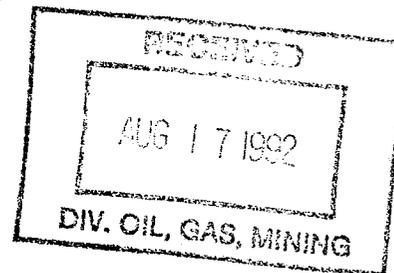


# ENRON

## Oil & Gas Company

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

August 14, 1992



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

RE: Designations of Agent  
NBU 313-29E, 317-12E, 321-10E, 324-7E,  
325-8E, 351-8E, 352-10E, 355-19E,  
356-29E, 358-1E, 360-13E  
Uintah County, Utah  
Natural Buttes Prospect  
1540-AA29, 0050622-000, 0050623-000,  
0050625-000, 0050636-000, 0050638-000,  
0050650-000, 0050657-000

Gentlemen:

Enclosed, for your approval, are three (3) copies of a blanket Designation of Agent pertaining to Enron Oil & Gas Company's proposed eleven (11) wells listed on Exhibit "A" thereto. All copies have been originally executed on behalf of Coastal Oil & Gas Corporation.

When approved, please forward the approved Designation 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  
Enclosure  
10368T

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

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 the unit wells listed on the attached Exhibit "A" which are located in Uintah County, Utah.

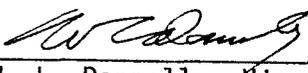
This designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

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 each of the subject wells. In accordance with 3104.2, bonding shall be provided by Enron Oil & Gas Company, Bond No. 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 wells. Unless sooner terminated, this designation shall terminate as to each well 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 that well. At which time the Unit Operator shall assume all liability of that 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:   
W. L. Donnelly, Vice President 

Date: August 4, 1992

EXHIBIT "A"

Attached to and made a part of that certain Designation of Agent dated August 4, 1992, from Coastal Oil & Gas Corporation.

WELL NAME	LOCATION			
	DIV	SEC	TWP	RGE
NBU 313-29E	NENE	29	9	21
NBU 317-12E	NENE	12	9	20
NBU 321-10E	SESW	10	9	21
NBU 324-7E	SESW	7	9	21
NBU 325-8E	SWSW	8	9	21
NBU 351-8E	NENW	8	9	21
NBU 352-10E	NWSW	10	9	21
NBU 355-19E	NENW	19	9	21
NBU 356-29E	SWNE	29	9	21
NBU 358-1E	SWSE	1	10	20
NBU 360-13E	NWSW	13	10	20

All Township and Range references are South and East of the Salt Lake Meridian in Uintah County, Utah.

# ENRON

## OIL & GAS COMPANY

P.O. BOX 1615, VERNAL, UTAH 84078 (801)789-0790

August 18, 1992

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

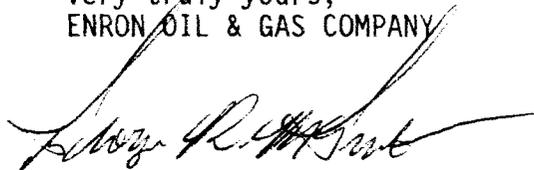
RE: NOTICE OF STAKING  
NATURAL BUTTES UNIT 355-19E  
Sec. 19, T9S, R21E  
Uintah County, Utah  
Lease No. U-0581

Dear Mr. Forsman:

Attached is a Notice of Staking on the subject well.

If you require further information, please contact this office.

Very truly yours,  
ENRON OIL & GAS COMPANY



George McBride  
Sr. Production Foreman

Attachment

cc: Division of Oil Gas & Mining  
Doug Weaver/Toni Miller  
Curt Parsons  
File

/lw  
NOSLTR

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AUG 19 1992

DIVISION OF  
OIL GAS & MINING

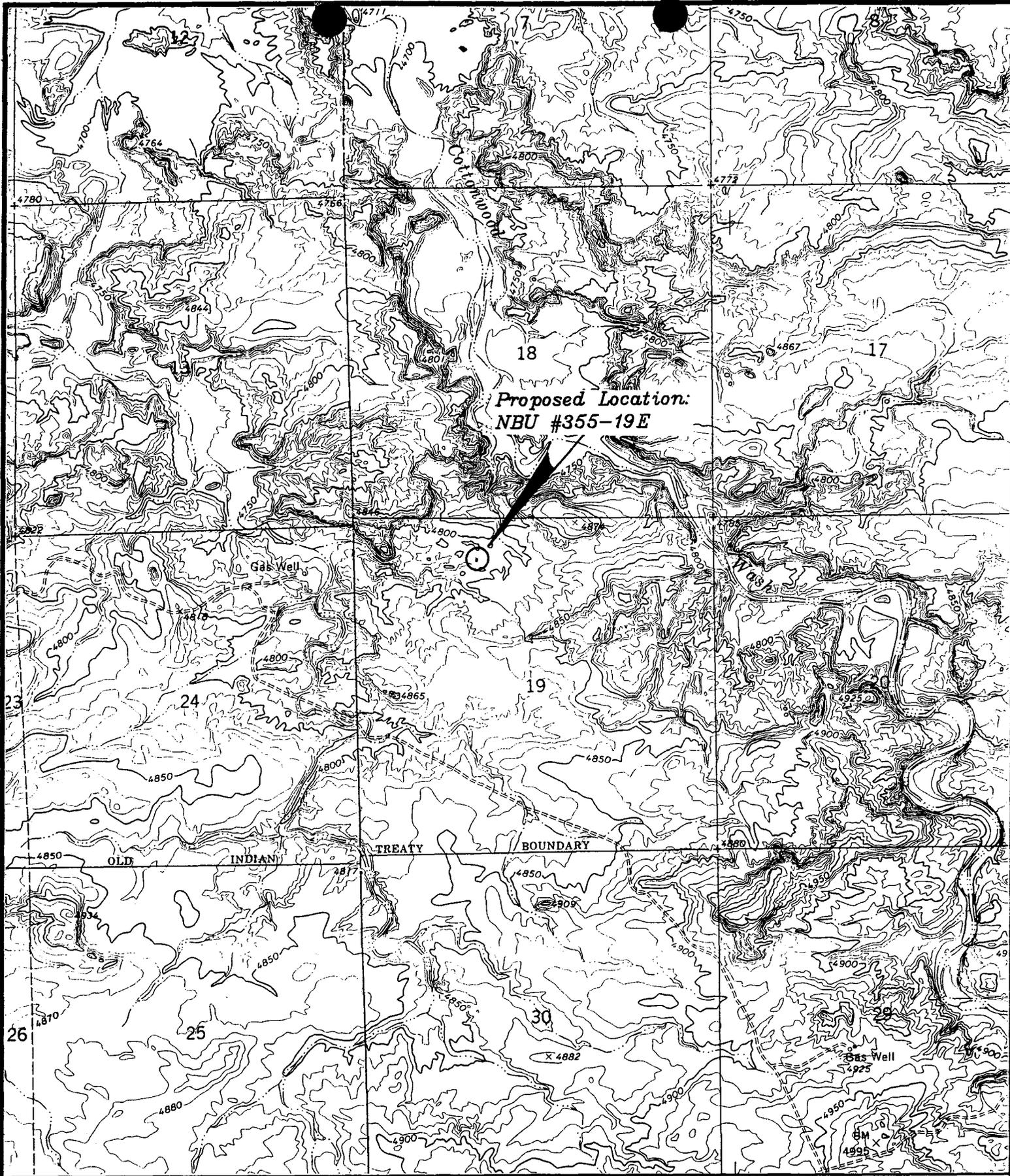
NOTICE OF STAKING (Not to be used in place of Application to Drill Form 9-331-C)		RMOGA 5/5/82	5. Lease Number U-0581
1. Oil Well      Gas Well X      Other			6. If Indian, Allottee or Tribe Name Ute Tribal Surface
2. Name of Operator Enron Oil & Gas Company			7. Unit Agreement Name Natural Buttes Unit
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)  660' FNL , 1980' FWL NE/NW			9. Well No. 355-19E
Attach: Topographical or other acceptable map Showing location, access road, and lease boundaries			10. Field or Wildcat Name NBU/Wasatch
14. Formation Objective(s) Wasatch	15. Estimated Well Depth 7100'		11. Sec., T., R., M., or Blk and Survey or Area Sec. 19, T9S, R21E
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)			12. County or Parish    13. State Uintah                                  Utah
17. To Be Considered By Operators Prior to Onsite a. H2S Potential - NA b. Private Surface Ownership - NA c. Cultural Resources (Archaeology) - Completed d. Federal Right of Way			
18. Additional Information			

19. Signed *Linda L. Wau* Title Sr. Admin. Clerk Date 08/18/92

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AUG 19 1992

DIVISION OF  
OIL GAS & MINING



*Proposed Location:*  
**NBU #355-19E**

TOPOGRAPHIC  
MAP

SCALE: 1" = 2000'  
DATE 8-11-92 J.L.G.



**ENRON OIL & GAS CO.**

NBU #355-19E  
SECTION 19, T9S, R21E, S.L.B.&M.

