNAL, UTAH 84078 (801) 870-0725

RECEIVED

May 11, 1992

MAY 29 1992

DIVISION OF  
OIL GAS & MINING

Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: APPLICATION FOR PERMIT TO DRILL  
NATURAL BUTTES UNIT 309-20E  
SECTION 20, T9S, R21E  
UINTAH COUNTY, UTAH  
LEASE NO. U-0575  
UTE TRIBAL LANDS

Dear Mr. Forsman:

Enclosed are the original and two (2) copies of the Application for Permit to Drill and associated attachments for the referenced well.

If further information is required regarding this matter, please contact this office.

Sincerely,

ENRON OIL & GAS COMPANY

*George R. McBride* by *J. O.*

George R. McBride  
Sr. Production Foreman

### Attachments

cc: **State Division of Oil, Gas & Mining**  
D. Weaver/T. Miller  
Suzanne Saldivar - Houston  
File

/lw

NBU309-20EAPD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

B. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Enron Oil & Gas Company

3. ADDRESS OF OPERATOR  
 P.O. Box 1815, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 667' FEL & 930' FNL NE/NE  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 18.6 Miles Southeast of Ouray, Utah

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 667'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 2329'±

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4854' Graded Ground

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	240'	125 sx Class "G" + 2% CaCl2 + 1/2 #/sx celloflake. 50/50 Pozmix + 2% gel + 10% salt to 400' above all zones of interest (+ 10% excess). Light cement (11 PPG±) + LCM to 200' above oil shale or fresh water intervals (+ 5% excess).
7 7/8"	4 1/2"	10.5#	6873'	

SEE ATTACHMENTS FOR:

- 8 Point Plan
- Drilling Program
- BOP Schematic
- Surface Use and Operating Plan
- Location Plat
- Location Layout
- Topographic Maps "A", "B", and "C"

Enron Oil & Gas Co. will be the designated operator of the subject well under Nation Wide Bond #8130760

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Linda L. Wall TITLE Sr. Admin. Clerk DATE 5/11/92  
 APPROVED BY THE STATE

(This space for Federal or State office use)  
 PERMIT NO. 43-047-30283 APPROVAL DATE \_\_\_\_\_  
 OF UTAH DIVISION OF OIL, GAS, AND MINING

APPROVED BY \_\_\_\_\_ DATE: 5/11/92  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ BY: [Signature]  
 WELL SPACING: 687-2-3

\*See Instructions On Reverse Side

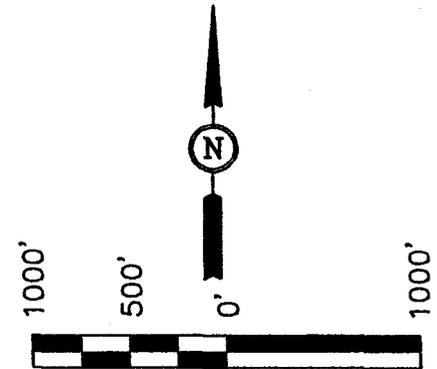
**ENRON OIL & GAS CO.**

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

Well location, NBU #309-20E, located as shown in the NE 1/4 NE 1/4 of Section 20, T9S, R21E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NE CORNER OF SECTION 20, T9S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4867 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.

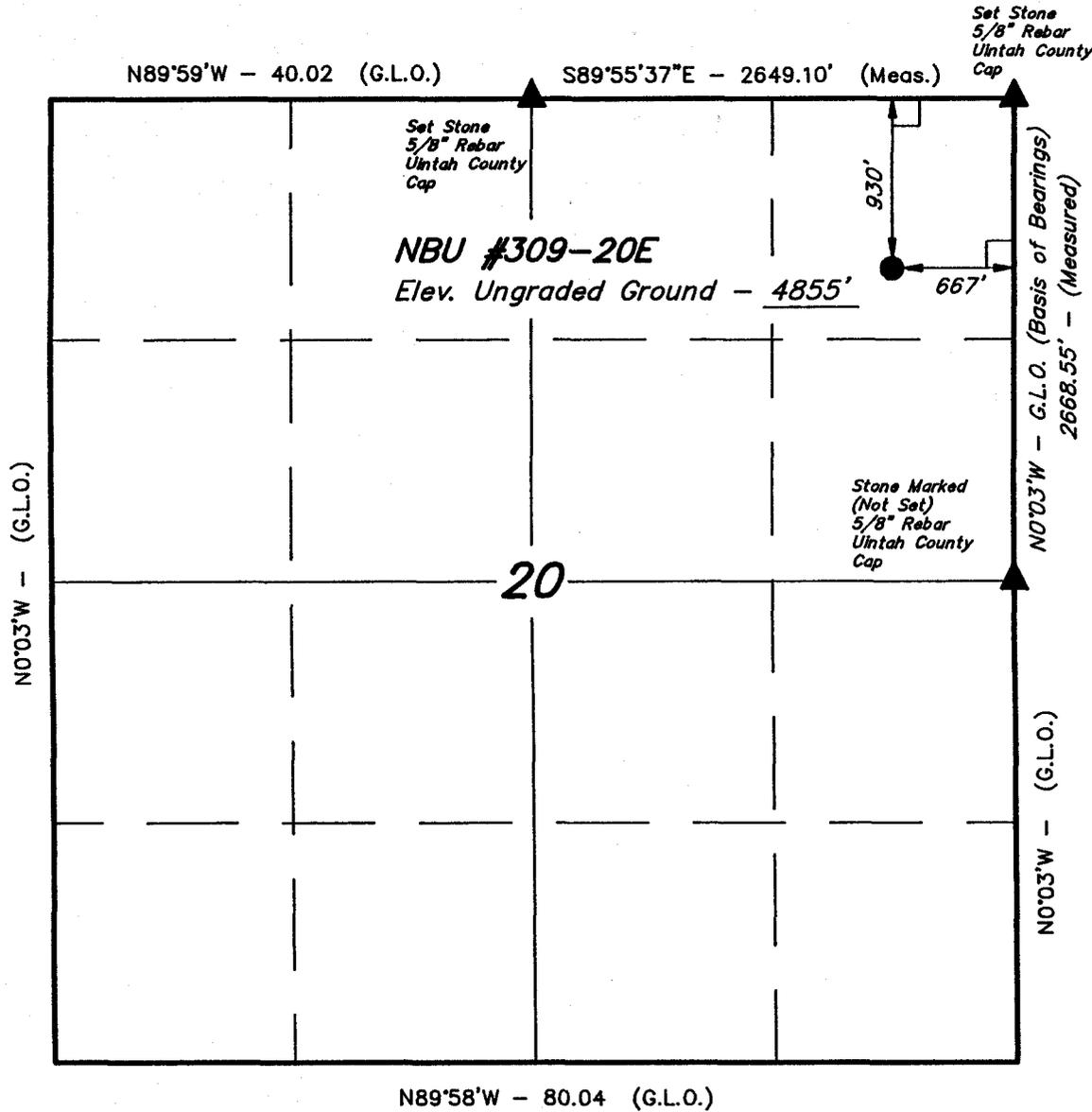
*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 5709  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**

P. O. BOX 1758 - 85 SOUTH - 200 EAST

VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7-3-91
PARTY G.S. R.A. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE ENRON OIL & GAS CO.



▲ = SECTION CORNERS LOCATED.

EIGHT POINT PLAN

NATURAL BUTTES UNIT 309-20E

SECTION 20, T9S, R21E

UINTAH COUNTY, UTAH

1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS & WATER ZONES:

FORMATIONS	DEPTH	TYPE ZONES	MAXIMUM PRESSURE
Green River			
Oil Shale	1,682'		
"H" Marker	3,242'		
"J" Marker	3,922'		
Base "M" Marker	4,582'		
Wasatch			
Peters Point	5,042'	Gas	2,300 PSI
Chapita Wells	5,572'	Gas	2,500 PSI
Buck Canyon	6,132'	Gas	2,800 PSI
EST. TD	6,873'	Anticipated BHP	3,100 PSI

All depths are based on estimated KB elevation 4,866'. Maximum pressure estimates are based on bottom hole pressures measured on offset or near vicinity wells to the subject well.

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

4. CASING PROGRAM:

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>MINIMUM SAFETY FACTOR</u>		
						<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4"	0' -240'	240'	9 5/8"	32.3#	H-40 ST&C	1400 PSI	2270 PSI	254,000#
7 7/8"	0' -6873'	6873'	4 1/2"	10.5#	J-55 ST&C	4010 PSI	4790 PSI	146,000#

All casing to be used will be new or inspected.

EIGHT POINT PLAN

NATURAL BUTTES UNIT 309-20E

PAGE NO. 2

5. MUD PROGRAM:

INTERVAL

0' - 240'  
240' - 4000'  
4000' - TD

MUD TYPE

Air  
Air/Mist & Aerated Water  
Air/3% KCl water or KCl substitute.

Severe lost circulation probable from 1500' to 3000'.  
Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. EVALUATION PROGRAM:

Logs: Dual Laterolog/GR From base of surface casing to TD.  
FDC-CNL/GR/Caliper TD to 3200'  
Linear 2" DLL.

Cores: None Programmed.  
DST' : None Programmed.

Completion: To be submitted at a later date.

7. ABNORMAL CONDITIONS:

None anticipated.

8. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

Attachment: BOP Schematic Diagram

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Enron Oil & Gas Company  
Well Name & Number: Natural Buttes Unit 309-20E  
Lease Number: U-0575  
Location: 930' FNL & 667' FEL NE/NE Sec. 20 T. 9S R. 21E  
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

- Location Construction - forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

## THIRTEEN POINT SURFACE USE PROGRAM

### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 18.6 miles southeast of Ouray, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### 2. PLANNED ACCESS ROAD

- A. The access road will be 0.4 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 5%.
- D. No turn outs will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerline - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossing shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

A Right-of-Way application will be required.

As operator Enron Oil & Gas Company shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None.
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None
- D. Disposal wells - None
- E. Drilling wells - None
- F. Producing wells - Seven - See attached TOPO Map "C" for location of producing wells.
- G. Shut in wells - None
- H. Injection wells - None

4. LOCATION OF EXISTING/AND OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities will be set on location if well is successfully completed for production. Facilities will consist of well head & valves, separator, dehy, 210 BBl condensate tank, meter house and attaching piping. See attached facility diagram.
- 3. Oil gathering lines - None
- 4. A 3 1/2" gathering line will be buried from dehy to south edge of location.
- 5. Injection lines - None
- 6. Disposal lines - None
- 7. Surface pits - None

B. OFF WELL PAD

- 1. Proposed location of attendant off pad gas flowlines shall be flagged prior to archaeological clearance.
- 2. A 4 1/2" OD steel above ground natural gas pipeline will be laid approximately 1500'± from proposed location to a point in the SW/NW of Sec. 21, T9S, R21E where it will tie into CIGE's existing line. Proposed pipeline crosses Ute Indian Tribe Lands, thus a Right-of-Way grant will be required. See attached Exhibit A showing pipeline route.
- 3. Proposed gas gathering pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
- 4. Protective measures and devices for livestock and wildlife will be taken and or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the south side of location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint colors is Carlsbad Canyon.

**5. LOCATION & TYPE OF WATER SUPPLY**

- A. Water supply will be from Ouray Brine Plant at Ouray, Utah, and/or Target Trucking Inc.'s' water source in the SW/SW Sec. 35, T9S, R22E, Uintah County, Utah (State water right #49-1501).
- B. Water will be hauled by Target Trucking Inc.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIAL**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

**7. METHODS OF HANDLING WASTE DISPOSAL**

**A. METHODS AND LOCATION**

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 days period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and dispose of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning will not be allowed. all trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

- To protect the environment.  
If the reserve pit is lined the operator will provide the BIA a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.
- To protect the environment (without a chemical analysis).  
Reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.
- Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

**8. ANCILLARY FACILITIES**

- A. No airstrips or camps are planned for this well.

**9. WELL SITE LAYOUT**

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approve on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the north side of location.

The flare pit will be located downwind of the prevailing wind direction on the north side of location a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the west corner.

Access to the well pad will be from the south.

- NA Diversion ditch(es) shall be construct on the \_\_\_\_\_ side of the location (above/below) the cut slope, draining to the \_\_\_\_\_
- NA Soil compacted earthen berm(s) shall be placed on the \_\_\_\_\_ side(s) of the location between the \_\_\_\_\_
- NA The drainage(s) shall be diverted around the side(s) of the well pad location.
- NA The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons \_\_\_\_\_.
- NA The \_\_\_\_\_ corner of the well pad will be rounded off to avoid the \_\_\_\_\_.

### **FENCING REQUIREMENTS**

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total eight of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before is be attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 12 months from the date of well completion. Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) re-establishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe  
Location: Ute Indian Tribe

12. OTHER INFORMATION

A. Enron Oil & Gas Company will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

-if the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guideline for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator Enron Oil & Gas Company will control noxious weeds along Right-of-Ways for roads, pipelines, well sites or other applicable facilities. A list of noxious weeds will be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for for stacking and storing drilling rigs.)

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors and their employees or agents may not disturb saleable timber (including firewood without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, and approved right-of-way will be obtained from BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uinta and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (A) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members. (d) that permits must be obtained from the BIA before cutting firewood or other timber products and (e) only authorized personnel permitted. All well site locations on the Uinta and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

**Additional Surface Stipulations**

NA No construction or drilling activities shall be conducted between \_\_\_\_\_ and \_\_\_\_\_ because of \_\_\_\_\_

NA No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

NA No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

NA There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

NA No cottonwood trees will be removed or damaged.

NA Pond will be constructed according to BLM specifications approximately \_\_\_\_\_ ft. \_\_\_\_\_ of the location, as flagged on onsite.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Enron Oil and Gas Company  
P.O. Box 1815  
Vernal, Utah 84078  
George McBride  
Telephone: (801) 789-0790

Enron Oil and Gas Company  
P.O. Box 250  
Big Piney, Wyoming  
Jim Schaefer  
Telephone: (307) 276-3331

All lease/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 approval plan of operations, and any applicable Notice to Lessees. Enron Oil & Gas Company is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities

The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

**Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed here in will be performed by ENRON OIL & GAS COMPANY and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

5-13-92

DATE

George R. McBride Jr.  
GEORGE R. MCBRIDE  
SR. PRODUCTION FOREMAN

1w

NBU309-20EPP

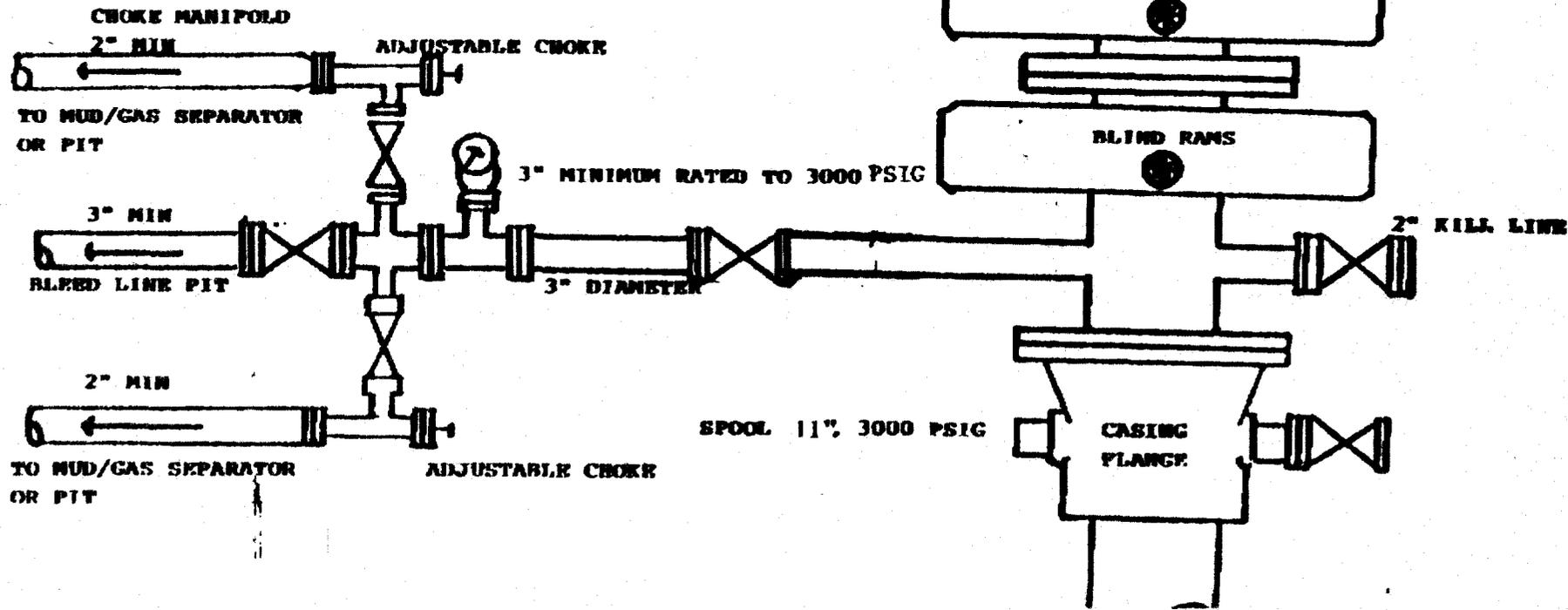
2000 PSIG BOP DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 PSIG RATED.  
 CASING FLANGE IS 11" 3000 PSIG RATED.  
 BOPE 11" 2000 PSIG