# ENRON

## OIL & GAS COMPANY

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

September 23, 1992

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

RE: APPLICATION FOR PERMIT TO DRILL  
NATURAL BUTTES UNIT 355-19E  
SECTION 19, T9S, R21E  
UINTAH COUNTY, UTAH  
LEASE NO. U-0581  
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* <sup>By *She*</sup>

George R. McBride  
Sr. Production Foreman

### Attachments

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

/lw  
NBU355-19EAPD

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SEP 30 1992

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

LEASE IDENTIFICATION AND SERIAL NO.

U-0581

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

2. IF INITIAL ALLOTTEE OF THIS NAME

Ute Tribal Surface

3. UNIT AGREEMENT NAME

Natural Buttes Unit

4. FEDERAL LEASE NAME

Natural Buttes Unit

355-19E

5. FIELD AND FOOT OF WELLCAT

NBU/Wasatch

6. SEC. T. R. M. OR BLK

Sec. 19, T9S, R21E

7. NAME OF OPERATOR  
 Enron Oil & Gas Company  
 P.O. Box 1815, Vernal, Utah 84078

8. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface  
 1980' FWL & 660' FNL NE/NW

At proposed production

9. COUNTY OF FIELD

Uintah

10. STATE

Utah

11. DISTANCE FROM NEAREST FEDERAL SURFACE WELL TO PROPOSED WELL  
 14.6 Miles Southeast of Ouray, Utah

12. DEPTH OF PROPOSED WELL  
 LOCATION OF PROPOSED WELL  
 PROJECT OF LEASE (If F2  
 (Also to be filled in by leasee, if any)  
 1980'

13. N. OF ADJACENT LEASE  
 2399.63

14. N. OF ADJACENT LEASE  
 TO THIS WELL 80

15. DISTANCE FROM PROPOSED LOCATION  
 TO NEAREST WELL DRILLING COMPLETELY  
 OR APPLIC. FOR ON THIS LEASE FT.  
 2680'

16. PROPOSED DEPTH  
 7100'

17. ROTARY OR CABLE TOOLS  
 Rotary

18. ELEVATIONS (Show whether DF, RT, GR, etc.)

4792' Graded Ground

19. APPROX. DATE WORK WILL START

November 1992

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
7 7/8"	4 1/2"	10.5#	7100'	+ 1/4 #/sx celloflake. 50/50

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SEP 30 1992

DIVISION OF  
OIL GAS & MINING

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"
- Gas Sales Pipeline Exhibit "D"

Enron Oil & Gas Company will be the designated operator of the subject well under Nation Wide Bond #81307603.

19. 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.

20. SIGNED Linda L. White TITLE Sr. Admin. Clerk DATE 9/23/92

(This space for Federal or State office use)

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

PERMIT NO. 13-047-30380

APPROVAL DATE

DATE: 10/5/92

APPROVED BY

TITLE

BY: J. Matthews

CONDITIONS OF APPROVAL, IF ANY:

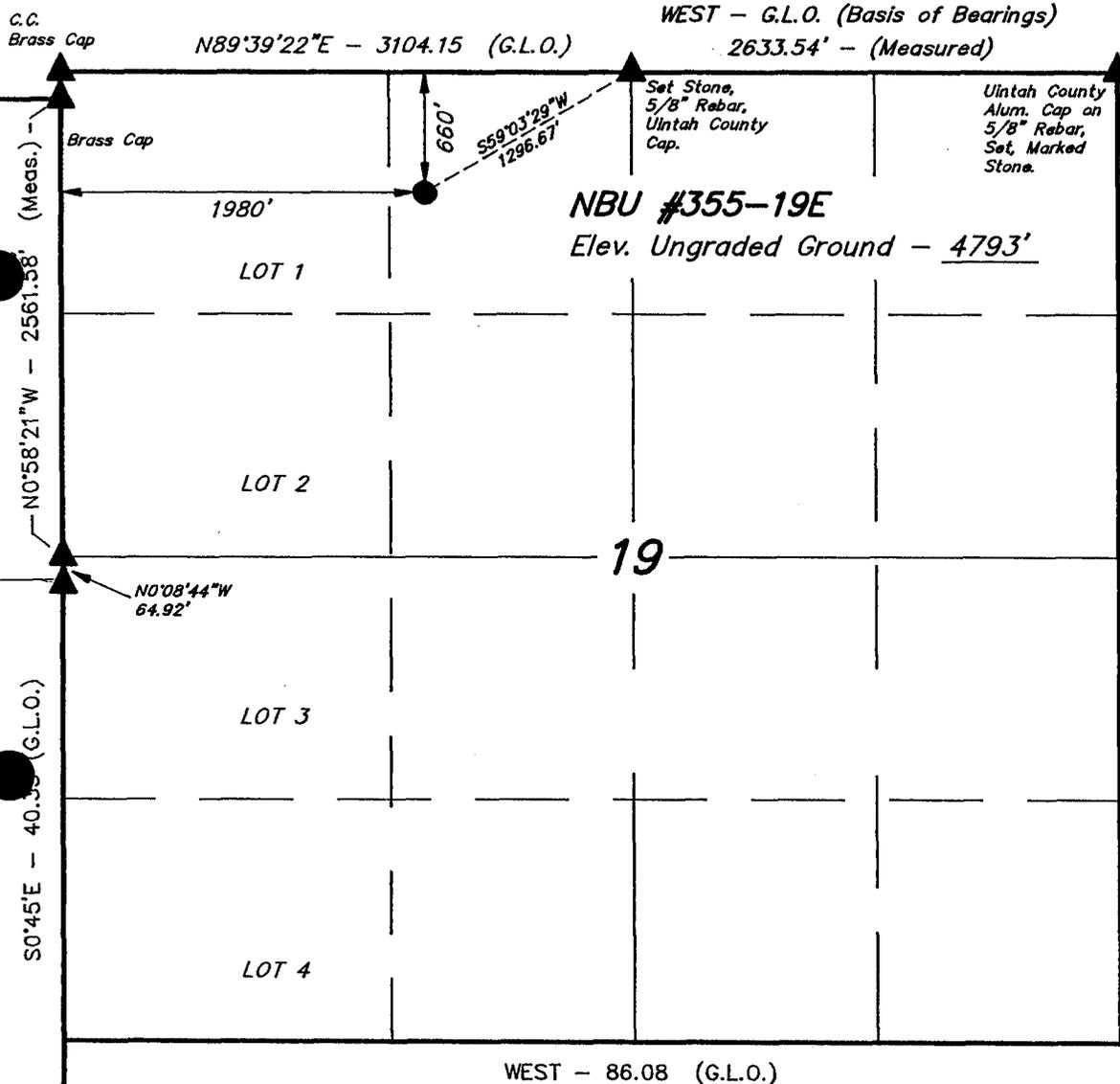
WELL SPACING: 649-2-3

\*See Instructions On Reverse Side

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

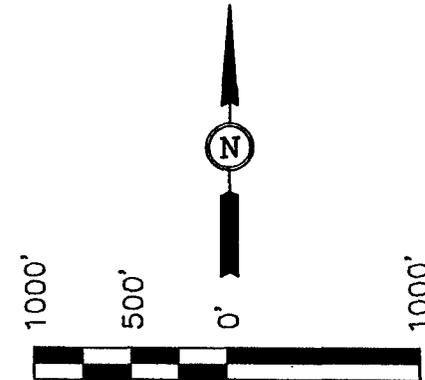
## ENRON OIL & GAS CO.

Well location, NBU #355-19E, located as shown in the NE 1/4 NW 1/4 of Section 19, T9S, R21E, S.L.B.&M. Uintah County, Utah.



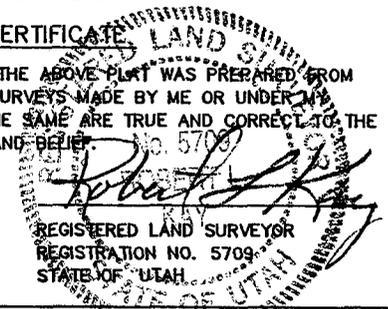
### BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE NE 1/4 NW 1/4 CORNER OF SECTION 24, T9S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4818 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.



### LEGEND:

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

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 8-20-92	DATE DRAWN: 9-5-92
PARTY G.S. K.K. J.L.G.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE ENRON OIL & GAS CO.	

EIGHT POINT PLAN

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SEP 30 1992

NATURAL BUTTES UNIT 355-19E

SECTION 19, T9S, R21E

UINTAH COUNTY, UTAH

DIVISION OF  
OIL GAS & MINING

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

FORMATIONS	DEPTH	TYPE ZONES	MAXIMUM PRESSURE
Green River			
Oil Shale	1,474'		
"H" Marker	3,284'		
"J" Marker	3,976'		
Base "M" Marker	4,642'		
Wasatch			
Peters Point	5,087'	Gas	2,300 PSI
Chapita Wells	5,617'	Gas	2,600 PSI
Buck Canyon	6,177'	Gas	2,800 PSI
Island	7,100'		
EST. TD	7,100'	Anticipated BHP	3,200 PSI

All depths are based on estimated KB elevation 4,804'. 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' - 7100'	7100'	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.

5. MUD PROGRAM:

<u>INTERVAL</u>	<u>MUD TYPE</u>
0' - 200'	Air
240' - 4000'	Air Mist & Aerated Water
4000' - TD	Aerated 3% KCl water or KCl substitute
TD	Gel/polyacrylamide polymer w/5-10% LCM

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.