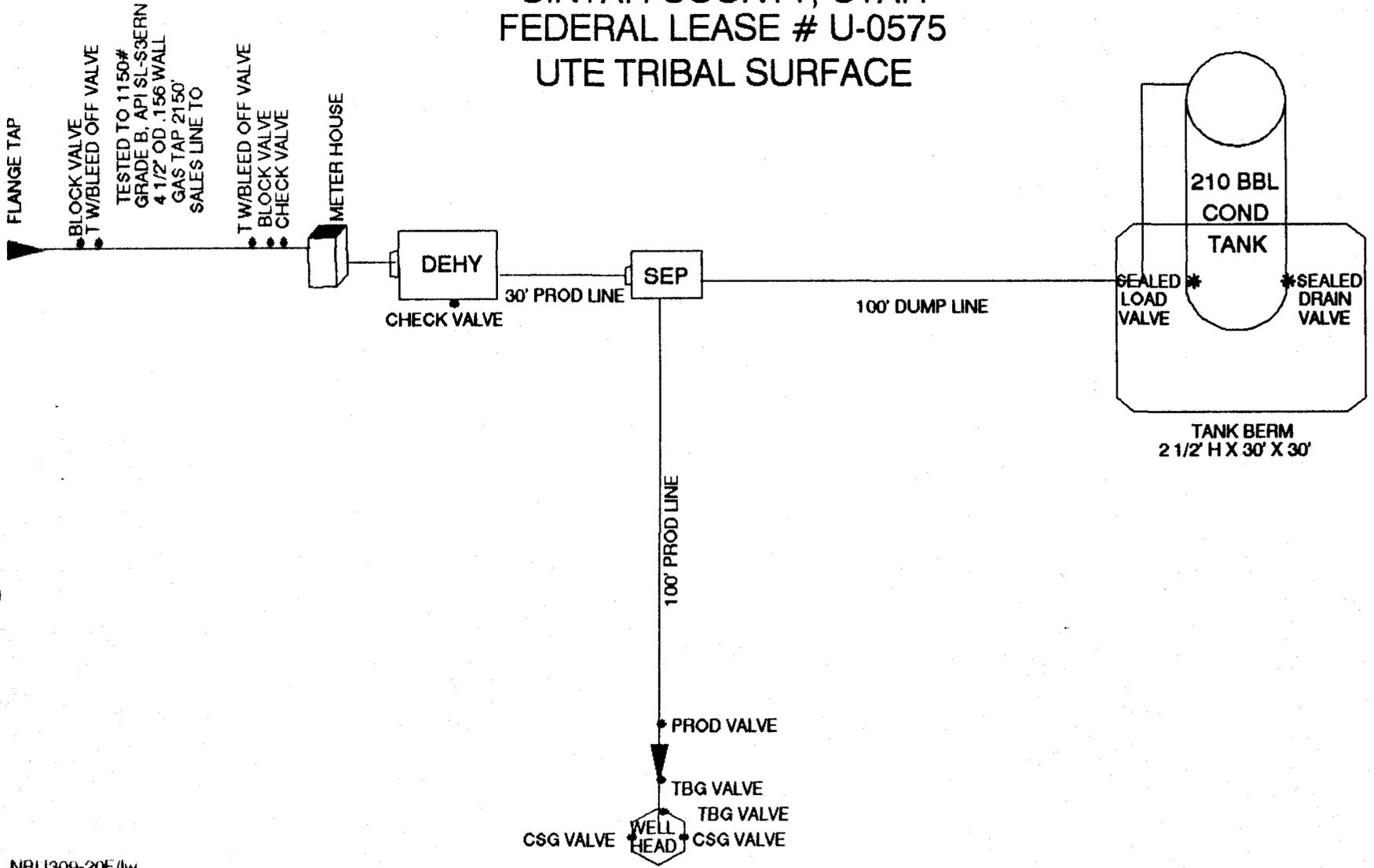
TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 2000 psig.
3. Annular preventor will be tested to 50% of working pressure, 1500 psig.
4. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.

H:\DOC\BOP\TAH.DIA



NATURAL BUTTES 309-20E  
 SECTION 20, T92, R21E  
 UINTAH COUNTY, UTAH  
 FEDERAL LEASE # U-0575  
 UTE TRIBAL SURFACE



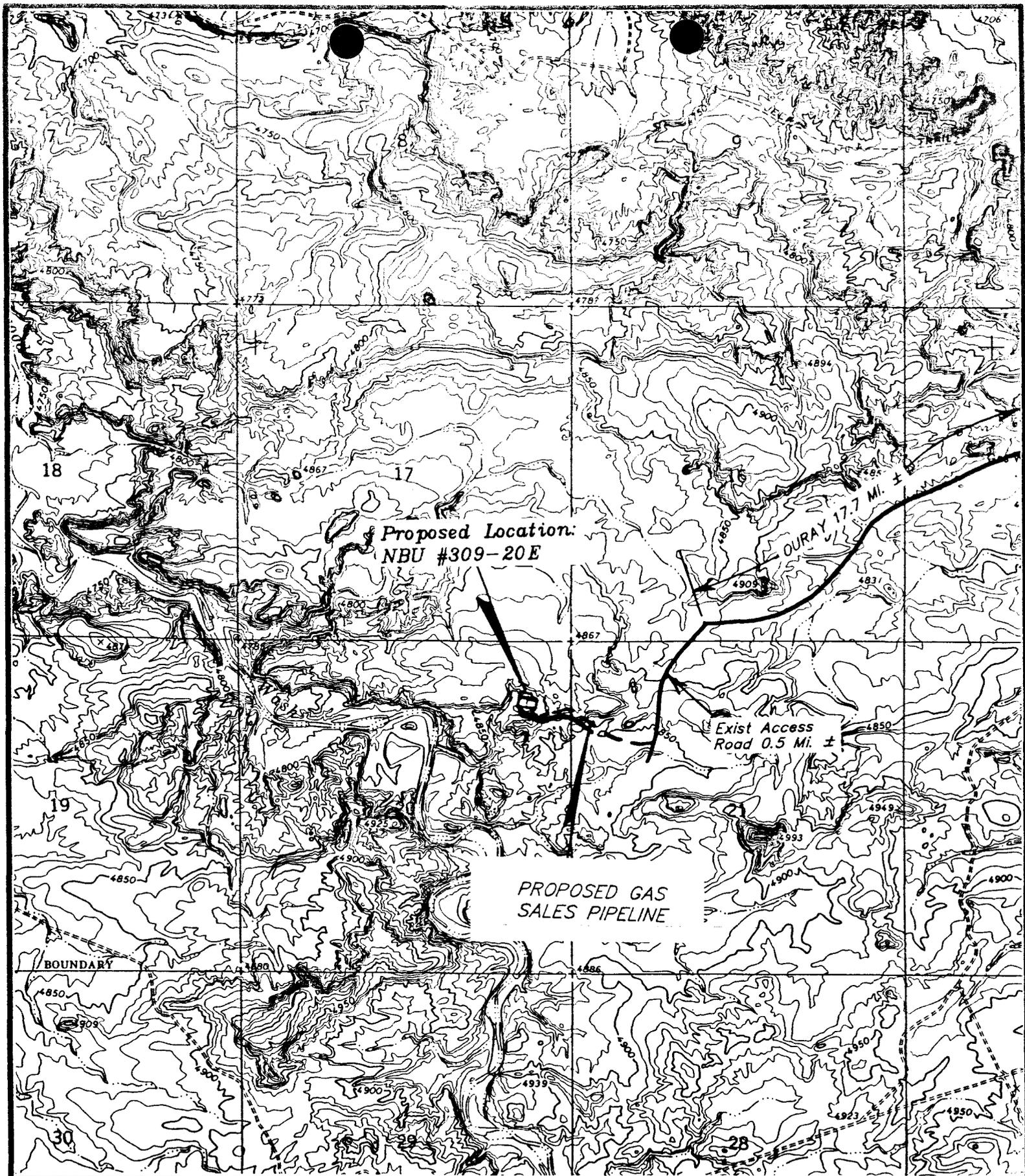


EXHIBIT "A"  
GAS SALES PIPELINE

SCALE: 1" = 2000'  
DATE 7-2-91 R.E.H.



ENRON OIL & GAS CO.

NBU #309-20E  
SECTION 20, T9S, R21E, S.L.B.&M.

**DRILLING PROGRAM**

Date: May 6, 1992

REVISION NO. & DATE: \_\_\_\_\_

PROSPECT: NATURAL BUTTES UNIT LEASE: U-0575 (0050612-000)

WELL NAME & NUMBER: Natural Buttes Unit 309-20E

WELL CLASSIFICATION: DW-GAS ANTICIPATED PRODUCTION: OIL \_\_\_\_\_ GAS X OTHER \_\_\_\_\_  
TGS X

LOCATION CALL: 930' FNL & 667' FEL (NE NE)  
Section 20, T9S, R21E  
Uintah County, Utah

ELEVATION: 4810' GL, 4824' KB (estimated)

DIRECTION LIMITATIONS: Maximum deviation for the hole will be 6" w/no more than a 1"/100' dogleg severity. See page number 4 for distance between surveys.

TYPE RIG: Land Rotary APPROVED DEPTH: 6873' PERMIT DEPTH: 6873'

CONDUCTOR NEEDED? No If yes, size & how set: \_\_\_\_\_

CRITERIA FOR DETERMINING CASING SEAT FOR CRITICAL STRINGS: WOC overnight before cutting off surface casing to weld on head.

CENTRALIZERS (DEPTH & TYPE):  
Surface - One 5-10' above shoe & top of first, second & fourth joint.  
Production - One @ middle of 1st jt & every third collar to 4800'+.

WELL NAME: Natural Buttes Unit 309-20E

STAGE COLLARS, BASKETS, OTHER SPECIAL EQUIPMENT:

Surface - Guide shoe

Production - Differential fill guide shoe and differential fill float collar with top plug. Marker joints @ 3000'+ and 5000'+.

PUMPING RATES/SPECIAL INSTRUCTIONS: Circulate casing two hours prior to cementing. Reciprocate casing.

LOGGING PROGRAM: DLI/GR from TD to base of surface casing.

FDC/CNL/GR/caliper from TD to 100' above Green River "H" Marker.

Continue caliper to desired top of cement.

CORES: None are anticipated.

SAMPLES: Collect 30' samples from below surface casing to 4500'+. Collect 10' samples from 4500'+ to TD.

FORMATION TESTS: None are anticipated.

MUD LOGGING: (Includes services & depth): From 4500'+ to TD.

DETECTION & CONTROL EQUIPMENT: 10" 2000 psig BOP with blind and pipe rams. 10" Annular Preventor. 10" rotating head. Test manifold & BOP's to 2000 psig, annular preventor to 1500 psig, surface casing to 1500 psig.

Use certified pressure testing service company and leave a copy of the test chart in the doghouse until rig down.

COMPLETION PROGRAM: To be submitted at a later date.

OTHER SERVICES: None are anticipated.

WELL NAME: Natural Buttes Unit 309-20E

**FORMATION TOPS & DEPTHS (TENTATIVE)**

**FORMATION NAME & TYPE    ESTIMATED DEPTH (EL)    DATUM    THICKNESS & REMARKS**

See attached Prognosis.

**X-MAS TREE:** 10" 3000# weld on casing head, 6" 5000# x 10" 3000# tubing  
spool, 2-1/16" 5000# master valves.

**MUD PROGRAM**

DEPTH INTERVAL	MUD WEIGHT	VIS	WL (cc)	TYPE OF MUD
0' to 240'				Air
240' to 4000'				Air/Mist & Aerated Water
4000' to TD				Aerated 3% KCl water or KCl substitute.

**DRILLING HAZARDS & SPECIAL INSTRUCTIONS**

Lost circulation from 1500' to 3000'+. Underbalanced circulation system will require rotating head. Potential gas kicks in Green River and Wasatch. Potential shale swelling/sloughing problems. Meter air & add foamer to maximize consistency of returns & maintain stable pit levels. Utilize pack-off head while running open hole logs.

WELL NAME: Natural Buttes Unit 309-20E

**CEMENT PROGRAM**

HOLE SIZE	CASING SIZE	DEPTH	CEMENT PROCEDURE
12 1/4"	9"	240'	Cement w/110 sx Class "G" cement + 2% CaCl <sub>2</sub> + 1#/sx celloflake. Circulate gelled water ahead of slurry.
7 1/4"	4 1/2"	6873'	Cover interval from TD to 4600'± w/50/50 Pozmix + 2% gel + 10% salt. Volume to be calculated from caliper log annular volume to 4600' plus 10% excess.  Cover interval from 4600'± to depth specified in conditions of approval with light cement plus specified additives. Volume to be calculated from caliper log annular volume from 4600'± to applicable upper depth plus 5% excess.  Circulate casing 2 hrs before cementing. Reciprocate casing during cementing. Pump 20 bbls fresh water ahead of slurry.

**CASING PROGRAM**

INTERVAL SIZE	INTERVAL			WEIGHT			MINIMUM SAFETY FACTOR		
	FROM	TO	LENGTH	#/FT.	GRADE	THREAD	COLLAPSE (psig)	BURST (psig)	TENSILE (psig)
9-5/8"	0'	240'	240'	32.3#	H-40	ST&C	1400	2270	254,000
4-1/2"	0'	6873'	6873'	10.5#	J-55	ST&C	4010	4790	146,000

**SURVEY SCHEDULE**

DEPTH	DISTANCE BETWEEN SURVEYS	MAX DEVIATIONS FROM VERTICAL	MAXIMUM CHANGE DEGREES/100'
0' to 240'	240'	1 degree	1 degree
240' to TD	500' (or as needed)	6 degrees	1 degree

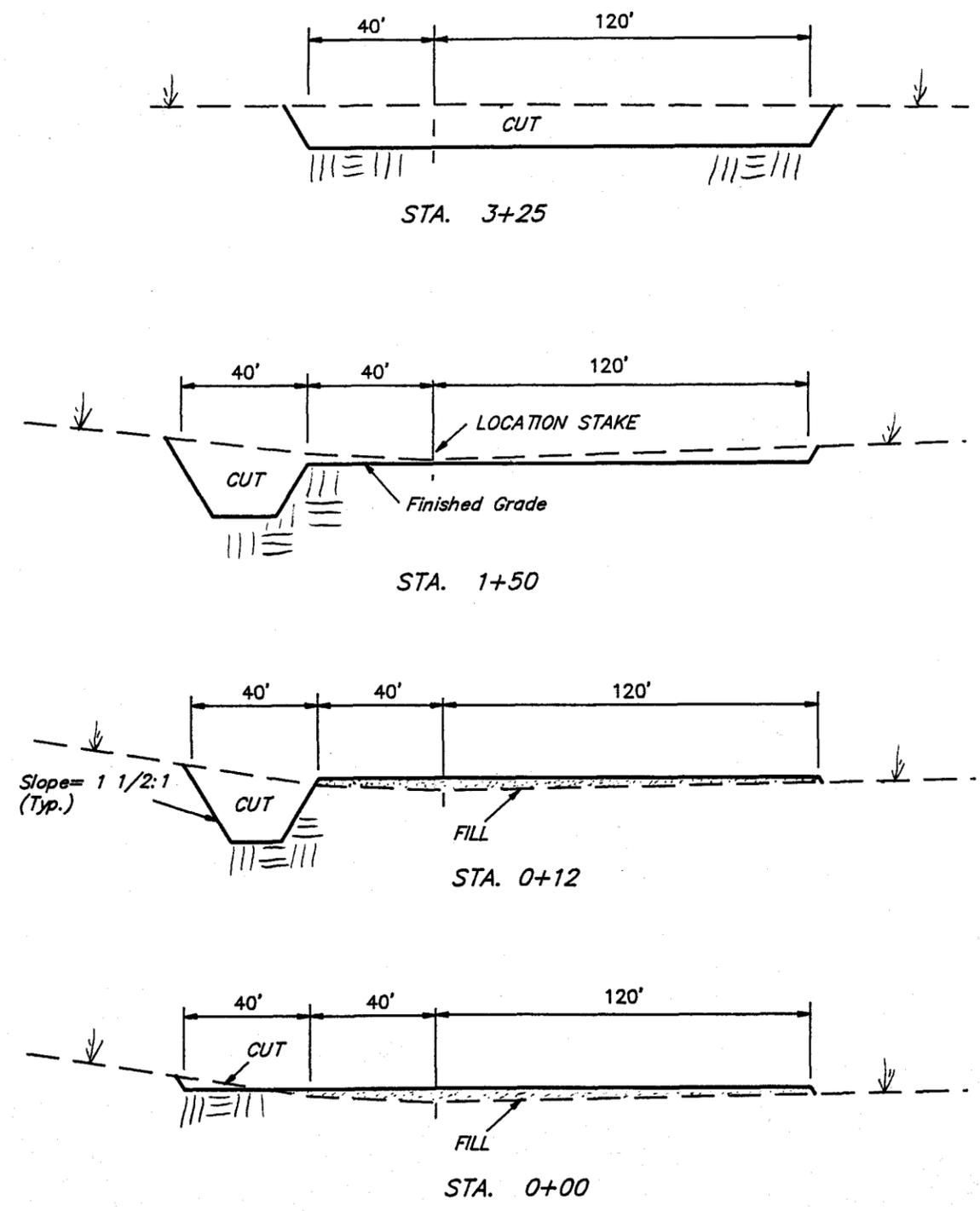
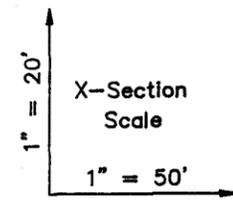
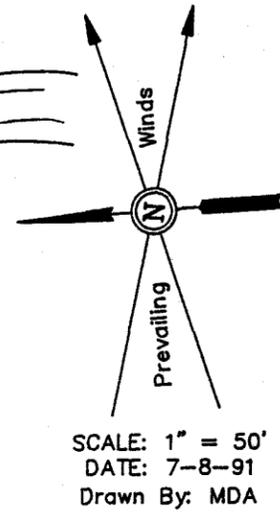
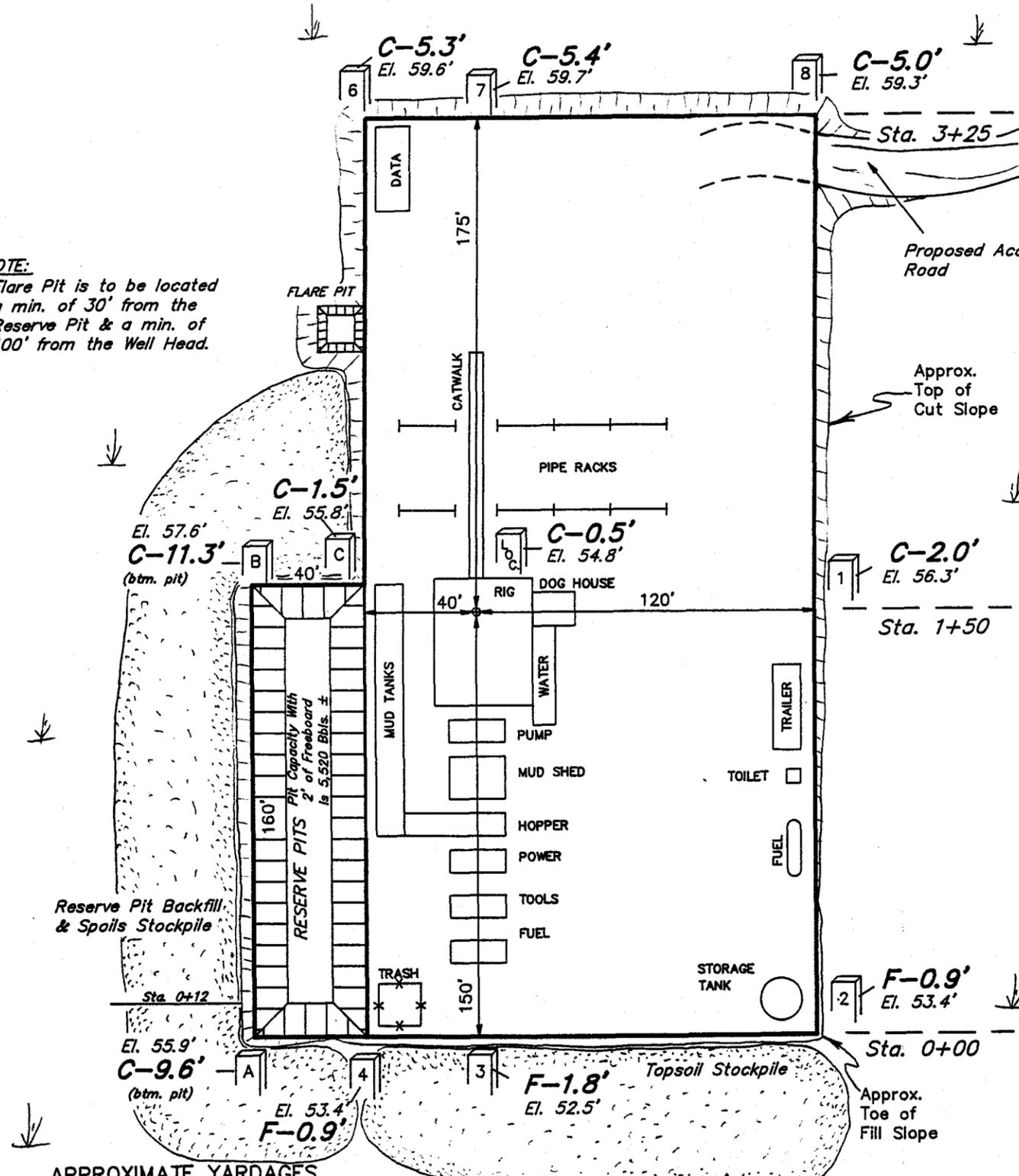
PREPARED BY: Jim R. Schaefer, Sr. Production Engineer

APPROVED BY: Dennis J. Brabec, Drilling Superintendent

APPROVED BY: C. C. Parsons, District Manager

ENRON OIL & GAS CO.  
 LOCATION LAYOUT FOR  
 NBU #309-20E  
 SECTION 20, T9S, R21E, S.L.B.&M.

**NOTE:**  
 Flare Pit is to be located  
 a min. of 30' from the  
 Reserve Pit & a min. of  
 100' from the Well Head.

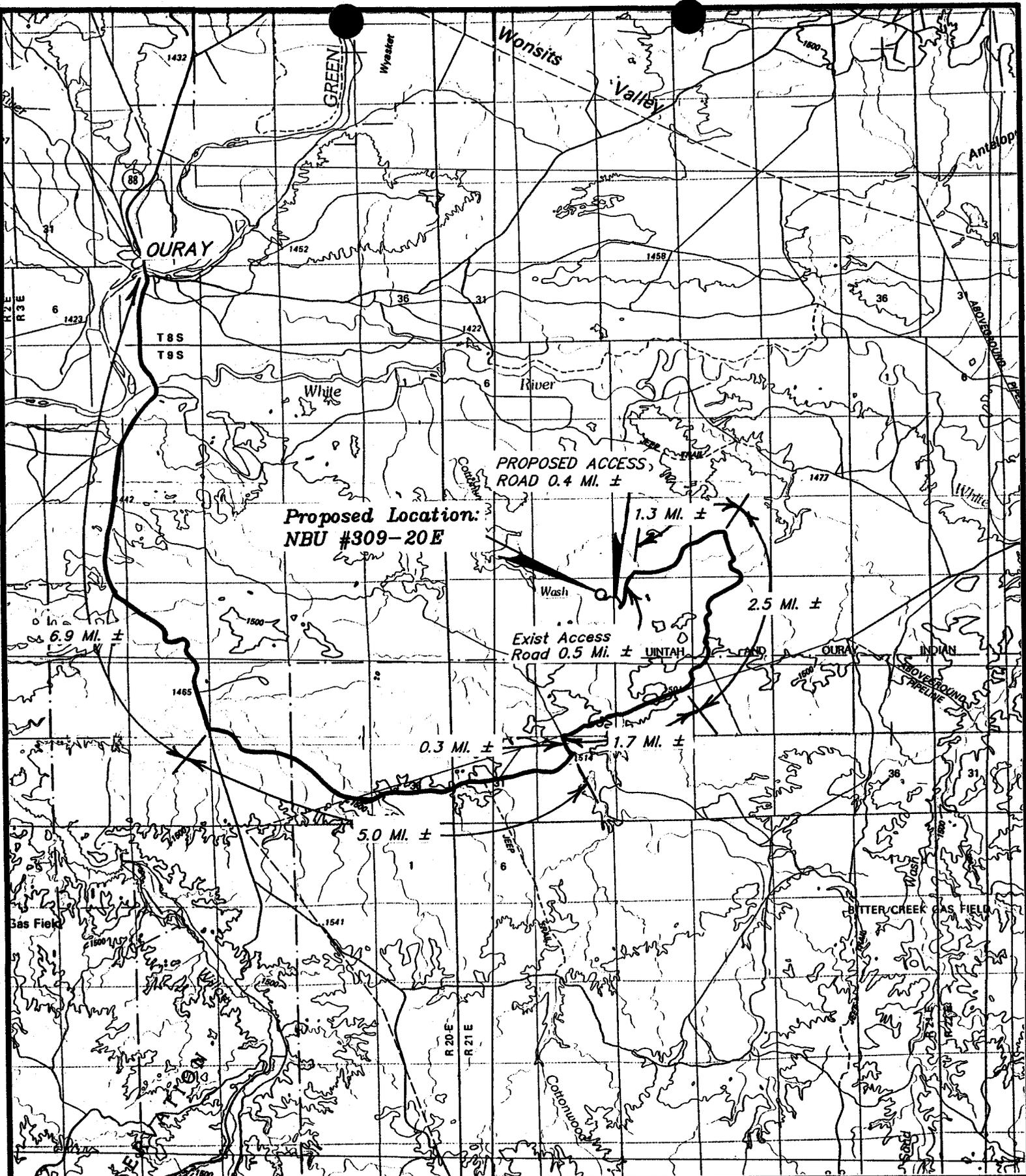


TYP. LOCATION LAYOUT CROSS SECTIONS

**APPROXIMATE YARDAGES**

(12") Topsoil Stripping	= 2,200 Cu. Yds.	EXCESS MATERIAL AFTER 5% COMPACTION	= 4,980 Cu. Yds.
Remaining Location	= 3,960 Cu. Yds.	Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,820 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 6,160 CU.YDS.</b>	EXCESS UNBALANCE (After Rehabilitation)	= 2160 Cu. Yds.
<b>FILL</b>	<b>= 1,120 CU.YDS.</b>		

Elev. Ungraded Ground at Location Stake = **4854.8'**  
 Elev. Graded Ground at Location Stake = **4854.3'**



TOPOGRAPHIC  
MAP "A"

DATE 7-2-91 R.E.H.



**ENRON OIL & GAS CO.**

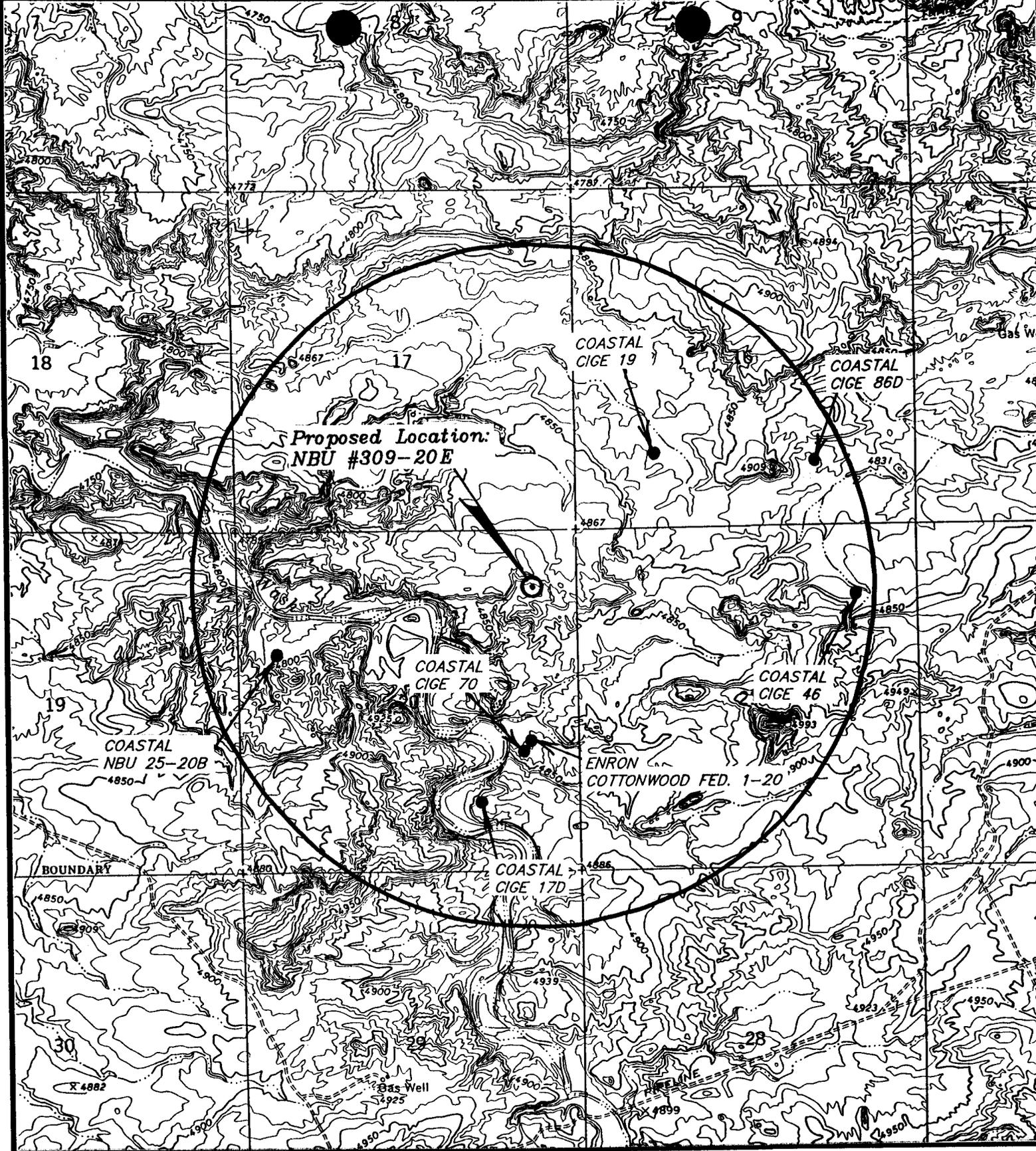
NBU #309-20E  
SECTION 20, T9S, R21E, S.L.B.&M.



TOPOGRAPHIC  
MAP "B"  
SCALE: 1" = 2000'  
DATE 7-2-91 R.E.H.



**ENRON OIL & GAS CO.**  
NBU #309-20E  
SECTION 20, T9S, R21E, S.L.B.&M.



**LEGEND:**

- ∅ = Water Wells
- ◆ = Abandoned Wells
- = Temporarily Abandoned Wells
- ∅ = Disposal Wells
- = Drilling Wells
- = Producing Wells
- ◆ = Shut-in Wells



**ENRON OIL & GAS CO.**

NBU #309-20E  
 SECTION 20, T9S, R21E, S.L.B.&M.  
**TOP O MAP "C"**

DATE: 7-2-91 R.E.H.

OPERATOR Enron Oil (Yor) Co N-0401 DATE 10-3-90  
WELL NAME NBL 309 00E  
SECTION NE 1/4 T 9S R 01E COUNTY Mintah

43-047-30083  
API NUMBER

Actual (1)  
TYPE OF LEASE

CHECK OFF:

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> PLAT. | <input checked="" type="checkbox"/> BOND       | <input checked="" type="checkbox"/> NEAREST WELL        |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD SLBM | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:

Included in 90 PDD approved 5-01-90  
water permit 49-1501 target ducking.  
Oil shale area

APPROVAL LETTER:

PACING:  R615-2-3 Natural Buttes UNIT  R615-3-2  
 N/A CAUSE NO. & DATE  R615-3-3

STIPULATIONS:

1- Oil shale area



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

June 3, 1992

Enron Oil & Gas Company  
P.O. Box 1815  
Vernal, Utah 84078

Gentlemen:

Re: Natural Buttes Unit 309-20E Well, 930 feet from the north line, 667 feet from the east line, NE 1/4 NE 1/4, Section 20, Township 9 South, Range 21 East, Uintah County, Utah

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, and Utah R. 649-3-4, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

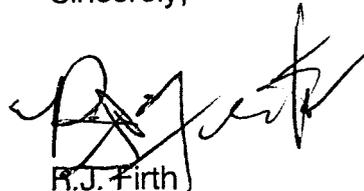
1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Page 2  
Enron Oil & Gas Company  
Natural Buttes Unit 309-20E Well  
June 3, 1992

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32283.

Sincerely,



R.J. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Bureau of Land Management  
J.L. Thompson  
WO11

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

B. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Enron Oil & Gas Company

3. ADDRESS OF OPERATOR  
 P.O. Box 1815, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 667' FEL & 930' FNL NE/NE  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 18.6 Miles Southeast of Ouray, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 667'

16. NO. OF ACRES IN LEASE  
 1600

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 2329'±

19. PROPOSED DEPTH  
 6875'±

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)  
 4854' Graded Ground

22. APPROX. DATE WORK WILL START\*  
 August 10, 1992

5. LEASE DESIGNATION AND SERIAL NO.  
 U-0575

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Ute Tribal Surface

7. UNIT AGREEMENT NAME  
 Natural Buttes Unit

8. FARM OR LEASE NAME  
 Natural Buttes Unit

9. WELL NO.  
 309-20E

10. FIELD AND POOL, OR WILDCAT  
 NBU/Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 20, T9S, R21E

12. COUNTY OR PARISH  
 Uintah

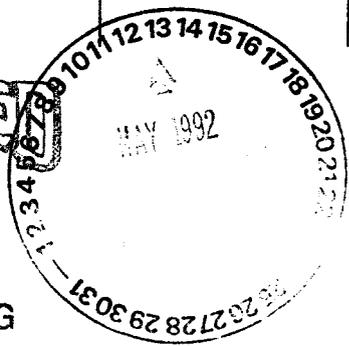
13. STATE  
 Utah

43-047-32283

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	240'	125 sx Class "G" + 2% CaCl2 + 1/4 #/sx celloflake. 50/50 Pozmix + 2% gel + 10% salt to 400' above all zones of interest (+ 10% excess). Light cement (11 PPG±) + LCM to 200' above oil shale or fresh water intervals (+ 5% excess).
7 7/8"	4 1/2"	10.5#	6873'	

RECEIVED



SEE ATTACHMENTS FOR: JUN 08 1992

8 Point Plan  
 Drilling Program  
 BOP Schematic  
 Surface Use and Operating Plan  
 Location Plat  
 Location Layout  
 Topographic Maps "A", "B", and "C"

Enron Oil & Gas Co. will be the designated operator of the subject well under Nation Wide Bond #8130760

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Linda L. Wall TITLE Sr. Admin. Clerk DATE 5/11/92

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 ASSISTANT DISTRICT MANAGER MINERALS  
 APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE JUN 2 1992  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL \*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED TO PERMIT

# memorandum

DATE: January 15, 1992  
 Superintendent, Uintah & Ouray Agency

JAN 15 1992

REPLY TO  
 ATTN OF:

SUBJECT:

Concurrence Letter for Enron Oil & Gas Company ROW-H62-92-19,  
NBU #309-20E, Section 20, T.9 S.,R.21 E., S.L.B.& M.

TO: Bureau of Land Management, Vernal District Office  
 Attention: Mr. Paul Andrews, Area Manager

We recommend approval of the Application for Permit to Drill on the subject well.

Based on available information received on January 9, 1992, we have cleared the proposed location in the following area of environmental impact.

- YES  NO  Listed threatened or endangered species
- YES  NO  Critical wildlife habitat
- YES  NO  Archeological or cultural resources
- YES  NO  Air quality aspects (to be used only if project  
 is in or adjacent to a Class I area of  
 attainment
- YES  NO  Other (if necessary)

REMARKS: Environmental Analysis-6. MITIGATION STIPULATIONS

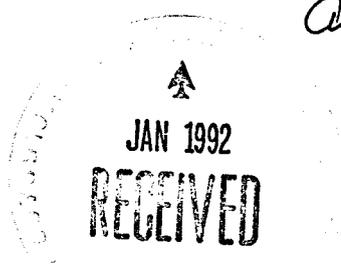
1. Landscape disturbance cannot be effectively mitigated at this time. However, before the site is abandoned the company will be required to restore the well pad, access roads, and pipeline rights-of-way to near their original state. The disturbed area will be reseeded with desirable perennial vegetation and the seed will covered with a weed free organic mulch.
2. Noxious weeds will be controlled on all well sites and rights-of-ways. If noxious weeds spread from the well sites or rights-of-way, the company will also be responsible for their control.

Upon completion of construction, please submit an Affidavit of Completion with accompanying Certification so that we may record all pertinent documents at our Southwest Title Plant in Albuquerque, New Mexico.

If you have any question regarding said right-of-way, you may contact Mr. Roland McCook, Realty Officer or Norman Cambridge, Realty Specialist at (801) 722-2406 Ext. 48/46.

Sincerely,

*Acting Superintendent*  
 Superintendent.