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SEP 30 1992

DIVISION OF  
OIL GAS & MINING

EIGHT POINT PLAN

NATURAL BUTTES UNIT 355-19E

PAGE NO. 2

6. VARIANCE REQUESTS:

- A. Enron requests a variance to regulations requiring a straight run blooie line. (There will be two targeted tees in blooie line).
- B. Enron requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. Enron requests a variance to regulations requiring 100' distance between well bore and end of blooie line. (Not possible on this location due to topography). Blooie line will be 75' on NBU 355-19E.

7. EVALUATION PROGRAM:

Logs: Dual Laterolog/GR From base of surface casing to TD.  
FDC-CNL/GR/Caliper TD to 3100'  
Linear 2" DLL.

Cores: None Programmed.  
DST' : None Programmed.

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

9. 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 355-19E  
Lease Number: U-0581  
Location: 1980' FWL & 660' FNL NE/NW Sec. 19 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 14.6 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. This location sits on an existing road. Existing road will be re-routed around location. See attached location layout land 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 - One
- C. Temporarily abandoned wells - None
- D. Disposal wells - None
- E. Drilling wells - None
- F. Producing wells - Nine - 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 northeast 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 400' from proposed location to a point in the NE/NW of Sec. 19, 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 north 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 southeast side of location.

The flare pit will be located downwind of the prevailing wind direction on the south 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 north side.

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.
- \_\_\_\_\_ 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.

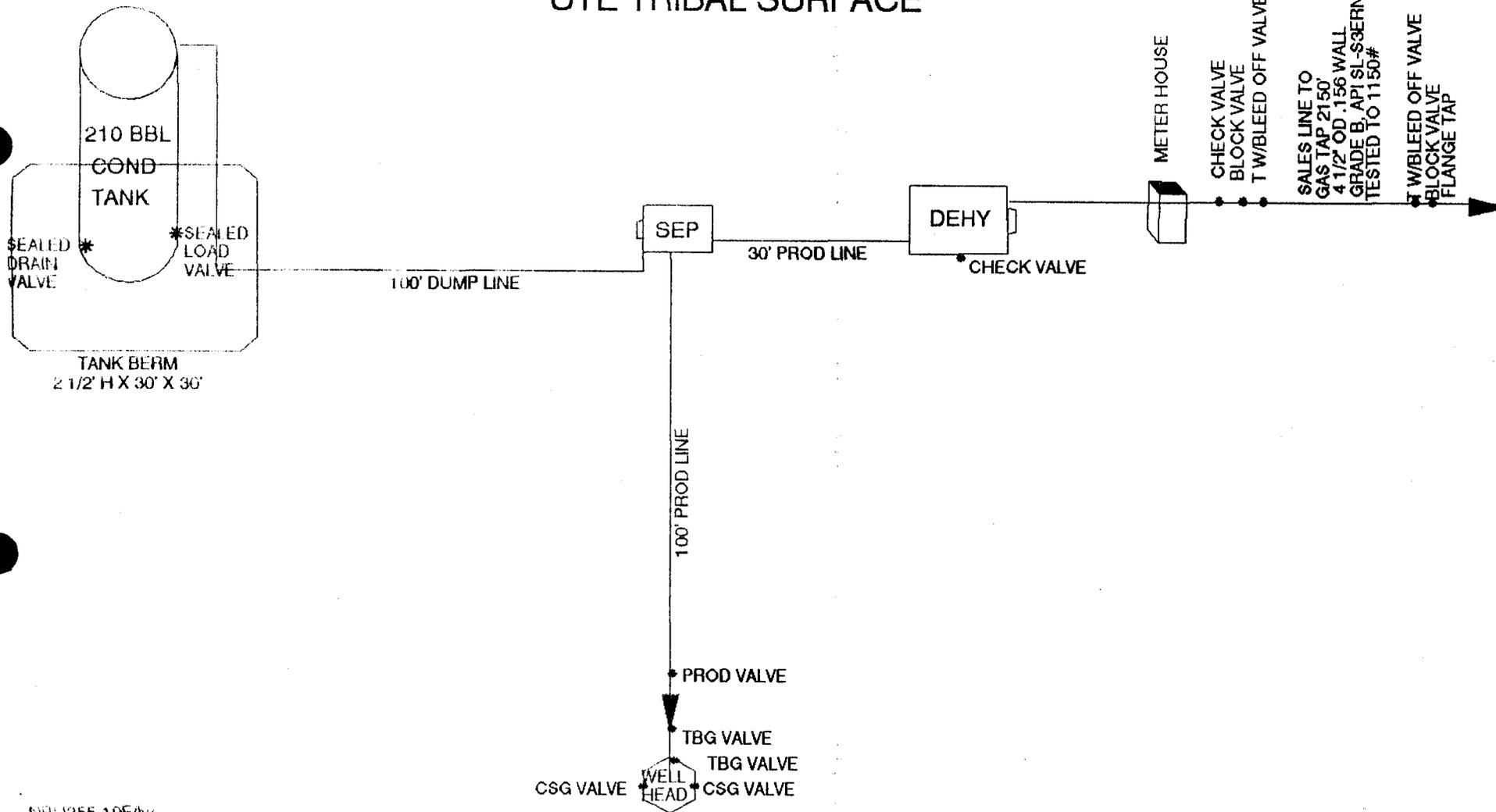
Certification:

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.

September 23, 1992  
DATE

George R. McBride *By Lkw*  
GEORGE R. MCBRIDE  
PRODUCTION FOREMAN

NATURAL BUTTES UNIT 355-19E  
 SECTION 19, T9S, R21E  
 UINTAH COUNTY, UTAH  
 FEDERAL LEASE #U-0581  
 UTE TRIBAL SURFACE



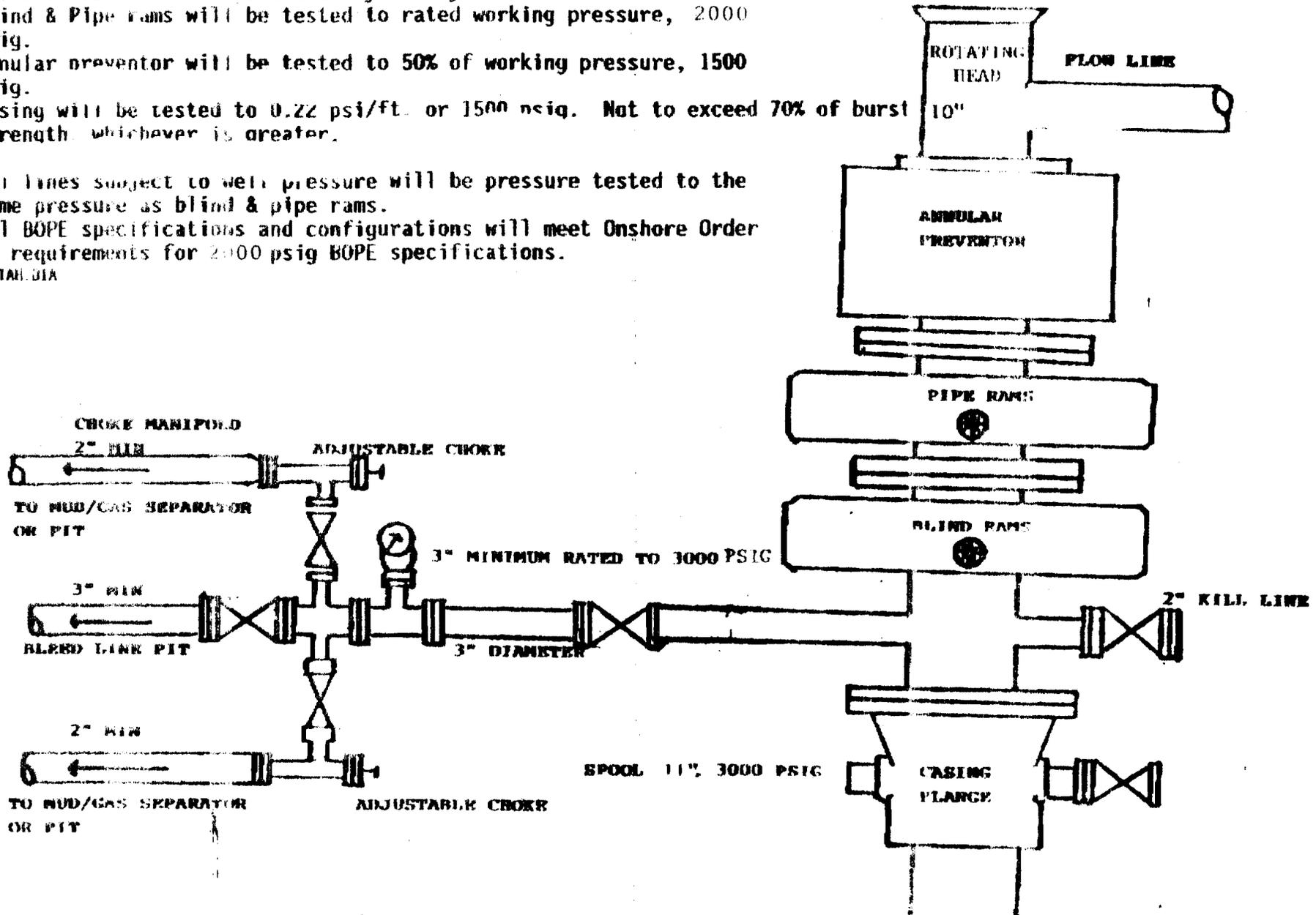
2000 PSIG BOP DIAGRAM

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



DRILLING PROGRAM

Date: August 14, 1992

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

PROSPECT: NATURAL BUTTES UNIT LEASE: U-0581 (0050622-000)

WELL NAME & NUMBER: Natural Buttes Unit 355-10F

WELL CLASSIFICATION: DW-GAS ANTICIPATED PRODUCTION: OIL    GAS X OTHER   

LOCATION CALL: 660' FNL & 1980' FWL (NE NW)  
Section 19, T9S, R21E  
Uintah County, Utah

ELEVATION: NA

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: 7100' PERMIT DEPTH: 7100'

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 4500'+.