CONDITIONS OF APPROVAL FOR THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Enron Oil & Gas Company

Well Name & Number: Natural Buttes Unit 309-20E

Lease Number: U-0575

Location: NENE Sec. 20 T. 9S R. 21E

Surface Ownership: Indian

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

Company Enron Oil & Gas Company Well No. NBU 309-20E  
Location NENE Section 20, T9S, R21E Lease No. U - 0575

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 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.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to if air is used as the principle drilling medium, i.e., if the rig mud pumps are not being utilized while drilling.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm$  1,250 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

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

Gerald E. Kenczka (801) 781-1190  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 789-3634

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**REMARKS: Environmental Analysis-6. MITIGATION STIPULATIONS**

1. Landscape disturbance cannot be effectively mitigated at this time. However, before the site is abandoned the company will be required to restore the well pad, access roads, and pipeline rights-of-way to near their original state. The disturbed area will be reseeded with desirable perennial vegetation and the seed will be covered with a weed free organic mulch.
2. Noxious weeds will be controlled on all well sites and rights-of-ways. If noxious weeds spread from the well sites or rights-of-way, the company will also be responsible for their control.
7. The BLM recommends that a Paleontologist should examine the locality and monitor construction of the access road when near the paleontology sites indicated in the Archaeology Report of Grand River Institute (June 1991).

Enron should check with BIA regarding whether additional right-of-way is needed for the flowline's proposed in the APD. Since it follows the proposed access road the 1500 foot flowline is probably covered under the same archaeology survey. Proper right-of-way from BIA is needed prior to installation of the flowline for this well.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: ENRON 43-047-32283

WELL NAME: NBU 309-20E

Section 20 Township 9S Range 21E County UINTAH

Drilling Contractor VECO

Rig # 5

SPUDDED: Date 8/8/92

Time 1:00 PM

How DRY HOLE

Drilling will commence \_\_\_\_\_

Reported by ED TROTTER

Telephone # 1-789-0790

Date 8/10/92 SIGNED FRM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires September 30, 1990

**SUNDRY NOTICE AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT --" for such proposals

**SUBMIT IN TRIPLICATE**

**RECEIVED**  
 AUG 14 1992  
 DIV. OIL, GAS, MINING

<p>1. Type of Well</p> <p style="padding-left: 20px;"> <input type="checkbox"/> Oil WELL              <input checked="" type="checkbox"/> Gas Well              <input type="checkbox"/> Other       </p> <p>2. Name of Operator <b>ENRON OIL &amp; GAS COMPANY</b></p> <p>3. Address and Telephone No. <b>P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331</b></p> <p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>667' FEL - 930' FNL (NE/NE) SECTION 20, T9S, R21E</b></p>	<p>5. Lease Designation and Serial No. <b>U-0575</b></p> <p>6. If Indian, Allottee or Tribe Name <b>UTE TRIBAL SURFACE</b></p> <p>7. If Unit or C.A., Agreement Designation <b>NATURAL BUTTES UNIT</b></p> <p>8. Well Name and No. <b>NATURAL BUTTES UNIT 309-20E</b></p> <p>9. API Well No. <b>43-047-32283</b></p> <p>10. Field and Pool or Exploratory Area <b>NATURAL BUTTES/WASATCH</b></p> <p>11. COUNTY STATE <b>UINTAH, UTAH</b></p>
--	--

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 checked="" type="checkbox"/> SUBSEQUENT REPORT <input type="checkbox"/> FINAL ABANDONMENT NOTICE	<table style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ABANDONMENT  <input type="checkbox"/> RECOMPLETION  <input type="checkbox"/> PLUGGING BACK  <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> ALTERING CASING  <input checked="" type="checkbox"/> OTHER           </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CHANGE OF PLANS  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> NON-ROUTINE FRACTURING  <input type="checkbox"/> WATER SHUT-OFF  <input type="checkbox"/> CONVERSION TO INJECTION           </td> <td style="width: 33%;"></td> </tr> </table> <p style="text-align: center; font-size: small;">(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)</p>	<input type="checkbox"/> ABANDONMENT <input type="checkbox"/> RECOMPLETION <input type="checkbox"/> PLUGGING BACK <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> ALTERING CASING <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> NON-ROUTINE FRACTURING <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> CONVERSION TO INJECTION	
<input type="checkbox"/> ABANDONMENT <input type="checkbox"/> RECOMPLETION <input type="checkbox"/> PLUGGING BACK <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> ALTERING CASING <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> NON-ROUTINE FRACTURING <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> CONVERSION TO INJECTION			

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

**Enron Oil & Gas Company spudded 12-1/4" surface hole at the subject location at 1:00 pm on 8-7-92. The contractor was Leon Ross Drilling & Construction, Inc. Ed Forsman, of the Vernal BLM District office was notified of spud by telephone on 8-7-92.**

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

SIGNED *Raty Carbo* TITLE Regulatory Analyst DATE 8-12-92

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires September 30, 1990

**SUNDRY NOTICE AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals  
**SUBMIT IN TRIPLICATE**

1. Type of Well Oil <input type="checkbox"/> WELL Gas <input checked="" type="checkbox"/> Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Lease Designation and Serial No. <b>U-0575</b>
2. Name of Operator <b>ENRON OIL &amp; GAS COMPANY</b>		6. If Indian, Allottee or Tribe Name <b>UTE TRIBAL SURFACE</b>
3. Address and Telephone No. <b>P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331</b>		7. If Unit or C.A., Agreement Designation <b>NATURAL BUTTES UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>667' FEL - 930' FNL (NE/NE) SECTION 20, T9S, R21E</b>		8. Well Name and No. <b>NATURAL BUTTES UNIT 309-20B</b>
		9. API Well No. <b>43-047-32283</b>
		10. Field and Pool or Exploratory Area <b>NATURAL BUTTES/WASATCH</b>
		11. COUNTY STATE <b>UINTAH UTAH</b>

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"/> ABANDONMENT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK
	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> ALTERING CASING
	<input checked="" type="checkbox"/> OTHER <b>FIRST SALES</b>
	<input type="checkbox"/> CHANGE OF PLANS
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> CONVERSION TO INJECTION

(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

**FIRST SALES: 11/18/92, 2013 MCFD, 15/64th Choke, TP 1971 psig, CP 2334 psig.**

**RECEIVED**

NOV 23 1992

DIVISION OF  
OIL GAS & MINING

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

SIGNED Jamie Hansen TITLE Engineering Clerk DATE 11/19/92

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE  
 (Other instructions on reverse side)

Form approved.  
 Budget Bureau No. 1004-0135  
 Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
 Use "APPLICATION FOR PERMIT-" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**ENRON OIL & GAS COMPANY**

3. ADDRESS OF OPERATOR  
**P.O. BOX 1815, VERNAL, UTAH 84078**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
 See also space 17 below.)  
 At surface  
**667' FEL & 930' FNL NE/NE**

5. LEASE DESIGNATION AND SERIAL NO.  
**U-0575**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**UTE TRIBAL SURFACE**

7. UNIT AGREEMENT NAME  
**NATURAL BUTTES UNIT**

8. FARM OR LEASE NAME  
**NATURAL BUTTES UNIT**

9. WELL NO.  
**309-20E**

10. FIELD AND POOL OR WILDCAT  
**NBU/WASATCH**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**SEC. 20, T9S, R21E**

14. PERMIT NO.  
**43-047-32283**

15. ELEVATIONS (show whether DF, RY, GR, etc.)  
**4854' GR**

12. COUNTY OR PARISH  
**UINTAH**

13. STATE  
**UTAH**

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF  PULL OR ALTER CASING   
 FRACTURE TREAT  MULTIPLE COMPLETE   
 SHOOT OR ACIDIZE  ABANDON\*   
 REPAIR WELL  CHANGE PLANS   
 (Other) **WATER DISPOSAL METHOD**

SUBSEQUENT REPORT OF:

WATER SHUT-OFF  REPAIRING WELL   
 FRACTURE TREATMENT  ALTERING CASING   
 SHOOTING OR ACIDIZING  ABANDONMENT\*   
 (OTHER)

(NOTE: Report results of multiple completion on Well Completion of Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Enron Oil & Gas Company requests approval to dispose of produced water from the subject well as follows:**

1. Store in above ground tank.
2. Transport by truck to State approved disposal - Ace Oilfield Disposal, Inc.

**Accepted by the State  
 of Utah Division of  
 Oil, Gas and Mining  
 Date: 11-24-92  
 By: [Signature]**

**RECEIVED**

NOV 23 1992

DIVISION OF  
 OIL GAS & MINING

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

SIGNED Linda L. Wall

TITLE *Sr. Admin. Clerk*

DATE

*11/19/92*

APPROVED BY Federal Approval of this TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY *Action is Necessary*

\*See Instructions on Reverse Side

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

OPERATOR ENRON OIL & GAS COMPANY  
 ADDRESS P.O. Box 1815  
Vernal, Utah 84078

OPERATOR ACCT. NO. H 0401

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	02900	→	43-047-32283	NATURAL BUTTES UNIT 309-20E	NENE	20	9S	21E	Uintah	08/08/92	11/18/92

WELL 1 COMMENTS: OPERATOR CHANGE: Changing over to Coastal for reporting. /NO730(x)  
 Entity added 12-9-92. fce

--	--	--	--	--	--	--	--	--	--	--	--

WELL 2 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 3 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 4 COMMENTS:

--	--	--	--	--	--	--	--	--	--	--	--

WELL 5 COMMENTS:

- ACTION CODES (See instructions on back of form)  
 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)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

NOV 23 1992

DIVISION OF OIL GAS & MINING

Linda L. Wain  
 Signature  
 Sr. Admin. Clerk  
 Title  
 11/19/92  
 Date  
 Phone No. (801) 789-0790

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.6.

5 LEASE DESIGNATION AND SERIAL NO.

U-0575

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UTE TRIBAL SURFACE

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES UNIT

9. WELL NO.

309-20E

10. FIELD AND POOL, OR WILDCAT

NATURAL BUTTES/WASATCH

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SECTION 20, T9S, R21E

12. COUNTY OR PARISH

UINTAH

13. STATE

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other

2. NAME OF OPERATOR  
ENRON OIL & GAS COMPANY

DEC 07 1992

3. ADDRESS OF OPERATOR  
P.O. BOX 250, BIG PINEY, WYOMING 83113

DIVISION OF

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 667' FEL - 930' FNL (NE/NE)

OIL GAS & MINING

At top prod. interval reported below SAME  
At total depth SAME

14. PERMIT NO. 43-047-32283  
DATE ISSUED 6-3-92

15. DATE SPUNDED 8-08-92  
16. DATE T.D. REACHED 8-30-92  
17. DATE COMPL. (Ready to prod.) 11/18/92  
18. ELEVATIONS (DF, REB, ST, OR, ETC.)\* 4866' KB  
19. ELEV. CASINGHEAD 4854' PEEP. GL.

20. TOTAL DEPTH, MD & TVD 6873'  
21. PLUG BACK T.D., MD & TVD 6765'  
22. IF MULTIPLE COMPL. HOW MANY\*  
23. INTERVALS DRILLED BY ROTARY TOOLS ROTARY CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5272-6580' (WASATCH)  
25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
FDC-DSN-DLL-Caliper-CBL-VDL-GR-CCL  
27. WAS WELL CORED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.3# H-40	236.79' KB	12-1/4"	125sx Class "G"	NONE
4-1/2"	10.5# J-55	6812.09' KB	7-7/8"	350sx Lite & 650sx-50/05 POZMIX	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					SIZE 2-3/8" DEPTH SET (MD) 6388.90' KB PACKER SET. (MD)

31. PREPARATION RECORD (Interval, size and number)

WASATCH - BUCK CANYON 6291-6328', w/1 SPF  
6580' & 6503'

CHAPITA WELLS 5530-34' w/1 SPF

PETER'S POINT 5272-76' & w/2 SPF  
5280-90'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6291-6328'	46,158 gals borate K-linked, gelle 2% KCl water, 135,700# 20/40 sand 17,400# 16/30 resin coated sand. Maximum pressure 2450 psig. (OVER)

33.\* PRODUCTION

DATE FIRST PRODUCTION 11/18/92  
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  
WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
11-27-92	24	11/64th	→	0 BO	777 MCFD	2 BW	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
1775 psig	1800 psig	→	0 BO	777 MCFD	2 BW		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
SOLD  
TEST WITNESSED BY TOM HUFFORD

35. LIST OF ATTACHMENTS

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

SIGNED Paty Carlson TITLE REGULATORY ANALYST DATE 12-2-92

\*(See Instructions and Spaces for Additional Data on Reverse Side)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-0575

6. If Indian, Allottee or Tribe Name

UTE TRIBAL SURFACE

7. If Unit or CA, Agreement Designation

NATURAL BUTTES UNIT

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

ENRON OIL & GAS COMPANY

3. Address and Telephone No.

P.O. BOX 1815, VERNAL, UTAH 84078 (801) 789-0790

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

667' FEL & 930' FNL NE/NE  
SEC. 20, T9S, R21E

8. Well Name and No.

NBU 309-20E

9. API Well No.

43-047-32283

10. Field and Pool, or Exploratory Area

NBU/WASATCH

11. County or Parish, State

UINTAH, UTAH

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other \_\_\_\_\_
- Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Enron Oil & Gas Company requests approval to dispose of produced water from the subject well as follows:

1. Store in above ground tank.
2. Transport by truck to Enron Oil & Gas Company's Natural Buttes 21-20 SWD Plant.

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

Date: 7-21-93

By: [Signature]

**RECEIVED**

JUL 20 1993

DIVISION OF  
OIL GAS & MINING

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

Signed Luisa L. Wall

Title Sr. Admin. Clerk

Date 7/15/93

(This space for Federal or State office use)

Approved by Federal Approval of this

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any: Action is Necessary

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-0575

6. If Indian, Allottee or Tribe Name

UTE TRIBAL SURFACE

7. If Unit or CA, Agreement Designation

NATURAL BUTTES UNIT

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

ENRON OIL & GAS COMPANY

3. Address and Telephone No.

P.O. BOX 1815, VERNAL, UTAH 84078 (801) 789-0790

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

930' FNL & 667' FEL NE/NE  
SEC. 20, T9S, R21E

8. Well Name and No.

NBU 309-20E

9. API Well No.

43-047-32283

10. Field and Pool, or Exploratory Area

NBU/WASATCH

11. County or Parish, State

UINTAH, UTAH

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other \_\_\_\_\_

- Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Enron Oil & Gas Company requests approval to dispose of produced water from the subject well as follows:

1. Store in above ground tank.
2. Transport by truck to Enron Oil & Gas Company's Natural Buttes 21-20 SWD Plant.

Accepted by \_\_\_\_\_  
of Utah Division of  
Oil, Gas and Mining

Date: 8-30-93

By: [Signature]

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

Signed Linda J. Wall

Title Sr. Admin. Clerk

Date 8/3/93

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any: Federal Approval of this Action is Necessary

Title \_\_\_\_\_

Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires September 30, 1990

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals"

SUBMIT IN TRIPPLICATE

1. Type of Well		Oil Well <input type="checkbox"/>	Gas Well <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	5. Lease Designation and Serial No. <b>U-0575</b>
2. Name of Operator <b>ENRON OIL &amp; GAS COMPANY</b>					6. If Indian, Allottee or Tribe Name <b>UTE TRIBAL SURFACE</b>
3. Address and Telephone No. <b>P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331</b>					7. If Unit or C.A., Agreement Designation <b>NATURAL BUTTES UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>667' FEL - 930' FNL (NE/NE)</b>  <b>SECTION 20, T9S, R21E</b>					8. Well Name and No. <b>NATURAL BUTTES UNIT 309-20E</b>
					9. API Well No. <b>43-047-32283</b>
					10. Field and Pool or Exploratory Area <b>NATURAL BUTTES/WASATCH</b>
					11. COUNTY STATE <b>UNITAH UTAH</b>

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"/> ABANDONMENT
<input type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK
	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> ALTERING CASING
	<input checked="" type="checkbox"/> OTHER WORKOVER
	<input type="checkbox"/> CHANGE OF PLANS
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> CONVERSION TO INJECTION

(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

Enron Oil & Gas Company proposes to workover the subject well by fracture stimulating the existing Wasatch perforations from 5272-76' and 5280-90' with gelled water and 16/30 sand.

RECEIVED

OCT 06 1993

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DIVISION OF  
OIL, GAS & MINING

DATE: 10-26-93  
BY: [Signature]

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

SIGNED [Signature] TITLE Engineering Clerk DATE 10/04/93

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes 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  
Budget Bureau No. 1004-0135  
Expires September 30, 1990

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals"

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well       Gas Well       Other

2. Name of Operator  
**ENRON OIL & GAS COMPANY**

3. Address and Telephone No.  
**P.O. BOX 250, BIG PINEY, WY 83113      (307) 276-3331**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**667' FEL - 930' FNL (NE/NE)**  
  
**SECTION 20, T9S, R21E**

5. Lease Designation and Serial No.  
**U-0575**

6. If Indian, Allottee or Tribe Name  
**UTE TRIBAL SURFACE**

7. If Unit or C.A., Agreement Designation  
**NATURAL BUTTES UNIT**

8. Well Name and No.  
**NATURAL BUTTES UNIT 309-20E**

9. API Well No.  
**43-047-32283**

10. Field and Pool or Exploratory Area  
**NATURAL BUTTES/WASATCH**

11. COUNTY STATE  
**UNITAH UTAH**

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"/> ABANDONMENT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK
	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> ALTERING CASING
	<input checked="" type="checkbox"/> OTHER WORKOVER
	<input type="checkbox"/> CHANGE OF PLANS
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> CONVERSION TO INJECTION

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

Enron Oil & Gas Company completed the PB zone in the Wasatch formation of the subject well as follows:

1. Fracture stimulated perms @ 5272-5290' w/20,118 gals borate x-linked 2% KCl water & 45,170# 16/30 sand.
2. Landed tubing @ 6389' KB.
3. Placed well on production 10/10/93, 184 MCFD, 0 BC, 20 BW, TP 340 PSIG, CP 500 PSIG.



NOV 1 1993

DIVISION OF  
OIL, GAS & MINING

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

SIGNED *Kendal Conroy* TITLE Engineering Clerk DATE 10/28/93

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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

FORM 9

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.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
7. UNIT or CA AGREEMENT NAME:  
8. WELL NAME and NUMBER:  
Exhibit "A"  
9. API NUMBER:  
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_  
2. NAME OF OPERATOR:  
El Paso Production Oil & Gas Company  
3. ADDRESS OF OPERATOR:  
8 South 1200 East CITY Vernal STATE Utah ZIP 84078  
PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ 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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.  
See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation  
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President  
SIGNATURE [Signature] DATE 06-15-01

El Paso Production Oil & Gas Company  
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President  
SIGNATURE [Signature] DATE 06-15-01

(This space for State use only)

**RECEIVED**  
JUN 19 2001  
DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
Office of the Secretary of State

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PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

(JUN 19 2001)

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

**CERTIFICATE OF AMENDMENT**

**OF**

**CERTIFICATE OF INCORPORATION**

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

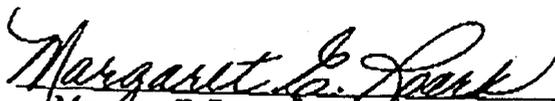
THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

  
\_\_\_\_\_  
David L. Siddall  
Vice President

Attest:

  
\_\_\_\_\_  
Margaret E. Roark, Assistant Secretary

**RECEIVED**

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

**RECEIVED**

JUL 12 2001

**DIVISION OF  
OIL, GAS AND MINING**

In Reply Refer To:  
3106  
UTSL-065841  
(UT-924)

JUL 10 2001

### NOTICE

El Paso Production Oil & Gas Company : Oil and Gas  
Nine Greenway Plaza :  
Houston TX 77046-0095 :

#### Name Change Recognized

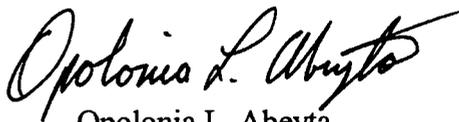
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
~~State of Utah, DOGM~~, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

## Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS
2. CDW ✓		5-LP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** Merger

The operator of the well(s) listed below has changed, effective: **3-09-2001**

<b>FROM: (Old Operator):</b>
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

<b>TO: ( New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

**CA No.**

**Unit: NATURAL BUTTES**

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 306-18E	43-047-32282	2900	18-09S-21E	FEDERAL	GW	P
CIGE 201-18-9-21	43-047-32804	2900	18-09S-21E	FEDERAL	GW	P
NBU 382-18E	43-047-33064	2900	18-09S-21E	FEDERAL	GW	P
NBU CIGE 6-19-9-21	43-047-30356	2900	19-09S-21E	FEDERAL	GW	P
CIGE 112D-19-9-21	43-047-31945	2900	19-09S-21E	FEDERAL	GW	P
CIGE 131-19-9-21	43-047-32029	2900	19-09S-21E	FEDERAL	GW	P
CIGE 130-19-9-21	43-047-32030	2900	19-09S-21E	FEDERAL	GW	P
CIGE 218-19-9-21	43-047-32921	2900	19-09S-21E	FEDERAL	GW	P
NBU 483-19E	43-047-33065	2900	19-09S-21E	FEDERAL	GW	P
NBU 25-20B	43-047-30363	2900	20-09S-21E	FEDERAL	GW	P
CIGE 70-20-9-21	43-047-30636	2900	20-09S-21E	FEDERAL	GW	P
<b>NBU 309-20E</b>	43-047-32283	2900	20-09S-21E	FEDERAL	GW	P
CIGE 183-20-9-21	43-047-32656	2900	20-09S-21E	FEDERAL	GW	P
NBU CIGE 46-21-9-21	43-047-30529	2900	21-09S-21E	FEDERAL	GW	P
NBU CIGE 37D-21-9-21	43-047-30910	2900	21-09S-21E	FEDERAL	GW	P
CIGE 113D-21-9-21	43-047-31944	2900	21-09S-21E	FEDERAL	GW	P
NBU 106	43-047-31946	2900	21-09S-21E	FEDERAL	GW	P
NBU 127	43-047-31963	2900	21-09S-21E	FEDERAL	GW	P
NBU 128	43-047-31964	2900	21-09S-21E	FEDERAL	GW	P
CIGE 158-21-9-21	43-047-32158	2900	21-09S-21E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
- Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted on: N/A
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: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communitization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: 07/10/2001
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: N/A

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**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/31/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/31/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: WY 2793

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**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (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: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: \_\_\_\_\_

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: \_\_\_\_\_

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**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

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JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**410 Seventeenth Street #2300 Denver Colorado 80202-4436  
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior  
Bureau of Land Management  
2850 Youngfield Street  
Lakewood, CO 80215-7093  
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203  
BLM Nationwide Bond 158626364  
Surety - Continental Casualty Company  
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.  
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.  
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.  
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,  
Westport Oil and Gas Company, L.P.

Debby J. Black  
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

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

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas  
410 Seventeenth Street, #2300 :  
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

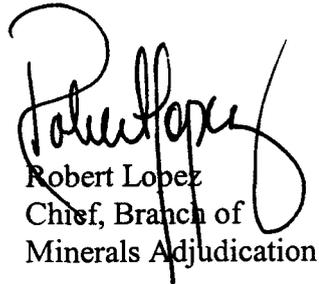
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405  
UTU-20895  
UTU-25566  
UTU-43156  
UTU-49518  
UTU-49519  
UTU-49522  
UTU-49523



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.



CC: Minerals & Mining Section of RES  
Ute Energy & Mineral Resources Department: Executive Director  
chronos



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
Washington, D.C. 20240

FEB 1 0 2003

IN REPLY REFER TO:  
Real Estate Services.

Carroll A. Wilson  
Principal Landman  
Westport Oil and Gas Company, L.P.  
1368 South 1200 East  
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.  
Attn: Gary D. Williamson  
1670 Broadway, Suite 2800  
Denver, Colorado 80202

Re: Natural Buttes Unit  
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
Minerals Adjudication Group  
File - Natural Buttes Unit (w/enclosure)  
Agr. Sec. Chron  
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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.

5. LEASE DESIGNATION AND SERIAL NUMBER: \_\_\_\_\_

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: \_\_\_\_\_

7. UNIT or CA AGREEMENT NAME: \_\_\_\_\_

8. WELL NAME and NUMBER:  
**Exhibit "A"**

9. API NUMBER: \_\_\_\_\_

10. FIELD AND POOL, OR WILDCAT: \_\_\_\_\_

1. TYPE OF WELL      OIL WELL       GAS WELL       OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**El Paso Production Oil & Gas Company**

3. ADDRESS OF OPERATOR:      PHONE NUMBER:  
**9 Greenway Plaza      Houston      STATE TX      ZIP 77064-0995      (832) 676-5933**

4. LOCATION OF WELL

FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: **UTAH**

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

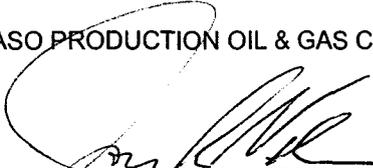
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # \_\_\_\_\_  
State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

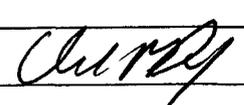
EL PASO PRODUCTION OIL & GAS COMPANY

By:   
Jon R. Nelsen, Attorney-in-Fact

**RECEIVED**  
**FEB 28 2003**  
DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT) David R. Dix TITLE Agent and Attorney-in-Fact

SIGNATURE  DATE 12/17/02

(This space for State use only)

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.

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

5. Lease Serial No.  
**SEE ATTACHED EXHIBIT "A"**  
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.

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
**SEE ATTACHED EXHIBIT "A"**

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

9. API Well No.  
**SEE ATTACHED EXHIBIT "A"**

3a. Address  
**P.O. BOX 1148 VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7023**

10. Field and Pool, or Exploratory Area

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

**SEE ATTACHED EXHIBIT "A"**

11. County or Parish, State  
**UINTAH COUNTY, UT**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>SUCCESSOR OF OPERATOR</b>
	<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 then. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zc 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 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 testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED  
MAR 04 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)  
**CHERYL CAMERON**

Title  
**OPERATIONS**

Signature

Date  
**March 4, 2003**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

**OPERATOR CHANGE WORKSHEET**

1. GLH
2. CDW /
3. FILE

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

<b>FROM: (Old Operator):</b>	<b>TO: (New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

**CA No. Unit: NATURAL BUTTES**

<b>WELL(S)</b>						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
CIGE 128-18-9-21	18-09S-21E	43-047-32046	2900	FEDERAL	GW	PA
CIGE 129-18-9-21	18-09S-21E	43-047-32043	2900	FEDERAL	GW	P
NBU 304-18E	18-09S-21E	43-047-32130	2900	FEDERAL	GW	P
NBU 306-18E	18-09S-21E	43-047-32282	2900	FEDERAL	GW	P
NBU 382-18E	18-09S-21E	43-047-33064	2900	FEDERAL	GW	P
CIGE 257	18-09S-21E	43-047-34666	99999	FEDERAL	GW	APD
CIGE 218-19-9-21	19-09S-21E	43-047-32921	2900	FEDERAL	GW	P
NBU 483-19E	19-09S-21E	43-047-33065	2900	FEDERAL	GW	P
CIGE 112D-19-9-21	19-09S-21E	43-047-31945	2900	FEDERAL	GW	P
CIGE 131-19-9-21	19-09S-21E	43-047-32029	2900	FEDERAL	GW	P
CIGE 130-19-9-21	19-09S-21E	43-047-32030	2900	FEDERAL	GW	P
CIGE 258	19-09S-21E	43-047-34667	99999	FEDERAL	GW	APD
NBU 50-19B	19-09S-21E	43-047-30453	2900	FEDERAL	GW	PA
NBU 309-20E	20-09S-21E	43-047-32283	2900	FEDERAL	GW	P
NBU 25-20B	20-09S-21E	43-047-30363	2900	FEDERAL	GW	P
CIGE 70-20-9-21	20-09S-21E	43-047-30636	2900	FEDERAL	GW	P
CIGE 183-20-9-21	20-09S-21E	43-047-32656	2900	FEDERAL	GW	P
NBU 484-20E	20-09S-21E	43-047-33784	2900	FEDERAL	GW	P
NBU 414-20E	20-09S-21E	43-047-34779	99999	FEDERAL	GW	APD
NBU 415-20E	20-09S-21E	43-047-34489	99999	FEDERAL	GW	APD

**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: 02/28/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted on: \_\_\_\_\_

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **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-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **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: N/A

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 03/11/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/11/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: RLB 0005236

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 158626364

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: RLB 0005239

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (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: N/A

**COMMENTS:**

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Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
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:		<b>1/6/2006</b>
<b>FROM:</b> (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO:</b> ( 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 <b>CHANGE OF OPERATOR</b>
	<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) <b>RANDY BAYNE</b>	Title <b>DRILLING MANAGER</b>
Signature <i>Randy Bayne</i>	Date <b>May 9, 2006</b>

**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 <b>CHANGE OF OPERATOR</b>

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) <b>BRAD LANEY</b>	Title <b>ENGINEERING SPECIALIST</b>
Signature	Date <b>May 9, 2006</b>

THIS SPACE FOR FEDERAL OR STATE USE

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

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



## United States Department of the Interior

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

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

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

#### Merger/Name Change - Recognized

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

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

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

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

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

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

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

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

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

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

**Attachment:**

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

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

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior



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

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

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

RECEIVED

MAR 28 2006

DIV. OF OIL, GAS & MINERAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
Multiple Leases

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
EOG Resources, Inc

3a. Address  
1060 EAST HIGHWAY 40, VERNAL, UT 84078

3b. Phone No. (include area code)  
435-781-9145

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

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

8. Well Name and No.  
Multiple Wells

9. API Well No.  
See Attached

10. Field and Pool or Exploratory Area  
Natural Buttes

11. Country or Parish, State  
Utah, Utah

12. CHECK THE 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<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 Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. has assigned all of its right, title and interest in the wells described in the attached list ("the Subject Wells") to Kerr-McGee Oil & Gas Onshore LP and will relinquish and transfer operatorship of all of the Subject Wells to Kerr-McGee Oil & Gas Onshore LP on January 1, 2010.

As of January 1, 2010, Kerr-McGee Oil & Gas Onshore LP will be considered to be the operator of each of the Subject Wells and will be responsible under the terms and conditions of the applicable lease for the operations conducted upon the leased lands. Bond coverage is provided under Kerr-McGee Oil & Gas Onshore LP's Nationwide BLM Bond No. WYB-000291.

Kerr-McGee Oil & Gas Onshore LP  
1099 18th Street, Suite 1800  
Denver, CO 80202-1918

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only *ER 1/31/2010*

By: Michael A. Nixon Date: 12/17/2009  
Michael A. Nixon  
Agent and Attorney-in-Fact

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

Name (Printed/Typed)  
J. Michael Schween

Title Agent and Attorney-in-Fact

Signature [Signature] Date 12/17/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

RECEIVED

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date **DEC 24 2009**

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 **DIV. OF OIL, GAS & MINING**

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.

Lease #	API #	Well Name	Footages	Legal Description
UTUO2270A	4304730261	NBU 1-07B	1975' FNL 1850' FWL	T10S-R21E-07-SESW
UTUO144868	4304730262	NBU 2-15B	1630' FSL 2125' FEL	T09S-R20E-15-NWSE
ML22651	4304730267	NBU 3-02B	1819' FNL 716' FWL	T10S-R22E-02-SWNW
UTUO10954A	4304730273	NBU 4-35B	2037' FNL 2539' FWL	T09S-R22E-35-SESW
ML22650	4304730272	NBU 5-36B	1023' FNL 958' FWL	T09S-R22E-36-NWNW
UTUO1791	4304730278	NBU 7-09B	330' FSL 1600' FWL	T10S-R21E-09-SESW
UTUO1207 ST	4304730274	NBU 10-29B	1100' FSL 1540' FEL	T09S-R22E-29-SWSE
UTUO1791	4304730294	NBU 13-08B	1600' FSL 1300' FEL	T10S-R21E-08-NESE
UTUO581	4304730296	NBU 15-29B	821' FNL 687' FWL	T09S-R21E-29-NWNW
UTUO1791	4304730316	NBU 16-06B	330' FSL 900' FEL	T10S-R21E-06-SESE
UTUO2270A	4304730317	NBU 17-18B	1014' FSL 2067' FEL	T10S-R21E-18-SWSE
UTUO144869	4304730328	NBU 19-21B	2015' FNL 646' FEL	T09S-R20E-21-SENE
UTUO575	4304730363	NBU 25-20B	1905' FNL 627' FWL	T09S-R21E-20-SWNW
UTU4485	4304730364	NBU 26-13B	600' FSL 661' FEL	T10S-R20E-13-SESE
UTUO1393B	4304730367	NBU 28-04B	529' FNL 2145' FWL	T10S-R21E-04-NENW
UTUO1393B	4304730368	NBU 29-05B	398' FSL 888' FWL	T10S-R21E-05-SESE
UTUO575	4304730380	NBU 30-18B	1895' FSL 685' FEL	T09S-R21E-18-NESE
ML01197A	4304730385	NBU 31-12B	565' FNL 756' FWL	T10S-R22E-12-NWNW
UTU461	4304730396	NBU 33-17B	683' FSL 739' FWL	T09S-R22E-17-SWSW
UTUO575	4304730404	NBU 34-17B	210' FNL 710' FEL	T09S-R21E-17-NENE
UTUO149767	4304730397	NBU 35-08B	1830' FNL 660' FWL	T09S-R21E-8-SWNW
UTUO144878B	4304730470	NBU 49-12B	551' FSL 1901' FEL	T09S-R20E-12-SWSE
UTUO140225	4304730473	NBU 52-01B	659' FSL 658' FEL	T09S-R21E-01-SESE
UTUO141315	4304730474	NBU 53-03B	495' FSL 601' FWL	T09S-R21E-03-SWSW
ML21510	4304730475	NBU 54-02B	660' FSL 660' FWL	T09S-R21E-02-SWSW
UTUO1193	4304730464	NBU 57-12B	676' FSL 1976' FEL	T09S-R21E-12-SWSE
UTUO1198B	4304730463	NBU 58-23B	1634' FNL 2366' FEL	T10S-R22E-23-SWNE
UTUO37167	4304730477	NBU 62-35B	760' FNL 2252' FEL	T10S-R22E-35-NWNE
UTU10186	4304730466	NBU 63-12B	1364' FNL 1358' FEL	T10S-R20E-12-SWNE
UTUO37167	4304730577	NBU 70-34B	1859' FSL 2249' FWL	T10S-R22E-34-NESW
UTU4476	4304730578	NBU 71-26B	1877' FNL 528' FEL	T10S-R20E-26-SENE
UTUO141315	4304731150	NBU 202-03	898' FSL 1580' FEL	T09S-R21E-03-SWSE
UTUO1791	4304731238	NBU 205-08	1432' FSL 1267' FWL	T10S-R21E-08-NWSW
UTUO1791	4304731165	NBU 206-09	1789' FNL 1546' FWL	T10S-R21E-09-SESW
UTUO1393B	4304731177	NBU 207-04	1366' FSL 1445' FWL	T10S-R21E-04-NESW
UTUO149076	4304731153	NBU 210-24	1000' FSL 1000' FWL	T09S-R21E-24-SWSW
UTUO284	4304731156	NBU 211-20	916' FSL 822' FEL	T09S-R22E-20-SESE
UTUO284	4304731267	NBU 212-19	289' FSL 798' FWL	T09S-R22E-19-SWSW
UTU22650	4304731268	NBU 213-36J	597' FNL 659' FEL	T09S-R22E-36-NENE
ML22651	4304731282	NBU 217-02	2045' FSL 766' FWL	T10S-R22E-02-NWSW
UTUO2270A	4304731310	NBU 218-17	2600' FNL 1500' FWL	T10S-R21E-17-SESW
UTUO149076	4304731308	NBU 219-24	1300' FNL 500' FWL	T09S-R21E-24-NWNW
UTUO149076	4304732131	NBU 301-24E	700' FSL 2450' FEL	T09S-R21E-24-SWSE
UTUO1791	4304732010	NBU 302-09E	1899' FSL 912' FWL	T10S-R21E-09-NWSW
UTUO575	4304732130	NBU 304-18E	782' FSL 1783' FEL	T09S-R21E-18-SWSE
UTUO149767	4304732135	NBU 305-07E	670' FNL 1950' FWL	T09S-R21E-07-NENW
UTUO581	4304732282	NBU 306-18E	1604' FSL 2797' FWL	T09S-R21E-18-NESW
UTUO1791	4304732014	NBU 307-06E	1979' FSL 2000' FEL	T10S-R21E-06-NWSE
UTUO284	4304732202	NBU 308-20E	1503' FSL 954' FWL	T09S-R22E-20-NWSW
UTUO575	4304732283	NBU 309-20E	930' FNL 667' FEL	T09S-R21E-20-NENE
UTUO149075	4304732203	NBU 311-23E	1101' FSL 1978' FEL	T09S-R21E-23-SWSE
UTUO581	4304732378	NBU 313-29E	1000' FNL 660' FEL	T09S-R21E-29-NENE
UTUO141315	4304732271	NBU 314-03E	1045' FSL 2584' FWL	T09S-R21E-03-SESW
UTUO575	4304732381	NBU 316-17E	1935' FNL 1067' FWL	T09S-R21E-17-SWNW
UTUO144868B	4304732362	NBU 317-12E	867' FNL 701' FEL	T09S-R20E-12-NENE
UTUO2270A	4304737511	NBU 319-17E	807' FNL 990' FWL	T10S-R21E-17-NWNW
UTUO1188	4304732379	NBU 321-10E	940' FSL 2508' FWL	T09S-R21E-10-SESW
UTUO575B	4304732376	NBU 325-08E	832' FSL 669' FWL	T09S-R21E-08-SWSW
UTUO1393B	4304733697	NBU 326-04E	1906' FNL 695' FWL	T10S-R21E-04-SWNW
UTUO1393B	4304739303	NBU 327-05E	1117' FNL 942' FEL	T10S-R21E-05-NENE (LOT 1)
UTU4485	4304732386	NBU 328-13E	1766' FSL 1944' FWL	T10S-R20E-13-NESW
UTUO1207 ST	4304732229	NBU 329-29E	2490' FNL 949' FEL	T09S-R22E-29-SENE