**RECEIVED**

SEP 30 1992

DIVISION OF  
OIL GAS & MINING

## STAGE COLLARS, BASKETS, OTHER SPECIAL EQUIPMENT:

Surface - Guide shoe  
Production - Guide shoe and differential fill float collar with top plug.  
Marker joints @ 3000'± and 5000'±.

PUMPING RATES/SPECIAL INSTRUCTIONS: Reciprocate casing if possible.

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

FDC/DSN/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.

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.
TD	8.5-9.2	38-45	10-15	Gel/polyacrylamide polymer w/5-10% LCM.

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. Mix 700-800 bbls mud @ TD as above & displace hole prior to tripping for logs.

**CEMENT PROGRAM**

HOLE SIZE	CASING SIZE	DEPTH	CEMENT PROCEDURE
12 1/2"	9 1/2"	240'	Cement w/125 sx Class "C" cement + 2% CaCl <sub>2</sub> + 1#/sx celloflake. Circulate gelled water ahead of slurry.
7 1/2"	4 1/2"	7100'	Cover interval from TD to 4500'± w/50/50 Poznix - 2% gel - 10% salt. Volume to be calculated from caliper log annular volume to 4500' plus 10% excess.  Cover interval from 4500'± to depth specified in conditions of approval with light cement plus specified additives. Volume to be calculated from caliper log annular volume from 4500'± to applicable upper depth plus 5% excess.  Circulate casing 2 hrs before cementing. Reciprocate casing during cementing. Pump 10 bbls mud flush ahead of slurry.

**CASING PROGRAM**

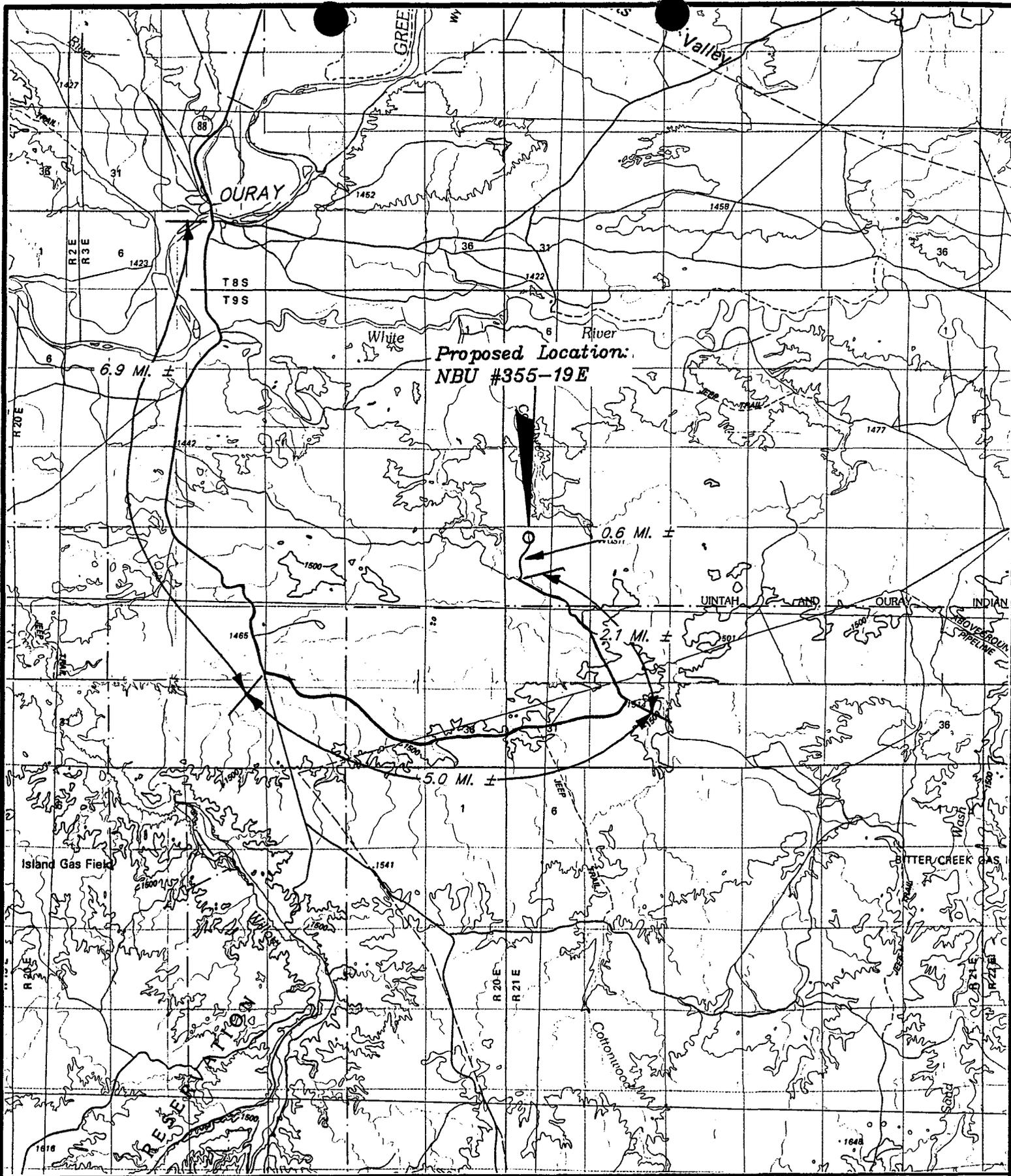
INTERVAL				WEIGHT			MINIMUM SAFETY FACTOR		
SIZE	FROM	TO	LENGTH	#/FT.	GRADE	THREAD	COLLAPSE (psig)	BURST (psig)	TENSILE (psig)
9-5/8"	0'	240'	240'	32.3#	H-40	ST&C	1400	2270	254,000
4-1/2"	0'	7100'	7100'	10.5#	J-55	ST&C	4010	4790	146,000

**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





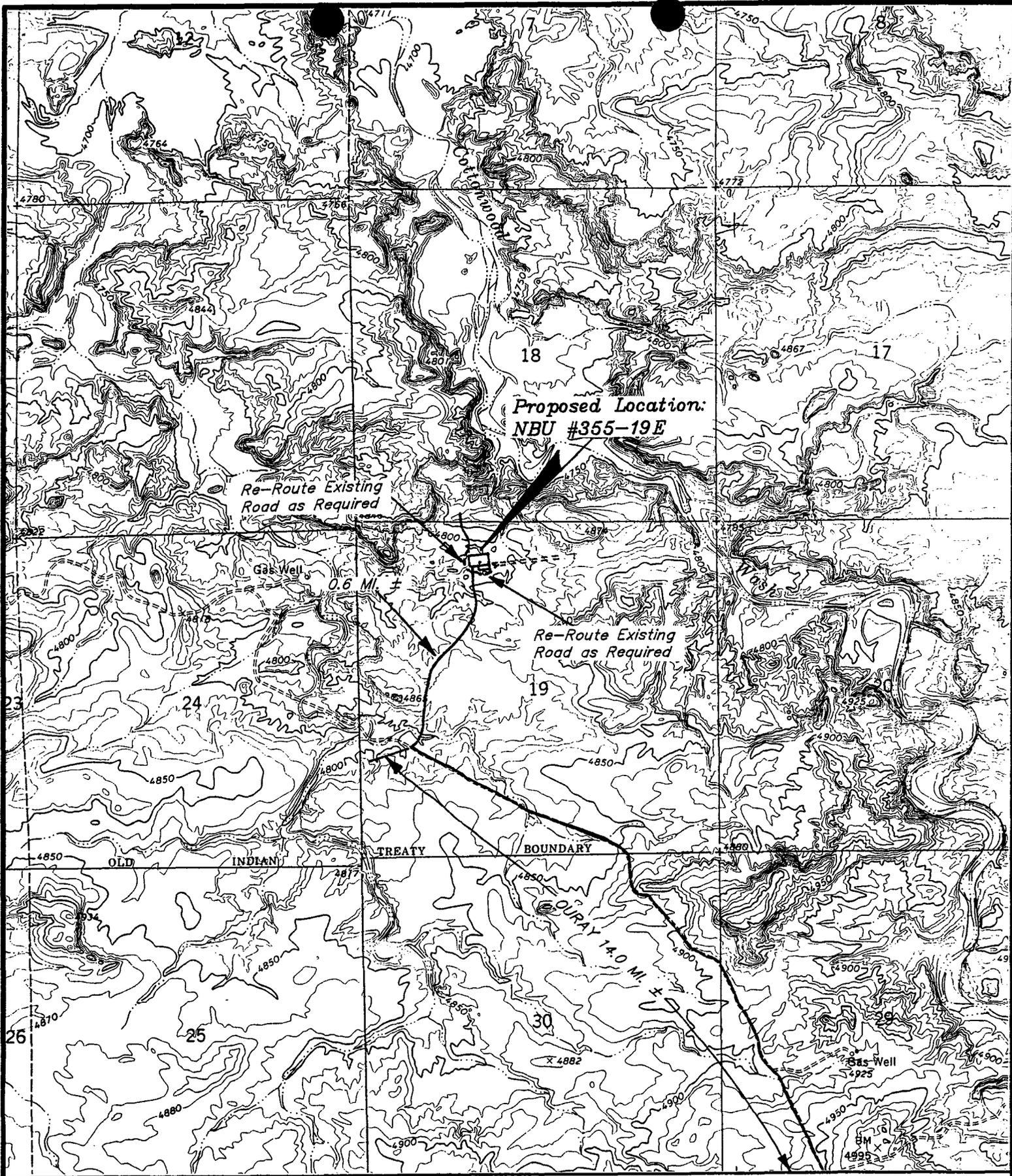
TOPOGRAPHIC  
MAP "A"

DATE 9-6-92 J.L.G.



**ENRON OIL & GAS CO.**

NBU #355-19E  
SECTION 19, T9S, R21E, S.L.B.&M.



**Proposed Location:  
NBU #355-19E**

Re-Route Existing  
Road as Required

Re-Route Existing  
Road as Required

Gas Well  
0.6 Mi ±

TREATY BOUNDARY

OLD INDIAN

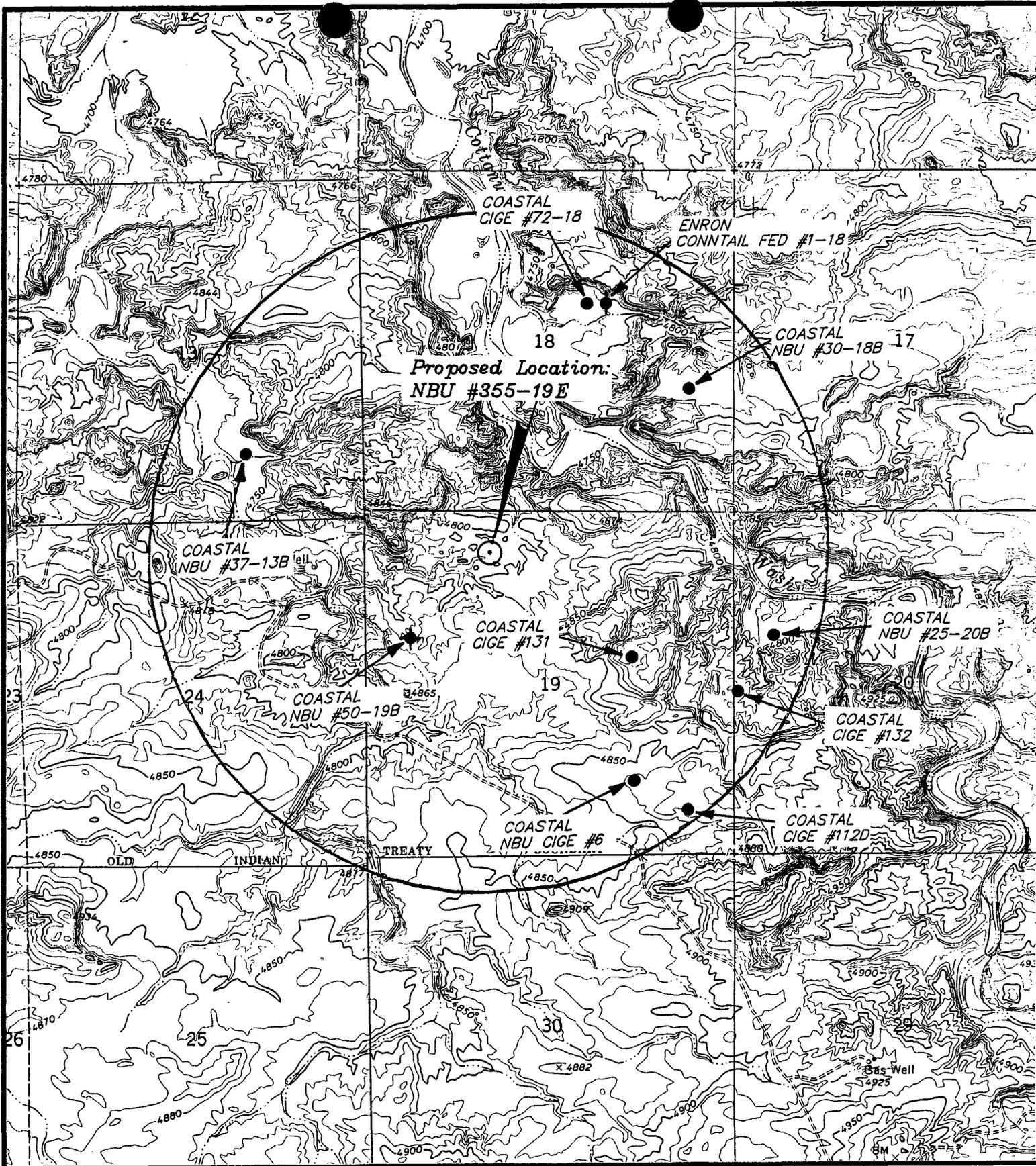
14.0 Mi ±

Gas Well  
4925

TOPOGRAPHIC  
MAP "B"  
SCALE: 1" = 2000'  
DATE 9-6-92 J.L.G.



**ENRON OIL & GAS CO.**  
NBU #355-19E  
SECTION 19, T9S, R21E, S.L.B.&M.



**LEGEND:**

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



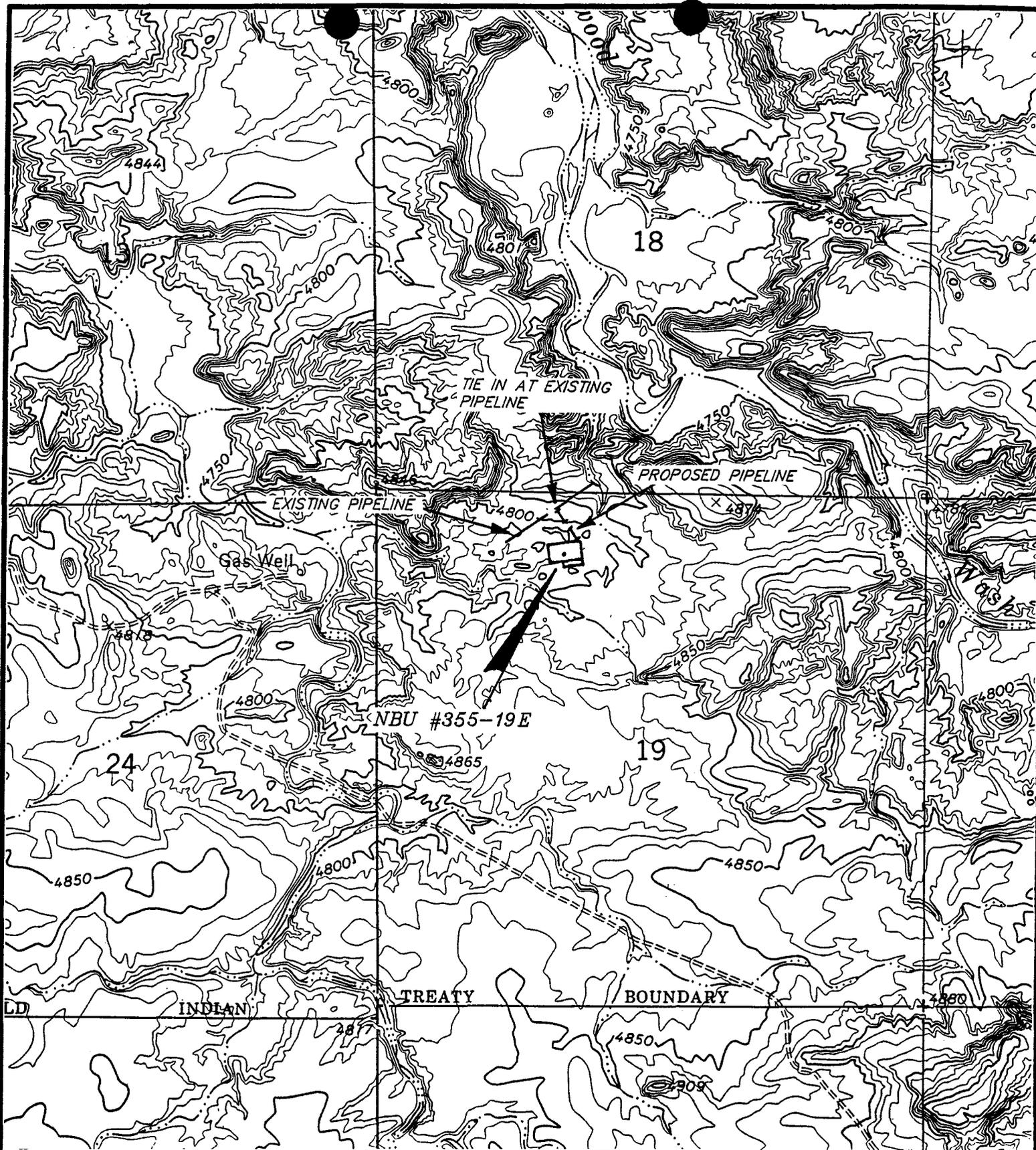
**ENRON OIL & GAS CO.**

NBU #355-19E

SECTION 19, T9S, R21E, S.L.B.&M.