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Lease #	API #	Well Name	Footages	Legal Description
UTUO10954A	4304732147	NBU 331-35E	1531' FNL 1153' FEL	T09S-R22E-35-SENE
UTUO1791	4304732148	NBU 332-08E	955' FSL 2508' FEL	T10S-R21E-08-SWSE
ML21510	4304732518	NBU 333-02E	1951' FSL 2245' FWL	T09S-R21E-02-NESW
UTUO149075	4304732265	NBU 335-23E	1419' FNL 828' FEL	T09S-R21E-23-SENE
UTUO149076	4304732264	NBU 336-24E	2024' FNL 1958' FWL	T09S-R21E-24-SENW
UTUO284	4304732281	NBU 339-19E	1890' FSL 674' FWL	T09S-R22E-19-NWSW
UTUO284B	4304732327	NBU 340-20E	1326' FSL 2569' FEL	T09S-R22E-20-NWSE
UTUO1207 ST	4304733055	NBU 341-29E	307' FSL 898' FEL	T09S-R22E-29-SESE
UTUO10954A	4304732212	NBU 342-35E	918' FNL 2563' FEL	T09S-R22E-35-NWNE
UTUO1393B	4304739338	NBU 346-05E	2233' FSL 676' FEL	T10S-R21E-05-NESE
UTUO575B	4304732326	NBU 349-07E	1641' FNL 1036' FWL	T09S-R21E-07-SWNW
UTUO1188	4304732519	NBU 352-10E	1806' FSL 842' FWL	T09S-R21E-10-NWSW
UTUO581	4304732383	NBU 356-29E	1600' FNL 1980' FEL	T09S-R21E-29-SWNE
UTUO2270A	4304732388	NBU 358-01E	736' FSL 1941' FEL	T10S-R20E-01-SWSE
UTU4485	4304750032	NBU 359-13E	661' FSL 2149' FEL	T10S-R20E-13-SWSE
UTU4485	4304732387	NBU 360-13E	1998' FSL 775' FWL	T10S-R20E-13-NWSW
ML21510	4304733782	NBU 379-02E	1967' FSL 898' FWL	T09S-R21E-02-NWSW
UTUO575	4304733064	NBU 382-18E	2030' FSL 2172' FEL	T09S-R21E-18-NWSE
UTUO149075	4304735889	NBU 384-23E	491' FSL 929' FEL	T09S-R21E-23-SESE
UTUO149076	4304733056	NBU 386-24E	450' FSL 1850' FWL	T09S-R21E-24-SESW
UTUO284	4304733057	NBU 388-19E	382' FSL 1847' FWL	T09S-R22E-19-SESW
UTUO1207 ST	4304733049	NBU 389-29E	2226' FSL 2166' FEL	T09S-R22E-29-NWSE
UTUO1393B	4304732835	NBU 390-04E	2577' FSL 1951' FWL	T10S-R21E-04-NESW
UTUO1393B	4304732988	NBU 391-05E	1215' FSL 2090' FEL	T10S-R21E-05-SWSE
UTUO1791	4304733783	NBU 392-06E	1926' FSL 611' FEL	T10S-R21E-06-NESE
UTU4485	4304733071	NBU 393-13E	1850' FSL 2141' FEL	T10S-R20E-13-NWSE
UTU4485	4304733072	NBU 394-13E	725' FSL 2027' FWL	T10S-R20E-13-SESW
UTUO1188	4304732544	NBU 400-11E	1983' FSL 1321' FWL	T09S-R21E-11-NESW
UTUO581	4304734216	NBU 421-29E	1985 FNL, 972 FEL	T09S-R21E-29-SENE
UTUO581	4304733698	NBU 422-29E	1980' FNL 785' FWL	T09S-R21E-29-SWNW
UTUO581	4304734206	NBU 423-30E	1980' FSL 660' FEL	T09S-R21E-30-NESE
ML3142	4304733699	NBU 424-32E	744' FNL 773' FEL	T09S-R21E-32-NENE
UTUO2270A	4304740049	NBU 428-07E	660' FSL 855' FWL	T10S-R21E-07-SWSW (Lot 4)
UTUO1791	4304733069	NBU 431-09E	2599' FNL 662' FWL	T10S-R21E-09-SWNW
UTUO2270A	4304738536	NBU 434-17E	1799' FNL 2176' FWL	T10S-R21E-17-SENW
UTUO2270A	4304738376	NBU 435-17E	1837' FNL 571' FWL	T10S-R21E-17-SWNW
UTUO2270A	4304734195	NBU 436-18E	1644' FSL 748' FEL	T10S-R21E-18-NESE
UTUO2270A	4304735499	NBU 437-18E	322' FSL 748' FEL	T10S-R21E-18-SESE
ML22792	4304737534	NBU 438-19E	661' FNL 1941' FEL	T10S-R21E-19-NWNE
ML22792	4304737535	NBU 439-19E	2111' FNL 1980' FWL	T10S-R21E-19-SWNE
UTUO10953	4304736279	NBU 451-01E	1965' FSL 2132' FWL	T10S-R22E-01-NESW
ML22651	4304736053	NBU 456-02E	493' FNL 1080' FWL	T10S-R22E-02-NWNW (Lot 4)
UTUO141315	4304733063	NBU 481-03E	1490' FSL 556' FEL	T09S-R21E-03-NESE
UTUO581	4304733065	NBU 483-19E	1850' FSL 1980' FWL	T09S-R21E-19-NESW
UTUO575	4304733784	NBU 484-20E	350' FNL 823' FWL	T09S-R21E-20-NWNW
UTUO2270A	4304739897	NBU 486-07E	1895 FSL' 1834' FWL	T10S-R21E-07-NESW
UTUO575B	4304733121	NBU 489-07E	763' FSL 733' FWL	T09S-R21E-07-SWSW (Lot 4)
UTUO2270A	4304733123	NBU 497-01E	2091' FSL 894' FEL	T10S-R20E-01-NESE
UTUO577A	4304733140	NBU 506-23E	720' FNL 1818' FWL	T09S-R20E-23-NENW
UTUO1791	4304733124	NBU 508-08E	915' FSL 355' FEL	T10S-R21E-08-SESE
UTUO1197A ST	4304739283	NBU 513-12EX	1850' FNL 2133' FWL	T10S-R22E-12-SENW
UTUO2270A	4304733696	NBU 516-12E	1950' FSL 1786' FEL	T10S-R20E-12-NWSE
UTUO141315	4304733779	NBU 519-03E	1749' FSL 798' FWL	T09S-R21E-03-NWSW
UTUO575B	4304733780	NBU 521-08E	2250' FSL 900' FWL	T09S-R21E-08-NWSW
UTUO1188	4304733781	NBU 522-10E	732' FSL 841' FEL	T09S-R21E-10-SESE
UTUO2270A	4304733685	NBU 523-12E	660' FSL 660' FEL	T10S-R20E-12-SESE
UTUO2270A	4304733701	NBU 524-12E	841' FSL 1795' FEL	T10S-R20E-12-SWSE
UTUO2270A	4304739722	NBU 529-07E	704' FNL 762' FWL	T10S-R21E-07-NWNW
UTUO581	4304734639	NBU 534-18E	1885' FSL 115' FWL	T09S-R21E-18-NWSW
UTUO2270A	4304735200	NBU 535-17E	1893' FSL 580' FWL	T10S-R21E-17-NWSW
ML22791	4304735252	NBU 536-18E	734' FSL 2293' FWL	T10S-R21E-18-SESW
UTUO2270A	4304735253	NBU 537-18E	1880' FSL 1830' FEL	T10S-R21E-18-NWSE

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Lease #	API #	Well Name	Footages	Legal Description
UTUO284	4304735886	NBU 538-19E	1937' FSL 1833' FWL	T09S-R22E-19-NESW
UTUO149076	4304735887	NBU 539-24E	1870' FSL 477' FEL	T09S-R21E-24-NESE
UTUO10953	4304736280	NBU 546-01E	2036' FSL 699' FWL	T10S-R22E-01-NWSW
UTUO10953	4304736278	NBU 547-01E	749' FSL 598' FWL	T10S-R22E-01-SWSW
UTU474	4304737687	NBU 553-28E	767' FNL 753' FWL	T10S-R22E-28-NWNW
UTU474	4304737686	NBU 554-28E	2023' FNL 465' FWL	T10S-R22E-28-SWNW
ML22791	4304737685	NBU 555-18E	1984' FSL 1790' FWL	T10S-R21E-18-NESW
ML22791	4304737514	NBU 556-18E	1800' FSL 870' FWL	T10S-R21E-18-NWSW
ML22791	4304737513	NBU 557-18E	852' FSL 661' FWL	T10S-R21E-18-SWSW
UTUO2270A	4304737510	NBU 558-17E	748' FSL 611' FWL	T10S-R21E-17-SWSW
UTUO2278C	4304737509	NBU 559-17E	467' FSL 2065' FWL	T10S-R21E-17-SESW
UTUO2278	4304737508	NBU 560-17E	1946' FSL 1896' FWL	T10S-R21E-17-NESW
UTUO2278	4304737512	NBU 561-17E	857' FSL 1988' FEL	T10S-R21E-17-SWSE
ML22792	4304737536	NBU 562-19E	859' FNL 859' FEL	T10S-R21E-19-NENE
ML22792	4304737537	NBU 563-19E	1982' FSL 1878' FEL	T10S-R21E-19-NWSE
UTU4476	4304738962	NBU 564-26E	665' FNL 1945' FWL	T10S-R20E-26-NENW
ML22793	4304737533	NBU 565-30E	1865' FNL 1786' FEL	T10S-R21E-30-SWNE
UTUO2270A	4304738375	NBU 566-17E	538' FNL 1806' FWL	T10S-R21E-17-NENW
UTUO1791	4304738535	NBU 567-17E	690' FNL 1988' FEL	T10S-R21E-17-NWNE
UTUO1791	4304738537	NBU 568-17E	850' FNL 807' FEL	T10S-R21E-17-NENE
UTUO1791	4304738534	NBU 569-17E	2009' FNL 1809' FEL	T10S-R21E-17-SWNE
UTUO1791	4304738529	NBU 570-17E	2031' FNL 672' FEL	T10S-R21E-17-SENE
UTUO2278	4304738377	NBU 571-17E	1964' FSL 1831' FEL	T10S-R21E-17-NWSE
UTUO2278	4304738374	NBU 572-17E	1810' FSL 739' FEL	T10S-R21E-17-NESE
UTUO2278	4304738510	NBU 573-17E	813' FSL 481' FEL	T10S-R21E-17-SESE
ML22650	4304739308	NBU 602-36E	1723' FNL 719' FWL	T09S-R22E-36-SWNW
UTUO1393B	4304739305	NBU 614-05E	716' FNL 1967' FEL	T10S-R21E-05-NWNE
UTUO1393B	4304739655	NBU 615-05E	2384' FNL 1015' FEL	T10S-R21E-05-SENE
UTUO1393B	4304739337	NBU 617-04E	933' FNL 745' FWL	T10S-R21E-04-NWNW
UTUO1393B	4304739336	NBU 618-04E	998' FSL 661' FWL	T10S-R21E-04-SWSW
UTUO1393B	4304739414	NBU 625-04E	1937' FNL 1722' FWL	T10S-R21E-04-SENW
UO01197A ST	4304739192	NBU 632-12E	860' FNL 2032' FWL	T10S-R22E-12-NENW
UO01197A ST	4304739193	NBU 633-12E	789' FNL 2179' FEL	T10S-R22E-12-NWNE
UO01197A ST	4304739190	NBU 635-12E	1808' FNL 1754' FEL	T10S-R22E-12-SWNE
UTUO1197A ST	4304739191	NBU 636-12E	1824' FNL 461' FEL	T10S-R22E-12-SENE
UTUO8512 ST	4304750016	NBU 638-13E	1926' FNL 2504' FWL	T10S-R22E-13-SENW
UTUO8512 ST	4304750019	NBU 639-13E	859' FNL 1902' FEL	T10S-R22E-13-NWNE
UTUO8512 ST	4304750014	NBU 640-13E	1619' FNL 1639' FEL	T10S-R22E-13-SWNE
UTUO8512A ST	4304750058	NBU 641-13E	990' FNL 1184' FEL	T10S-R22E-13-NENE
UTUO8512 ST	4304750013	NBU 642-13E	1949' FNL 858' FEL	T10S-R22E-13-SENE
UTUO2270A	4304739957	NBU 653-07E	660' FNL 1980' FWL	T10S-R21E-07-NENW
UTUO2270A	4304739956	NBU 654-07E	1913' FNL 522' FWL	T10S-R21E-07-SWNW
UTUO2270A	4304739860	NBU 655-07E	1926' FSL 750' FWL	T10S-R21E-07-NWSW
UTUO1791	4304739856	NBU 658-01E	2177' FNL 1784' FEL	T10S-R20E-01-SWNE
UTUO2270A	4304739858	NBU 660-12E	661' FNL 691' FEL	T10S-R20E-12-NENE
ML22790	4304750011	NBU 661-24E	1734' FSL 661' FWL	T10S-R20E-24-NWSW
ML22790	4304750017	NBU 662-24E	809' FSL 807' FWL	T10S-R20E-24-SWSW
ML22790	4304750010	NBU 663-24E	810' FSL 1979' FWL	T10S-R20E-24-SESW
ML22790	4304739867	NBU 664-24E	1810' FNL 1781' FEL	T10S-R20E-24-NWSE
ML22790	4304750018	NBU 665-24E	1950' FSL 660' FEL	T10S-R20E-24-NESE
ML22790	4304750057	NBU 666-24E	1043' FSL 1722' FEL	T10S-R20E-24-SWSE
ML22790	4304750012	NBU 667-24E	660' FSL 660' FEL	T10S-R20E-24-SESE
UTUO2270A	4304739901	NBU 668-12E	859' FNL 1915' FEL	T10S-R20E-12-NWNE
UO1207 ST	4304740084	NBU 670-29E	2018' FSL 859' FEL	T09S-R22E-29-NESE
UO1207 ST	4304750027	NBU 691-29E	680' FNL 797' FEL	T09S-R22E-29-NENE
ML3140.5	4304738330	NBU 760-36E	1320' FNL 1320' FEL	T09S-R20E-36-NENE
UTU4476	4304738632	NBU 762-26E	1506' FNL 1449' FEL	T10S-R20E-26-SWNE
ML22792	4304738332	NBU 763-19E	1258' FSL 1388' FEL	T10S-R21E-19-SWSE
ML3142	4304738331	NBU 764-32E	875' FNL 667' FWL	T09S-R21E-32-NWNW
UTUO1791	4304738633	NBU 765-09E	1000' FSL 1640' FWL	T10S-R21E-09-SESW

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DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: U-0575
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 309-20E
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047322830000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6510 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0930 FNL 0667 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 20 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/8/2013  <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 formation 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 U-0575. Please see the attached procedure. Thank you.