TOP O MAP "C"

DATE: 9-6-92 J.L.G.



TOTAL PIPELINE DISTANCE = 400' ±

TOPOGRAPHIC  
MAP "D"

LEGEND

- EXISTING PIPELINE
- - - - - Proposed Pipeline



**ENRON OIL & GAS CO.**

PROPOSED PIPELINE RIGHT-OF-WAY FOR  
NBU #355-19E  
SECTION 19, T9S, R21E, S.L.B.&M.

DATE: 9-7-92

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 09/30/92

OPERATOR: ENRON OIL & GAS COMPANY  
WELL NAME: NBU 355-19E

OPERATOR ACCT NO: N-0401

API NO. ASSIGNED: 43-047-30380

LEASE TYPE: FED LEASE NO: U-0581  
LOCATION: NENW 19 - T09S - R21E UINTAH COUNTY  
FIELD: NATURAL BUTTES FIELD CODE: 1030

RECEIVED AND/OR REVIEWED:

- Plat
- Bond  
(Number federal)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
(Number 44-1501)
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

- R649-2-3. Unit: Natural Buttes
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.
- Board Cause no: \_\_\_\_\_
- Date: \_\_\_\_\_

COMMENTS: Included in 4<sup>th</sup> supplemental POD app. 8-7-90.  
Oil shale area  
Designation of Agent included in file

STIPULATIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# 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

October 5, 1992

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

Gentlemen:

Re: Natural Buttes Unit 355-19E Well, 660 feet from the north line, 1980 feet from the west line, NE 1/4 NW 1/4, Section 19, 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, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, 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.

Page 2  
Enron Oil and Gas Company  
Natural Buttes Unit 355-19E Well  
October 5, 1992

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

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 43-047-32382.

Sincerely,



R.J. Fitch  
Associate Director, Oil and Gas

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

DOGMAH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

2. DEPTH OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

3. NAME OF OPERATOR  
Enron Oil & Gas Company

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

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At Surface  
1980' FWL & 660' FNL NE/NW  
At proposed prod. zone

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

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
1980'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DRILLING COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.  
2680'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4792' Graded Ground

5. LEASE DESIGNATION AND SERIAL NO.  
U-0581

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.  
355-19E

10. FIELD AND POOL, OR WILDCAT  
NBU/Wasatch

11. SEC. T. R. M. OR BLM. AND SURVEY OR AREA  
Sec. 19, T9S, R21E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

10. NO. OF ACRES IN LEASE  
2399.63

17. NO. OF ACRES ASSIGNED TO THIS WELL  
80

19. PROPOSED DEPTH  
7100'

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START  
November 1992

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
7 7/8"	4 1/2"	10.5#	7100'	+ 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).

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"
- Gas Sales Pipeline Exhibit "D"

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SEP 24 1992

Enron Oil & Gas Company will be the designated operator of the subject well under Nation Wide Bond #81307603.

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.

SIGNED Linda L. Wall TITLE Sr. Admin. Clerk DATE 9/23/92

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE NOV 13 1992  
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

44080-AM-292

UNITED STATES GOVERNMENT  
memorandum

NOV 09 1992

DATE:

REPLY TO  
ATTN OF:

Superintendent, Uintah & Ouray Agency

SUBJECT:

Concurrence Letter for Enron Oil & Gas Company,  
NBU #310-24 NEL/4 Section 24 T.9S., R.21 E., S.L.B.&M.  
NBU #355-19E NWL/4 Section 19 T.9S., R.21 E., S.L.B.&M.

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NOV 10 1992

TO:

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

Based on available information received on November 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)

Environmental Analysis Report REMARKS:6. MITIGATION STIPULATIONS:  
See Attached Environmental Analysis Report. STRICT ADHERANCE TO THE  
PROVISIONS FOR MITIGATION ARE REQUIRED.

The Ute Tribe Energy & Minerals Department has the following stipuations:

1. Company must notify Ute Tribe for monitoring of the construction of access road and wellsites by Energy & Minerals technician.
2. Construction work to done on project as authorized for right-of-way only. Construction work must stay within approved area only, in the event work area exceeds approved area the Ute Tribe will be notified for further mitigation.
3. In event any archeological/paleontological findings are encountered or exposed during construction the Ute Tribe Energy & Minerals Department shall be contacted and consulted for further mitigation.
4. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the areas examined, as referenced in report, and to the existing roadway or access routes.
5. All personnel should refrain from collecting artifacts and from disturbing any significant cultural/paleontological resources on all tribal lands.



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NOV 10 1992

**SITE SPECIFIC  
ENVIRONMENTAL ANALYSIS**

**1.0 PROPOSED ACTION**

Enron Oil & Gas Co. is proposing to drill a gas well and  
construct an access road and pipeline.

**2.0 ALTERNATIVE ACTIONS**

- A. ALTERNATIVE CONSIDERED: The proposed action is the preferred alternative.
- B. NO ACTION: Under the no action alternative the proposed action would not be implemented.
- C. OTHER: NA

**3.0 PERMITTEE/LOCATION**

- A. Permittee Enron Oil & Gas Co.
- B. Date 9-9-92
- C. Well number NBU #355-19E
- D. Right-of-way Pipeline right-of-way serving NBU #305-19E
- E. Site location NENW Section 19 T 9S R 21E Meridian SLB&M

**4.0 SITE SPECIFIC SURVEY**

**A. SITE DESCRIPTION**

1. Elevation (feet) 4793
2. Annual precipitation (inches) 4-8
3. Topography Rolling hills
4. Soil texture (0 to 6") clay
5. Estimated infiltration rate:  
Slow x Moderate \_\_\_\_\_ High \_\_\_\_\_

**B. VEGETATION**

1. Habitat Type:  
x Semi-desert shrub \_\_\_\_\_ Upland Pinion/Juniper  
\_\_\_\_\_ Upland shrub \_\_\_\_\_ Mountain  
Other: \_\_\_\_\_
2. Percent Ground Cover 15 %

3. Vegetation: (Estimated % composition)

- a. Grasses: 10 %
- |                                       |                                    |
|---------------------------------------|------------------------------------|
| <u>      </u> Western wheatgrass      | <u>  3  </u> Indian ricegrass      |
| <u>      </u> Needle-and-thread grass | <u>      </u> Three-awn            |
| <u>      </u> Idaho fescue            | <u>      </u> Wire grass           |
| <u>      </u> Prairie junegrass       | <u>      </u> Bluebunch wheatgrass |
| <u>      </u> Tall wheatgrass         | <u>      </u> Slender wheatgrass   |
| <u>      </u> Great Basin wildrye     | <u>  1  </u> Galleta               |
| <u>      </u> Kentucky bluegrass      | <u>      </u> Orchard grass        |
| <u>      </u> Thickspike wheatgrass   | <u>  3  </u> Squirrel tail         |
| <u>      </u> Blue gramma             | <u>      </u> Bluegrasses          |
| <u>      </u> Brome grasses           | <u>      </u> Dropseed             |
| <u>  3  </u> Annuals                  | <u>      </u>                      |
- b. Forbs: 8 %
- |                                 |                             |
|---------------------------------|-----------------------------|
| <u>      </u> Russian thistle   | <u>      </u> Daisy         |
| <u>      </u> Globemallow       | <u>      </u> Mules Ear     |
| <u>      </u> Kochia            | <u>  2  </u> Garlic         |
| <u>  1  </u> Astragalus         | <u>  2  </u> Annuals        |
| <u>      </u> Indian paintbrush | <u>      </u> Shooting star |
| <u>  3  </u> Halogeton          |                             |
| <u>      </u> Ragweed           |                             |
- c. Shrubs: 82 %
- |                                 |                                |
|---------------------------------|--------------------------------|
| <u>      </u> Fourwing saltbush | <u>      </u> Snowberry        |
| <u>      </u> Black sagebrush   | <u>      </u> Pricklypear      |
| <u>  12  </u> Rabbitbrush       | <u>      </u> Greasewood       |
| <u>      </u> Mountain mahogany | <u>  5  </u> Shadscale         |
| <u>      </u> Serviceberry      | <u>      </u> Horsebrush       |
| <u>      </u> Bitterbrush       | <u>  50  </u> Nuttall saltbush |
| <u>      </u> Big sagebrush     | <u>      </u> Spiny Horsebrush |
| <u>  5  </u> Yellow Brush       | <u>  10  </u> Other            |
- d. Trees: 0 %
- |                             |                               |
|-----------------------------|-------------------------------|
| <u>      </u> Pinion        | <u>      </u> Douglas fir     |
| <u>      </u> Juniper       | <u>      </u> Lodgepole pine  |
| <u>      </u> Cottonwood    | <u>      </u> Engleman spruce |
| <u>      </u> Russian olive |                               |
| <u>      </u> Tamarix       |                               |
| <u>      </u> Ponderosa     |                               |

4. Observed Threatened & Endangered species: None
5. Potential For Threatened & Endangered species: x Slight        Moderate        High
6. If moderate or high describe: NA
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

7. Observed Noxious Weeds: 1) None 2) \_\_\_\_\_  
3) \_\_\_\_\_ 4) \_\_\_\_\_

C. AFFECTED ENVIRONMENTAL

Initial survey:

1. Surface damages as a result of the initial survey:  
\_\_\_\_\_ yes x no

2. If answer to (1) is yes describe: NA

4.1 WILDLIFE

A. POTENTIAL SITE UTILIZATION

1. Big Game	2. Small Game	3. Raptor/Bird
<u>   </u> Deer	<u>  x  </u> Rabbit	<u>   </u> Bald eagle
<u>   </u> Elk	<u>   </u> Pheasant	<u>  x  </u> Golden eagle
<u>   </u> Moose	<u>  x  </u> Dove	<u>   </u> Ferruginous hawk
<u>   </u> Bear	<u>   </u> Sage grouse	<u>   </u> Swanson hawk
<u>  x  </u> Antelope	<u>   </u> Ruffed grouse	<u>  x  </u> Redtail hawk
<u>   </u>	<u>   </u> Blue grouse	<u>   </u> Perigrine falcon
<u>   </u>	<u>   </u> Chucker	<u>   </u> Prairie falcon
<u>   </u>	<u>   </u> partridge	<u>  x  </u> Songbird
<u>   </u>		

4. Other	5. Non-Game Wildlife
<u>  x  </u> Horses	<u>  x  </u> Reptile
<u>  x  </u> Cattle	<u>   </u> Prairie dog
<u>   </u> Sheep	<u>  x  </u> Rodent
<u>   </u>	<u>  x  </u> Coyote
<u>   </u>	<u>  x  </u> Fox

6. Threatened & Endangered Species

a. Observed Threatened & Endangered species:  
1) None 2) \_\_\_\_\_ 3) \_\_\_\_\_

b. Potential for Threatened & Endangered species:  
  x   Slight     Moderate     High

c. If moderate or high, describe: NA  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**4.2 PRESENT SITE USE**

A. USAGE

<u>  x  </u>	Rangeland	Acres	<u>      </u>	Irrigable land
<u>      </u>	Woodland	Acres	<u>  2.86  </u>	Non-Irrigable land
<u>      </u>	Commercial		<u>      </u>	Floodplain
	timber		<u>      </u>	Wetland
	Riparian			
<u>Other: NA</u>				

**4.3 CULTURAL RESOURCES**

A. CULTURAL SURVEY

The well site   x  , access road       , and pipeline right of-way   x   have been cleared by a qualified archaeologist/paleontologist. Name & Organization: Metcalf Archaeological Consultants, Inc. - James A. Truesdale

**5.0 ENVIRONMENTAL IMPACTS**

A. SURFACE ALTERATIONS

- 1. Access road       0       acres
- 2. Well site       1.75       acres
- 3. Right-of-way       0.11       acres
- 4. Total disturbed       2.86       acres

B. VEGETATION/LANDSCAPE

- 1. Production loss (AUM's):   0.14/year
- 2. Permanent scar on landscape:        Yes   x   No
- 3. Potential impacts to Threatened & Endangered species:  
       Yes   x   No

C. SOIL/RANGE/WATERSHED

- 1. Increased soil erosion, Wind   x   Yes        No
- 2. Increased soil erosion, Water   x   Yes        No
- 4. Increased salt loading potential   x   Yes        No
- 5. Reduced rangeland   x   Yes        No
- ~~6. Reduced irrigated cropland        Yes   x   No~~
- 7. Increased run-off in watershed   x   Yes        No
- 8. Potential point source water pollution        Yes   x   No
- 9. If answer to (8) is   Yes   Describe:   NA

D. WILDLIFE/THREATENED & ENDANGERED SPECIES

- |  |                   |                  |
|--|-------------------|------------------|
| 1. Decreased wildlife habitat/grazing                      | <u>  x  </u> Yes  | <u>      </u> No |
| 2. Potential increase in wildlife disturbance and poaching | <u>  x  </u> Yes  | <u>      </u> No |
| 3. Potential impacts to Threatened Endangered species:     | <u>      </u> Yes | <u>  x  </u> No  |
| 4. Potential threat to critical wildlife habitat           | <u>      </u> Yes | <u>  x  </u> No  |
| a. If answer to (4) is yes, describe:                      | <u>  NA  </u>     |                  |

6.0 MITIGATION STIPULATIONS

A. VEGETATION/LANDSCAPE

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-way. If noxious weeds spread from the well sites or rights-of-way, the company will also be responsible for their control.

B. SOILS/RANGE/WATERSHEDS

1. Soil erosion will be mitigated by reseeded all disturbed areas and by installing the following practices:
 

a. Diversion ditches	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> feet
b. Dikes	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> feet
c. Desilting ponds	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> number
d. Drop structure	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> number
e. Gully plugs	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> number
f. Low water crossing	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> number
g. Culverts	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> number
h. Water bars	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> number
i. Fencing	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> rods
j. Cattleguards	<u>      </u> Yes	<u>  x  </u> No	<u>      </u> number
k. Other, describe:	<u>  NA  </u>		

2. Salt and pollution loading of the soil and geological formations will be mitigated by requiring the oil company to:

a. Line reserve pits with impervious synthetic liners  yes  no

b. Use a closed drilling system  yes  no  
1. Reason(s): \_\_\_\_\_  
\_\_\_\_\_

c. Use a closed production system  yes  no  
1. Reason(s): \_\_\_\_\_  
\_\_\_\_\_

d. Use an unlined emergency pit  yes  no  
1. Use a synthetic liner  yes  no  
2. Use a man made container  yes  no  
3. Reason(s): \_\_\_\_\_  
\_\_\_\_\_

e. Production water, oil, and other by-products will not be applied to roads or well pads for the control of dust or weeds. Indiscriminate dumping of oil field by-products on tribal lands will not be allowed.

3. When the well is plugged and/or abandoned the gravel and road base hauled in to construct the well pad and access roads will be:

a. Hauled off  yes  no

b. Incorporated into the soil  yes  no

4. Soil compaction of the well pads and roads will be mitigated by ripping.

C. WILDLIFE/VEGETATION/THREATENED & ENDANGERED SPECIES

1. Upon Identification of Threatened & Endangered species, ~~the following measures will be applied: NA~~  
\_\_\_\_\_  
\_\_\_\_\_

2. Modifications to surface use will be implemented to protect the specific wildlife species encountered.

D. CULTURAL RESOURCES

All well sites, access roads, and pipeline rights-of-way will be cleared by a qualified archaeologist/paleontologist so that cultural sites will be avoided or salvaged.

7.0 UNAVOIDABLE ADVERSE IMPACTS

A. SURFACE ALTERATIONS

None of the adverse impacts listed in 5.0 above can be avoided in a practical manner except those which are mitigated in item 6.0 above and those specified in BLM's 13 point surface use plan.

B. RELATIONSHIP BETWEEN SHORT-TERM USE OF THE ENVIRONMENT VS LONG TERM PRODUCTIVITY.

1. Short Term: (Estimated 20 years) A total loss of production on the land and the associated environmental impacts will continue to influence the surrounding area for the productive life of the well.
2. Long Term: Standard policies provide for rehabilitation of the well sites and access roads. After the land is rehabilitated, it is not expected to return to its original productive capability. Normally, there will be a permanent scar left on the landscape.

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT

Oil and Gas are non-renewable resources, once they have been removed they can never be replaced.

8.0 CUMULATIVE IMPACTS

A. FULL DEVELOPMENT

Each additional well drilled for development increases the soil erosion potential, reduces wildlife habitat and grazing, increases potential soil and geologic pollution resulting from salt loading, reduces the soil's potential to recover, and increases the potential of water pollution from produced waters and hydro-carbons. Therefore, strict conformance with the mitigation measures and recommendations in this document is emphasized to minimize the adverse environmental impacts.

9.0 NEPA COMPLIANCE

A. RESEARCH/DOCUMENTATION

Based on available information, 8-9-92, the proposed location in the following areas of environmental impacts has been cleared:

<u>  x  </u>	Yes	<u>      </u>	No	Listed Threatened & Endangered species
<u>  x  </u>	Yes	<u>      </u>	No	Critical wildlife habitat
<u>  x  </u>	Yes	<u>      </u>	No	Historical and cultural resources

10.0 REMARKS

A. SURFACE PROTECTION/REHABILITATION

All essential surface protection and rehabilitation requirements are specified above.

11.0 RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

We recommend approval   x   disapproval        of the proposed action as outlined in item 1.0 above.

9-25-92  
Date

Dale A. Hamber  
Representative - BIA Land Operations,  
Uintah and Ouray Agency

12.0 REVIEWING OFFICIAL

A. CONCURRENCE

We concur with the approval   ✓   disapproval        of the ~~proposed action as outlined in item 1.0 above.~~

9-30-92  
Date

Mary Ann  
Environmental Coordinator,  
Uintah and Ouray Agency

13.0 DECLARATION

A. APPROVAL

It has been determined that the proposed action is not a federal action significantly affecting the quality of the environment as it would require the preparation of an environmental impact statement in accordance with Section 102 (2) (c) of the National Environmental Policy Act of 1969 (42 USC 4331) (2) (C).