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

Date: May 14, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Luke Urban	PHONE NUMBER 720 929-6501	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 5/8/2013	



**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 43047322830000**

**A minimum 100' of cement should be placed on the CIBP to isolate Wasatch formation as required by rule R649-3-24-3.2.**



# Maverick Unit

**NBU 309-20E**

**RE-COMPLETIONS PROCEDURE**

**WELL PREPARATION + WASATCH PLUGBACK**

**DOUGLAS CREEK DFIT**

**GREEN RIVER (UB, LP, CM, DC) HYDRAULIC FRACTURING  
TREATMENT**

**FIELD ID: N/A**

**DATE: 05/06/2013**

**AFE#:**

**API#: 4304732283**

**USER ID: WIU473**

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

**REMEMBER SAFETY FIRST!**

**Name:** NBU 309-20E  
**Location:** NE NE Sec 20 T9S R21E  
**LAT: 40.026289** **LONG: -109.568576** **COORDINATE: NAD83 (Surface Location)**  
**Uintah County, UT**  
**Date:** **05/06/2013**

**ELEVATIONS:** 4854' GL 4866' KB *Frac Registry TVD: 6873*

**TOTAL DEPTH:** 6873' **PBTD:** 6765'  
**SURFACE CASING:** 9 5/8", 32.3# H-40 STC @ 237'  
**PRODUCTION CASING:** 4 1/2", 10.5#, J-55 STC @ 6812'  
 Marker Joints will be documented after running CBL

**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" 10.5# J-55	4,790	4,010	3.927"	0.0159	0.6699
2 3/8" by 4 1/2" Annulus				0.0105	

**TOPS:**

1850' Bird's Nest Top  
 2348' Mahogany Top  
 4125' Douglas Creek Top  
 4471' Carb. Marker Top  
 4620' Long Point Top  
 4930' Uteland ButteTop  
 5054' Wasatch Top  
 Mesaverde Top (Not Penetrated)  
 \*Based on latest geological interpretation

**T.O.C.** @ 1612' based upon from Cutter's CBL dated 09/02/1992

- **The 1700-5000' interval was not logged. A new CBL might be run in order to identify marker joints, hydraulic isolation and to evaluate 1700-5000' interval.**
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 08/29/1992

**GENERAL:**

- **Please note that:**
  - **DFITs will be pumped in selective intervals. Detailed information regarding timing and intervals tested can be found in the post-job report.**
  - **In addition, all stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.**

- **CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.**

### Existing Perforations (from Open Wells):

<b>PERFORATIONS</b>					
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>Date</u>	<u>Reason</u>
WASATCH		5272	5276	09/08/1992	PRODUCTION
WASATCH		5280	5290	09/08/1992	PRODUCTION
WASATCH		5530	5534	09/08/1992	PRODUCTION
WASATCH		6291	6328	09/02/1992	PRODUCTION
WASATCH		6503	6504	09/08/1992	PRODUCTION
WASATCH		6580	6581	09/08/1992	PRODUCTION

### Relevant History:

08/08/1992: Spud well.  
 08/30/1992: Reach TD.  
 09/04/1992: Completed the 6291-6325' interval with 46,158 gallons of xlinked gel, 135,700 lbs of 20/40 sand and 17,400 lbs of 16/30 RCS.  
 10/08/1993: Completed in 5272-5276' and 5280'-5290' intervals with 20,118 gallons of xlinked gel and 45,170 lbs of 16/30 sand.  
 05/14/2012: RIH, tagged up at 930'. RIH with Power swivel and air foam unit and broke circulation. At this point flow was observed in the surface casing.  
 05/14/2012: Tagged with open ended tubing @ 930'. Continue to RIH with tubing to 1585'. L/D 1 joint of tubing. EOT ~ 1566'  
 05/14/2012: Tb 0 Cs 0 FL GC Ran in w/Spear to 1444, Stacked out, pulled out. Ran w/Sample Baler to 933, stacked out, pulled Sample, pulled out. BSW in Sample. Rig circulated. Ran back w/Sample Baler to 1603, Stacked out, pulled sample, BSW in sample. Turned well back to Rig. Rigged Down  
 05/07/2013: Tubing currently landed @ 1566'

### H2S History:

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

Production Date	Gas (avg mcf/day)	Water (avg bb/day)	Oil (avg bb/day)	LGR (bb/Mmcf)	Max H2S Seperator (ppm)
10/31/2010	0.00	0.00	0.00	#NA	
9/30/2010	0.00	0.00	0.00	#NA	32.00
8/31/2010	0.00	0.00	0.00	#NA	
7/31/2010	0.00	0.00	0.00	#NA	
6/30/2010	0.00	0.00	0.00	#NA	
5/31/2010	0.00	0.00	0.00	#NA	
4/30/2010	0.00	0.00	0.00	#NA	
3/31/2010	0.00	0.00	0.00	#NA	
2/28/2010	0.00	0.00	0.00	#NA	
1/31/2010	0.00	0.00	0.00	#NA	
12/31/2009	0.00	0.00	0.00	#NA	
11/30/2009	0.00	0.00	0.00	#NA	
10/31/2009	0.00	0.00	0.00	#NA	
9/30/2009	0.00	0.00	0.00	#NA	
8/31/2009	0.00	0.00	0.00	#NA	
7/31/2009	0.00	0.00	0.00	#NA	
6/30/2009	0.00	0.00	0.00	#NA	
5/31/2009	0.00	0.00	0.00	#NA	
4/30/2009	0.00	0.00	0.00	#NA	
3/31/2009	0.00	0.00	0.00	#NA	
2/28/2009	0.00	0.00	0.00	#NA	
1/31/2009	0.00	0.00	0.00	#NA	
12/31/2008	0.00	0.00	0.00	#NA	
11/30/2008	0.00	0.00	0.00	#NA	
10/31/2008	0.00	0.00	0.00	#NA	
9/30/2008	0.00	1.37	1.50	#NA	
8/31/2008	0.00	0.00	0.00	#NA	
7/31/2008	0.00	0.00	0.00	#NA	

Production Date	Gas (avg mcf/day)	Water (avg bb/day)	Oil (avg bb/day)	LGR (bb/Mmcf)	Max H2S Seperator (ppm)
3/31/2001	110.87	0.00	0.00	0.00	
2/28/2001	101.11	0.00	0.00	0.00	
1/31/2001	102.45	0.00	0.00	0.00	
12/31/2000	101.06	0.00	0.00	0.00	
11/30/2000	101.60	0.00	0.00	0.00	
10/31/2000	106.94	0.00	0.00	0.00	
9/30/2000	106.70	0.00	0.00	0.00	
8/31/2000	109.52	0.00	0.00	0.00	
7/31/2000	112.45	0.00	0.00	0.00	
6/30/2000	66.90	2.17	1.97	61.78	
5/31/2000	106.48	0.00	0.00	0.00	
4/30/2000	107.97	0.00	0.00	0.00	
3/31/2000	108.32	0.00	0.00	0.00	
2/29/2000	109.00	0.00	0.00	0.00	
1/31/2000	109.68	0.00	0.00	0.00	
12/31/1999	114.84	0.00	0.00	0.00	
11/30/1999	112.27	0.00	0.00	0.00	
10/31/1999	123.58	0.00	0.00	0.00	
9/30/1999	109.23	0.00	0.00	0.00	
8/31/1999	117.68	0.00	0.00	0.00	
7/31/1999	112.90	0.00	0.00	0.00	
6/30/1999	115.57	0.00	0.00	0.00	
5/31/1999	115.97	0.00	0.00	0.00	
4/30/1999	121.73	2.17	1.57	30.67	
3/31/1999	120.13	0.00	0.00	0.00	
2/28/1999	124.86	0.00	0.00	0.00	
1/31/1999	118.23	0.00	0.00	0.00	

#### 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.**
- **2** fracturing stages and **3** acid wash stage required for coverage.
- A minimum of **11** tanks (cleaned lined 500 bbl) of fresh water will be required for the acid and hydraulic fracturing treatment.

**Note:**

- **Use biocide from Baker**
  - **Use Nabors Clay Stabilizer**
  - **NO Scale Inhibitor will be pumped given the very low to no scaling tendencies in the Green River**
  - **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 **5** CBP's (**8,000** psi) and **1** CIBP's (**10,000** psi).
  - 20/40 mesh Ottawa sand.
  - Max Sand Concentration: Green River - Long Point and Douglas Creek **3** ppg
  - Bioballs will be used to enhance diversion in the Uteland Butte formation.
- 
- A total of **2,000 gallons of TMAC** will be used for the DFIT in Douglas Creek Zone

#### ON SITE CONSIDERATIONS:

- Maximum surface pressure **3800 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 for 15 minutes each and to 3800 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- 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:**

**WELL PREPARATION AND REMEDIAL WORK (IF NEEDED)**

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Be aware there is a restriction at ~ 930' therefore, pull tubing slowly. Visually inspect for scale and consider replacing tubing if needed.
3. Spear 4.5" 10.5# casing and POOH w/ parted casing. Evaluate casing part. RIH w/ 4 1/2" O.D. casing patch and latch casing. Pull 80k install slips and land casing. Install casing head.
4. Pressure test casing patch. P/U and RIH with 3 7/8" mill and tubing, and cleanout to +/-20' above top of existing perfs. POOH.
5. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**WASATCH PLUG BACK & GREEN RIVER COMPLETION**

1. **PLUG #1- ISOLATE WASATCH PERFORATIONS (5272' – 6581'):** RIH W/ 4 1/2" CIBP. SET @ ~ 5250' (~22' above top perfs). Pressure test casing to **3800** 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 (~5200', equivalent to 50' COVERAGE).
2. Run a CBL. Make sure the well is filled with water with clay stabilizer and biocide. Contact Denver engineers.
3. ND BOPs and NU frac valves. Test frac valves to 1000 psi for 15 minutes and to **3800** psi for 30 minutes. 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.
4. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
UTELAND BUTTE	4934	4935	3	3
UTELAND BUTTE	4952	4954	3	6
UTELAND BUTTE	4980	4982	3	6
UTELAND BUTTE	5004	5006	3	6
UTELAND BUTTE	5017	5018	3	3
UTELAND BUTTE	5031	5032	3	3
UTELAND BUTTE	5041	5043	3	6

6. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Perform acid wash as outlined in Stage 1 on attached listing. Displace with FR water to 5043'.

6. Set **8000** psi CBP at ~4920'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
LONG POINT	4681	4684	3	9
LONG POINT	4878	4883	3	15

7. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Displace with FR water to 4681'.

7. Set **8000** psi CBP at ~4650'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
CARB MARKER	4592	4594	3	6
CARB MARKER	4606	4609	3	9
CARB MARKER	4613	4616	3	9

8. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Perform acid wash as outlined in Stage 3 on attached listing. Displace with FR water to 4616'.

8. Set **8000** psi CBP at ~4550'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
CARB MARKER	4474	4477	3	9
CARB MARKER	4483	4488	3	15

9. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Perform acid wash as outlined in Stage 4 on attached listing. Displace with FR water to 4488'.

### DOUGLAS CREEK DFIT

10. Set 8000 psi CBP at~4440'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
DOUGLAS CREEK	4150	4151	3	
DOUGLAS CREEK	4161	4163	3	

9. RIH with a live monitoring DH gauge on wireline and two memory tools (**data acquisition frequency should be set at 1/sec**). Set gauges @ 4160'.

10. Perform a DFIT test on perforations **4150'-4163'** as follows:

- Dump bail acid if need to breakdown the perforations
- Pump **2000** gals @ **7 bpm** (make sure the pumping rate is **constant**).
- The service company pumping the DFIT should record and provide an .txt file including the following information:
  - Surface Treating Pressure
  - Injection Rate
  - Volume pumped
  - Actual Time

- v. Elapsed Time
  - d. After pumping the above volume, shut well in and monitor **for a minimum of 96 hours (4 days)** as directed by Denver engineering.
    - i. Delsco will be providing a data file in .txt and .pdf format every four hours and will make sure the live monitoring tool is reading the variables. The report should include the following variables:
      - ii. Date
      - iii. Real Time
      - iv. Elapsed Time
      - v. Bottomhole Pressure
      - vi. Bottomhole Temperature
  - e. POOH w/ wireline and DH gauges. **NOTE: Stop every 500' for 3-5 minutes to gather static pressures while pulling out the gauges.**
11. Perf the **remaining stage** with 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone          | From | To   | spf | # of shots |
|---------------|------|------|-----|------------|
| DOUGLAS CREEK | 4319 | 4321 | 3   | 6          |
| DOUGLAS CREEK | 4329 | 4332 | 3   | 9          |
11. Spearhead 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Displace with FR water to 4150'.
12. Set 8000 psi CBP at~4100'.
13. ND Frac Valves, NU and Test BOPs.
14. TIH with 3 7/8" bit, pump off sub, SN and tubing.
15. Drill plugs and clean out to 5200'. Shear off bit and land tubing at **±4934'** unless indicated otherwise by the well's behavior.
16. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
17. **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

Paul Ryza: 936/499-6895, 720/929-6915

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







Name NBU 309-20E  
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	UTELAND BUTTE	4934	4935	3	3	4932	to	5047
	UTELAND BUTTE	4952	4954	3	6			
	UTELAND BUTTE	4980	4982	3	6			
	UTELAND BUTTE	5004	5006	3	6			
	UTELAND BUTTE	5017	5018	3	3			
	UTELAND BUTTE	5031	5032	3	3			
	UTELAND BUTTE	5041	5043	3	6			
	UTELAND BUTTE							
	# of Perfs/stage				33	CBP DEPTH	4,920	
2	LONG POINT	4681	4684	3	9	4679	to	4885
	LONG POINT	4878	4883	3	15			
	LONG POINT							
	LONG POINT							
	LONG POINT							
	LONG POINT							
	LONG POINT							
	LONG POINT							
	# of Perfs/stage				24	CBP DEPTH	4,650	
3	CARB MARKER	4592	4594	3	6	4592	to	4616
	CARB MARKER	4606	4609	3	9			
	CARB MARKER	4613	4616	3	9			
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	# of Perfs/stage				24	CBP DEPTH	4,550	
4	CARB MARKER	4474	4477	3	9	4473	to	4488
	CARB MARKER	4483	4488	3	15			
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	CARB MARKER							
	# of Perfs/stage				24	CBP DEPTH	4,440	
5	DOUGLAS CREEK	4150	4151	3	3	4148	to	4488
	DOUGLAS CREEK	4161	4163	3	6			
	DOUGLAS CREEK	4319	4321	3	6			
	DOUGLAS CREEK	4329	4332	3	9			
	DOUGLAS CREEK							
	DOUGLAS CREEK							
	DOUGLAS CREEK							
	DOUGLAS CREEK							
	# of Perfs/stage				24	CBP DEPTH	4,100	
	Totals				81			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 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

Sundry Number: 37695 API Well Number: 43047322830000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0575
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 309-20E
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047322830000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6511
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0930 FNL 0667 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 20 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/14/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

The operator submitted a sundry to recomplete the subject well in the green river formation on 05/08/2013. While pressure testing the subject well in preparation for potential recompletion the operator identified parted casing. The operator requests approval to remediate the parted casing and plug back the subject well to isolate the Wasatch formation. Please find the attached procedure for remedial and plug back work.

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

**Date:** May 15, 2013

**By:** Dark Quist

<b>NAME (PLEASE PRINT)</b> Luke Urban	<b>PHONE NUMBER</b> 720 929-6501	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/14/2013	



**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 43047322830000**

**In accordance with rule R649-3-24-3.2, 100' of cement should be placed above CIBP @ 5250' to permanently isolate Wasatch formation.**



# Maverick Unit

**NBU 309-20E**

**REMEDIAL WORK & PLUG BACK PROCEDURE**

**FIELD ID: N/A**

**DATE: 05/14/2013**

**AFE#:**

**API#: 4304732283**

**USER ID: WIU473**

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

**REMEMBER SAFETY FIRST!**

**Name:** NBU 309-20E  
**Location:** NE NE Sec 20 T9S R21E  
**LAT: 40.026289** **LONG: -109.568576** **COORDINATE: NAD83 (Surface Location)**  
**Uintah County, UT**  
**Date:** **05/14/2013**

**ELEVATIONS:** 4854' GL 4866' KB *Frac Registry TVD: 6873*

**TOTAL DEPTH:** 6873' **PBTD:** 6765'  
**SURFACE CASING:** 9 5/8", 32.3# H-40 STC @ 237'  
**PRODUCTION CASING:** 4 1/2", 10.5#, J-55 STC @ 6812'  
 Marker Joints will be documented after running CBL

**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" 10.5# J-55	4,790	4,010	3.927"	0.0159	0.6699
2 3/8" by 4 1/2" Annulus				0.0105	

**TOPS:**

1850' Bird's Nest Top  
 2348' Mahogany Top  
 4125' Douglas Creek Top  
 4471' Carb. Marker Top  
 4620' Long Point Top  
 4930' Uteland ButteTop  
 5054' Wasatch Top  
 Mesaverde Top (Not Penetrated)  
 \*Based on latest geological interpretation

**T.O.C.** @ 1612' based upon from Cutter's CBL dated 09/02/1992

- **The 1700-5000' interval was not logged. A new CBL might be run in order to identify marker joints, hydraulic isolation and to evaluate 1700-5000' interval.**
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 08/29/1992

**Existing Perforations (from Open Wells):**

PERFORATIONS					
Formation	Zone	Top	Btm	Date	Reason
WASATCH		5272	5276	09/08/1992	PRODUCTION
WASATCH		5280	5290	09/08/1992	PRODUCTION
WASATCH		5530	5534	09/08/1992	PRODUCTION
WASATCH		6291	6328	09/02/1992	PRODUCTION
WASATCH		6503	6504	09/08/1992	PRODUCTION
WASATCH		6580	6581	09/08/1992	PRODUCTION

**Relevant History:**

08/08/1992: Spud well.  
08/30/1992: Reach TD.  
09/04/1992: Completed the 6291-6325' interval with 46,158 gallons of xlinked gel, 135,700 lbs of 20/40 sand and 17,400 lbs of 16/30 RCS.  
10/08/1993: Completed in 5272-5276' and 5280'-5290' intervals with 20,118 gallons of xlinked gel and 45,170 lbs of 16/30 sand.  
05/14/2012: RIH, tagged up at 930'. RIH with Power swivel and air foam unit and broke circulation. At this point flow was observed in the surface casing.  
05/14/2012: Tagged with open ended tubing @ 930'. Continue to RIH with tubing to 1585'. L/D 1 joint of tubing. EOT ~ 1566'  
05/14/2012: Tb 0 Cs 0 FL GC Ran in w/Spear to 1444, Stacked out, pulled out. Ran w/Sample Baler to 933, stacked out, pulled Sample, pulled out. BSW in Sample. Rig circulated. Ran back w/Sample Baler to 1603, Stacked out, pulled sample, BSW in sample. Turned well back to Rig. Rigged Down  
05/07/2013: Tubing currently landed @ 1566'

**REMEDIAL WORK**

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Be aware there is a restriction at ~ 930' therefore, pull tubing slowly. Visually inspect for scale and consider replacing tubing if needed.
3. Spear 4.5" 10.5# casing and POOH w/ parted casing. Evaluate casing part. RIH w/ 4 1/2" O.D. casing patch and latch casing. Pull 80k install slips and land casing. Install casing head.
4. Pressure test casing patch. P/U and RIH with 3 7/8" mill and tubing, and cleanout to +/-20' above top of existing perfs. POOH.
5. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**WASATCH PLUG BACK**

1. **PLUG #1- ISOLATE WASATCH PERFORATIONS (5272' – 6581')**: RIH W/ 4 1/2" CIBP. SET @ ~ 5250' (~22' above top perfs). Pressure test casing to **3800** 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 (~5200', equivalent to 50' COVERAGE).
2. Run a CBL. Make sure the well is filled with water with clay stabilizer and biocide. Contact Denver engineers.

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0575
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 309-20E
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047322830000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6514
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0930 FNL 0667 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 20 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/7/2013</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests authorization to Temporarily Abandon or Shut-In the subject well to accommodate recompletion drilling operations for the referenced well location. Please see the attached procedure. This well is on Federal Lease UTU-0575, this is a State Courtesy Copy. Thank you.

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

**Date:** August 09, 2013  
**By:** Dark Oust

<b>NAME (PLEASE PRINT)</b> Matthew P Wold	<b>PHONE NUMBER</b> 720 929-6993	<b>TITLE</b> Regulatory Analyst I
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/7/2013	

Well Name: **NBU 309-20E**  
 Surface Location: NENE Sec. 20, T9, R21E  
 Uintah County, UT

8/7/13

**Recommended action for disposition of well bore:**

This well will be temporarily abandoned to accommodate drilling operations in one of 2 ways. We will either plug the wellbore as outlined in the attached procedure or Shut-In in the following manner: a) Set a tubing plug near EOT, install a flange over the tbg hanger, removal of master valve, set VR plugs in casing head at surface, and removal of casing wing valves, replaced with blind flanges.

API: 4304732283 LEASE#: UTU-0575  
 ELEVATIONS: 4854' GL 4866' GL  
 TOTAL DEPTH: 6873' PBTD: 6765'  
 SURFACE CASING: 9 5/8" 32.3# H-40 @ 237'  
 PRODUCTION CASING: 4 1/2", 10.5# J-55 @ 6812'  
 TOC @ 1612' per CBL  
 PRODUCTION TUBING: No tubing in hole.  
 PERFORATIONS: WASATCH 5272' - 6581'

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
<b>Annular Capacities</b>						
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

**GEOLOGICAL TOPS:**  
 5054' Wasatch

**NBU 309-20E TEMPORARY ABANDONMENT PROCEDURE**

**GENERAL**

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S 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/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

**PROCEDURE**

**Note: An estimated 12 sx of cement needed to perform procedure.**

**Note: Plug #2 will be drilled out when Recompletion commences on this well, after pad wells are drilled.**

1. MIRU. KILL WELL AS NEEDED (TO INCLUDE SURFACE CSG PRESSURE). ND WH, NU AND TEST BOPE.
2. **PLUG #1, ISOLATE WAS PERFORATIONS (5272' - 6581')**: RIH W/ 4 1/2" CBP. SET @ ~5250'. 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 **4 SX / 0.8 BBL / 4.4 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~5200'). REVERSE CIRCULATE W/ TREATED FRESH WATER (~6 BBLs).
3. **PLUG #2, PROTECT TOP OF WASATCH (5054')**: PUH TO ~5100'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **8 SX / 1.6 BBL / 8.7 CUFT** AND BALANCE PLUG W/ TOC @ ~5000' (100' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER (~66 BBLs).
4. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
5. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 8/7/2013

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0575
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 309-20E
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047322830000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6511  <b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0930 FNL 0667 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 20 Township: 09.0S Range: 21.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/30/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator has concluded the temporary abandonment operations on the subject well location on 10/30/2013. This well was plugged in order to expand and drill the NBU 309-20E Pad wells. Please see the attached chronological well history for details. Thank you.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 18, 2013

<b>NAME (PLEASE PRINT)</b> Matthew P Wold	<b>PHONE NUMBER</b> 720 929-6993	<b>TITLE</b> Regulatory Analyst I
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/15/2013	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 309-20E		Spud Date: 8/8/1992	
Project: UTAH-UINTAH		Site: NBU 309-20E	Rig Name No: GWS 1/1
Event: ABANDONMENT		Start Date: 10/29/2013	End Date: 10/30/2013
Active Datum: RKB @4,866.00usft (above Mean Sea Level)		UWI: NE/NE/0/9/S/21/E/20/0/0/6/PM/N/930.00/E/0/0/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/29/2013	6:45 - 7:00	0.25	ABANDT	48		P		HSM. SLIP, TRIPS & FALLS. (MUDDY CONDITIONS)
	7:00 - 15:00	8.00	ABANDT	30	A	P		MIRU RIG. SPOT EQUIP. OPEN WELL 0 PSI. ND WH, NUBOP. RU RIG FLOOR. REPLACE 2" SIDE VALVE ON BOP. SWIFN.
10/30/2013	6:45 - 7:00	0.25	ABANDT	48		P		HSM. SLIP, TRIPS & FALLS
	7:00 - 8:30	1.50	ABANDT	34	I	P		OPEN WELL 0 PSI. MIRU CUTTERS WL. PU 4 1/2 CIBP. RIH SET CIBP @ 5219'. POOH. LD SETTING TOOL.
	8:30 - 11:30	3.00	ABANDT	41	A	P		PU CMT BOND LOGGING TOOLS. RIH LOG F/ 5200' T/ 800'. LD LOGGING TOOLS.
	11:30 - 17:00	5.50	ABANDT	34	D	P		PU 3'X40' DUMP BAILER. HOLD 2SX PER RUN. RIH DUMP BAIL 4 SX CMT ON CIBP. MADE 2 RUNS. RIH DUMP BAIL 8 SX CMT FOR BALANCE PLUG F/ 5100' T/ 5000'. MADE 4 RUNS. POOH. RDMO CUTTERS. ND BOP. BLUE MTN WILL ND TBG HEAD IN THE :AM. INSTALL WHITCHES CAP. RDMO RIG. ROAD RIG T/ THE NBU 922-34M IN THE :AM.

Form 3160-4  
(March 2012)

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**

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**

5. Lease Serial No.  
UTU0575

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 309-20E

3. Address PO BOX 173779  
DENVER, CO 80217

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

9. API Well No.  
43-047-32283

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
  
 At surface NENE 930 FNL 667 FEL  
  
 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  
NENE S20, T9S, R21E SLB

12. County or Parish  
UINTAH  
13. State  
UT

14. Date Spudded  
08/08/1992

15. Date T.D. Reached  
08/30/1992

16. Date Completed 07/09/2014  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
4866 RKB

18. Total Depth: MD 6873  
TVD

19. Plug Back T.D.: MD 5004  
TVD

20. Depth Bridge Plug Set: MD 5219  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

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	4948							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DOUGLAS CREEK	4176	4276	4176-4276	0.40	24	OPEN
B) LONG POINT	4896	4904	4896-4904	0.40	24	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
4176-4904	PUMP 514 BBLs SLICK H2O, 3002 BBLs X-LINK GEL, 12 BBLs 15% HCL ACID & 151,560 LBS 20/40 SAND

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
7/9/2014	7/29/14	24	➔	48	6	0			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	71	4	➔	48	6	0		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)

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	1850
				MAHOGANY	2348
				DOUGLAS CREEK	4125
				CARB MARKER	4471
				LONG POINT	4620
				UTELAND BUTTE	4930
				WASATCH	5054

32. Additional remarks (include plugging procedure):

The well was originally completed in the Wasatch formation from 5272-6581. This formation was abandoned with a CIBP set at 5219 ft. The well was recompleted in the Long Point from 4896-4904 and in the Douglas Creek from 4176-4276. The well is completed in these two Green River formations. Attached is the recompletion history and perforation report.

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) ILA J. BEALE Title STAFF REGULATORY SPECIALIST  
 Signature  Date 8-4-2014

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 309-20E

Spud Date: 8/8/1992

Project: UTAH-UINTAH

Site: NBU 921-20A PAD

Rig Name No:

Event: RECOMPL/RESEREVEADD

Start Date: 6/20/2014

End Date: 7/23/2014

Active Datum: RKB @4,866.00usft (above Mean Sea Level)

UWI: NE/NE/0/9/S/21/E/20/0/0/6/PM/N/930.00/E/0/0/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
7/7/2014	7:00 - 9:00	2.00	FRAC	37	1	P		MIRU FRAC AND PERF EQUIP
	9:00 - 12:00	3.00	FRAC	37	C	P		RIH W/ 3 3/8" PERF GUNS, HAD TROUBLE W/ TIE TWO LOGS IN TOGETHER, PERF STG #1 AS DESIGN IN PROCEDURE,
	12:00 - 13:00	1.00	FRAC	36	G	P		( FRAC STG #1) WHP = 179 #, BRK DN PERFS = 2277 #, @ 2.2 BPM, ISIP = 1630 #, FG = 0.77 , FINAL ISIP = 1630 #, FINAL FG = 0.77 NPI = 0#
	13:00 - 14:00	1.00	FRAC	37	C	P		RIH W/ 3 3/8" PERF GUN AND CBP, SET CBP AND PERF DOUGLASS CREEK AS DESIGN IN PROCEDURE,
	14:00 - 14:30	0.50	FRAC	36	G	P		( FRAC STG #2 ) WHP = 104 #, BRK DN PERFS = 1872 #, @ 2.1 BPM, ISIP = 1060 #, FG = 0.68 , FINAL ISIP = 1389 #, FINAL FG = 0.76 NPI = 329#
	14:30 - 15:30	1.00	FRAC	34	I	P		RIH W/ HALLIBURTON 8K CBP SET KILL PLUG AS DESIGN, SHUT WELL IN
	15:30 - 16:45	1.25	FRAC	36	1	P		R/D FRAC AND WIRELINE,  3528 BBLs WTR 151560# SAND
7/8/2014	7:00 - 7:30	0.50	DRLOUT	48		P		HSM, RIGGING UP ON TIGHT LOCATION.
	7:30 - 14:00	6.50	DRLOUT	30	A	P		MOVED IN ON LOCATION HAD TO WAIT FOR BLUE MOUNTAIN TO GET FRAC VALVES OFF, MOVED AC UNITS, WAIT FOR STUBS TO MOVE DIRT AROUND TANK SO WE COULD SPOT CMT BLOCK. RIGGED UP ND WH NU BOPS, RU FLOOR.
	14:00 - 17:00	3.00	DRLOUT	31	I			TALLY & PU 37/8 BIT, PUMP OPEN BIT SUB, 1.875 X/N 130 JTS 23/8 J-55 TAG UP @ 4104' RU DRLG EQUIP PREP TO D/O IN AM SWI SDFN.
7/9/2014	7:00 - 7:30	0.50	DRLOUT	48		P		HSM, DRILLING OUT PLUGS

US ROCKIES REGION  
Operation Summary Report

Well: NBU 309-20E		Spud Date: 8/8/1992	
Project: UTAH-UINTAH		Site: NBU 921-20A PAD	Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 6/20/2014	End Date: 7/23/2014
Active Datum: RKB @4,866.00usft (above Mean Sea Level)		UWI: NE/NE/0/9/S/21/E/20/0/0/6/PM/N/930.00/E/0/0/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 15:00	7.50	DRLOUT	44	C	P		<p>BROKE CIRC CONV, TEST CSG &amp; BOPS TO 2,000 PSI RIH</p> <p>C/O 3' SAND TAG 1ST PLUG @ 4126' DRL PLG IN 10 MIN, 0 PSI INCREASE RIH.</p> <p>C/O 50' SAND TAG 2ND PLUG @ 4312' DRL PLG IN 8 MIN, 100 PSI INCREASE RIH.</p> <p>TAG UP @ 4931' C/O SAND TO 4975' D/O 29' CMT BRIDGES TO 5004', CIRC CLN W/ 55 BBLS T-MAC, RD SWIVEL, L/D 5 JTS, LAND TBG @ 4852.30', ND BOPS HANGER UPSIDE DOWN, NU BOPS,LUB OUT HANGER TURNED OVER RELAND, ND BOPS NU WH, PUMPED OPEN BIT, RU FLOW LINE, SICP 450 PSI SITP 450 PSI OPEN TBG FLOWING @ 50 PSI TURN TO FB CREW, SDFN</p> <p>KB = 12' 41/16 HANGER = .83' 154 JTS 23/8 J-55 = 4835.34' PUMP OPEN W/ 1.875 X/N = 4.13' EOT @ 4852.30'</p> <p>TWTR = 3708 BBLS TWR = 450 BBLS TWLTR 3258 BBLS</p> <p>165 JT HAULED OUT, J-55. F/ SAMEULS YARD 154 LANDED 10 TO RETURN</p>
7/22/2014	7:00 - 7:30	0.50		48		P		HSM, RIGGING UP RIG
	7:30 - 12:00	4.50		30	A	P		SPOT HYD UNIT, RIG UP RIG , TBG SLIGHT FLOW CSG DEAD, ND WH NU BOPS RU FLOOR & TBG EQUIP.
	12:00 - 14:00	2.00		31	H	P		UNLAND TBG, PU 6 JTS 23/8 @ 5010' NO FILL TAGGED, L/D 6 JTS CIRC HOLE W/ 70 BBLS WTR RECOVERED APROX 55 BBLS OIL.
	14:00 - 17:30	3.50		31	I	P		POOH W/ 154 JTS 23/8 J-55 L/D PUMP OPEN SUB.PU RIH W/ N/C W/ BAR, 1JT 23/8 J-55, 4' PERF'D PUP, PSN, 153 JTS 23/8 J-55 PU 3 JTS EOT @ 4947.28' SWI LEAVE CSG OPEN TO FB TNK. SDFN
7/23/2014	7:00 - 7:30	0.50		48		P		HSM, WORKING W/ RODS
	7:30 - 8:30	1.00		31	H	P		CSG FLOWED 25 BBLS WTR OVER NIGHT, LAND TBG ON HANGER, CIRC WELL W/ 70 BBLS T-MAC RECOVERED 40 BBLS OIL.

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 309-20E		Spud Date: 8/8/1992	
Project: UTAH-UINTAH		Site: NBU 921-20A PAD	Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 6/20/2014	End Date: 7/23/2014
Active Datum: RKB @4,866.00usft (above Mean Sea Level)		UWI: NE/NE/0/9/S/21/E/20/0/0/6/PM/N/930.00/E/0/0/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:30 - 11:30	3.00		31	1	P		ND BOPS UNLAND TBG L/D HANGER INSTALLED 27/8 EUE PIN X 23/8 EUE PIN X/O 71/16 5K B2 FLANGE LAND TBG, RU ROD TREE & EQUIP.  KB = 12' 27/8 X 23/8 PXP X/O = .37' 3 JTS 23/8 L-80 = 95.11' 153 JTS 23/8 J-55 = 4803.06' PSN = 1.10' ( 4910 54' ) 23/8 PERF SUB = 4.05' 1 JT 23/8 J-55 = 32.28' N/COLLAR W/ BAR = .41' EOT @ 4948.38'
	11:30 - 17:00	5.50		39		P		PU PRIME PUMP, RUN PUMP, BACK OFF TOOL, 7/8 STABILIZER PONY 3/4 THREADS, 10- 11/4 W/BARS, 124 3/4 SLICK D RODS, 60 - 7/8 SLICK D RODS 2- 7/8 x 2' PONY, 1- 8' X 7/8 PONY PU PLISH ROD SEAT & SPACED OUT PUMP, STROKE TEST TO 500 PSI GOOD TEST STOOD HYD POLE. SWI SDFN  1/14 X 26' POLISH ROD = 26' 2 - 2' X7/8 PONY = 4' 1- 8' X 7/8 PONY = 8' 60 - 7/8 D SLICK RODS = 1500' 124 - 3/4 D SLICK RODS = 3100' 10 11/4 WEAIGHT BARS = 250' 1- 2.5' X 7/8 STABILIZER PONY W/ 3/4 THREADS = 2.5' BACK OFF TOOL = .60' 2" X 11/2 X 20' RWAC 60 RING PA, 174" STROKE # 3883 WEATHERFORD TOP HOLD DWN PUMP = 20' W/ SCREEN

US ROCKIES REGION

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 309-20E	Wellbore No.	00
Well Name	NBU 309-20E	Wellbore Name	NBU 309-20E
Report No.	1	Report Date	6/23/2014
Project	UTAH-UJINTAH	Site	NBU 921-20A PAD
Rig Name/No.		Event	RECOMPL/RESERVEADD
Start Date	6/20/2014	End Date	7/23/2014
Spud Date	8/8/1992	Active Datum	RKB @4,866.00usft (above Mean Sea Level)
UWI	NE/NE/0/9/S/21/E/20/0/0/6/PMN/930.00/E/0/0/0/0		

1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

1.4 Initial Conditions

Fluid Type		Fluid Density		Gross Interval	4,176.0 (usft)-4,904.0 (usft)	Start Date/Time	6/23/2014 12:00AM
Surface Press		Estimate Res Press		No. of Intervals	3	End Date/Time	6/23/2014 12:00AM
TVD Fluid Top		Fluid Head		Total Shots	48	Net Perforation Interval	16.00 (usft)
Hydrostatic Press		Press Difference		Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL					Final Press Date	

1.5 Summary

		Diameter (in)	0.410	EXP/	
		Misfires/ Add. Shot			
		Shot Density (shot/ft)	3.00		
		MD Base (usft)	4,182.0		
		MD Top (usft)	4,176.0		
		CCL-T S (usft)			
		CCL@ (usft)			
		Formation/ Reservoir			

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	Misrun
6/23/2014 12:00AM	GREEN RIVER/			4,176.0	4,182.0	3.00		0.410	EXP/	3.125	120.00		19.00	PRODUCTIO	N

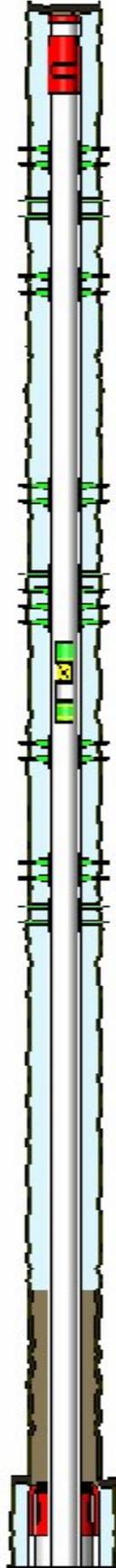
US ROCKIES REGION

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
6/23/2014 12:00AM	GREEN RIVER/			4,274.0	4,276.0	3.00		0.410	EXP/	3.125	120.00		19.00	PRODUCTIO N	
6/23/2014 12:00AM	GREEN RIVER/			4,896.0	4,904.0	3.00		0.410	EXP/	3.125	120.00		19.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0575
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 309-20E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0930 FNL 0667 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 20 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047322830000
<b>PHONE NUMBER:</b> 720 929-6100		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/9/2014	<input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <p style="text-align: center;">The NBU 309-20E was returned to production 07/09/2014 after a recomplete. Producing from the GREEN RIVER.</p> <div style="text-align: right; margin-top: 20px;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>August 14, 2014</p> </div>		
<b>NAME (PLEASE PRINT)</b> Doreen Green	<b>PHONE NUMBER</b> 435 781-9758	<b>TITLE</b> Regulatory Analyst II
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/10/2014	

RECEIVED

JUL 14 2014

FORM 6

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

Div. of Oil, Gas & Mining

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: (435) 781-9758

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304732283	NBU 309-20E		NENE	20	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
D	2900	19632			7/29/14		
Comments: This well has been recompleted to the Green River formation. 8/14/14							

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)

Doreen Green

Name (Please Print)

Signature

Regulatory Analyst

Title

7/11/2014

Date