10-9-82  
Date

  
\_\_\_\_\_  
Superintendent,  
Uintah and Ouray Agency

14.0 CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

1. Ed Trotter - Enron Oil & Gas Corp.
2. Greg Darlington - BLM
3. Alvin Ignacio - UTEM
4. Dale S. Hanberg - BIA
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

WELL LOCATION INFORMATION

Company/Operator: Enron Oil & Gas Company

API Number: 43-047-32382

Well Name & Number: NBU 355-19E

Lease Number: U-0581

Location: NENW Sec. 19 T. 9S R. 21E

Surface Ownership: Tribal Lands administered by BIA

Date NOS Received: August 18, 1992

Date APD Received: September 24, 1992

**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

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 a 2M system 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.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

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 top of the Mahogany oil shale zone, identified at  $\pm$  2,100 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) will be run from the production casing shoe to  $\pm$  1900 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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, spent 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.**

**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COAs)

**STRICT ADHERENCE TO THE PROVISIONS FOR MITIGATION ARE REQUIRED**

**Ute Tribe Energy & Minerals Department:**

1. Company must notify Ute Tribe for monitoring of the construction of access road and wellsites by Energy & Minerals technician.
2. Construction work to be done on project as authorized for right-of-way only. Construction work must stay within approved area only, in the event work area exceeds approved area the Ute Tribe will be notified for further mitigation.
3. In event any archaeological/paleontological findings are encountered or exposed during construction the Ute Tribe Energy & Minerals Department shall be contacted and consulted for further mitigation.
4. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the areas examined, as referenced in report, and to the existing roadway or access routes.
5. All personnel should refrain from collecting artifacts and from disturbing any significant cultural/paleontological resources on all tribal lands.

**Other:**

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-way. If noxious weeds spread from the well sites or rights-of-way, the company will also be responsible for their control.
3. Salt and pollution loading of the soil and geological formations will be mitigated by requiring the oil company to:
  - Line reserve pits with impervious synthetic liners.
  - Use a closed production system.
  - Emergency pits will be a man made container.
  - Production water, oil, and other by-products will not be applied to roads or well pads for the control of dust or weeds. Indiscriminate dumping of oil field by-products on tribal lands will not be allowed.
4. When the well is plugged and/or abandoned the gravel and road base hauled in to construct the well pad and access roads will be incorporated into the soil.
5. Soil compaction of the well pads and roads will be mitigated by ripping.
6. All well sites, access roads, and pipeline rights-of-way will be cleared by a qualified archaeologist/paleontologist so that cultural sites will be avoided or salvaged.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: ENRON 43-047-32382

WELL NAME: NBU 355-19E

Section 19 Township 9S Range 21E County UINTAH

Drilling Contractor VECO

Rig # 16

SPUDDED: Date 12/31/92

Time 2:30 PM

How DRY HOLE

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

Reported by ED TROTTER

Telephone # 1-789-0790

Date 12/31/92 SIGNED CJK

# ENRON Oil & Gas Company

P.O. Box 250 Big Piney, Wyoming 83113 (307) 276-3331

January 6, 1993

Mr. Ed Forsman  
Bureau Of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

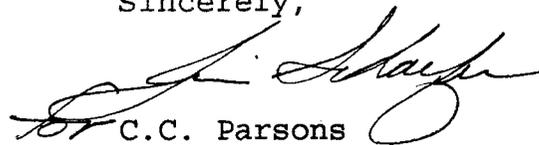
RE: NATURAL BUTTES UNIT 355-19E  
LEASE: U-0581  
NENW, SEC. 19, T9S, R21E  
NATURAL BUTTES UNIT 358-1E  
LEASE: U-02270-A  
SWSE, SEC. 1, T10S, R20E  
UINTAH COUNTY, UTAH

Dear Mr. Forsman:

Please find attached the Sundry Notices of spudding of the referenced wells.

If further information is required, please contact this office.

Sincerely,



C.C. Parsons  
District Manager

kc

cc: UOG&M  
D. Weaver  
T. Miller  
J. Tigner - 2043  
Vernal Office  
File

**RECEIVED**

JAN 11 1993

DIVISION OF  
OIL GAS & MINING

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)  
**1980' FWL - 660' FNL (NE/NW)  
SECTION 19, T9S, R21E**

5. Lease Designation and Serial No.  
**U-0581**

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 355-19B**

9. API Well No.  
**43-047-32382**

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

11. COUNTY STATE  
**UINTAH, UTAH**

12. CHECK APPROPRIATE BOX(S) 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>SPODDING</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).

Enron Oil & Gas Company spudded 12-1/4" surface hole at the subject location at 2:30 on 12-31-92. The contractor was Leon Ross Drilling & Construction, Inc. Tim Ingwell, of the Vernal BLM District office was notified of spud by telephone on 12-31-92.

**RECEIVED**

JAN 11 1993

DIVISION OF  
BUREAU OF LAND MANAGEMENT

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

SIGNED Daly Carlson TITLE Regulatory Analyst DATE 1-6-93

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

# ENRON

## Oil & Gas Company

P.O. Box 250 Big Piney, Wyoming 83113 (307) 276-3331

January 21, 1993

Mr. Ed Forsman  
Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: NATURAL BUTTES UNIT 355-19E  
LEASE: U-0581  
NE/NW, SEC. 19, T9S, R21E  
UINTAH COUNTY, UTAH

Dear Mr. Forsman:

Please find attached a Sundry Notice of water encountered while drilling the subject well.

If you require additional information, please contact this office.

Sincerely,



C.C. Parsons  
District Manager

JLS/jls

cc: UOG&M  
D. Weaver  
A.C. Morris  
J. Tigner - EB 2043  
Vernal Office  
File

**RECEIVED**

JAN 26 1993

DIVISION OF  
OIL GAS & MINING

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		5. Lease Designation and Serial No.
<input type="checkbox"/> Oil Well	<input checked="" type="checkbox"/> Gas Well	<b>U-0581</b>
2. Name of Operator		6. If Indian, Allottee or Tribe Name
<b>ENRON OIL &amp; GAS COMPANY</b>		<b>UTE TRIBAL SURFACE</b>
3. Address and Telephone No.		7. If Unit or C.A., Agreement Designation
<b>P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331</b>		<b>NATURAL BUTTES UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		8. Well Name and No.
<b>1980' FWL - 660' FNL (NE/NW)</b>		<b>NATURAL BUTTES 355-19E</b>
<b>SECTION 19, T9S, R21E</b>		9. API Well No.
		<b>43-047-32382</b>
		10. Field and Pool or Exploratory Area
		<b>NBU/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 <u>WATER ENCOUNTERED</u>
	<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).

Water was encountered while drilling the subject well at 1270' in the Uintah formation.  
Please find attached a copy of the Report of Water Encountered During Drilling (Form 7).

**RECEIVED**

JAN 26 1993

DIVISION OF  
OIL GAS & MINING

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

SIGNED Jennifer Schmidt TITLE Engineering Clerk DATE 01/21/92

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: NBU 355-19E  
API number: 43-047-32382

2. Well location: QQ NE NW section 19 township 9S range 21E county Uintah

3. Well operator: Enron Oil & Gas Company  
Address: P. O. Box 250 phone: (307) 276-3331  
Big Piney, Wyoming 83113

4. Drilling contractor: Veco, Inc. (Wg #16)  
Address: Box 1705 phone: 303-242-6912  
Grand Junction, Colo.

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
<u>1270±</u>	<u>—</u>	<u>Water encountered while surmounting drilling. Insufficient head to flow to surface without stimulation. Appears to be from water.</u>	<u>Salty</u>

6. Formation tops: Uints - surface Surface  
Gr. Tmcr - Oil Spk 1470 - Prognosis 15

If any analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name: Tom Schuster  
Title: Sr. Prod. Engr.

Signature: [Signature]  
Date: 1/21/93



Comments:

JAN 26 1993  
DIVISION OF  
OIL GAS & MINING

# ENRON

## Oil & Gas Company

P.O. Box 250 Big Piney, Wyoming 83113 (307) 276-3331

March 5, 1993

Mr. Ed Forsman  
Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: ABANDONMENT  
NATURAL BUTTES 355-19E  
LEASE: U-0581  
NE/NW, SEC. 19, T9S, R21E  
UINTAH COUNTY, UTAH

Mr. Forsman:

Please find attached a Sundry Notice describing the permanent abandonment of the subject well.

If you have any questions or require additional information regarding this matter, please contact this office.

Sincerely,

*C.C. Parsons*  
C.C. Parsons  
Division Operations Manager

From DEL TO

OIL AND GAS	
RJF	
FRM	
SLS	
GLH	
DTS	
<i>2 DMS</i>	
3	MICROFILM
4	FILE

RECEIVED

MAR 0 8 1993

DIVISION OF  
OIL GAS & MINING

# ENRON

## Oil & Gas Company

P.O. Box 250 Big Piney, Wyoming 83113 (307) 276-3331

March 5, 1993

Mr. Ed Forsman  
Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: ABANDONMENT  
NATURAL BUTTES 355-19E  
LEASE: U-0581  
NE/NW, SEC. 19, T9S, R21E  
UINTAH COUNTY, UTAH

Mr. Forsman:

Please find attached a Sundry Notice describing the permanent abandonment of the subject well.

If you have any questions or require additional information regarding this matter, please contact this office.

Sincerely,

  
C.C. Parsons  
Division Operations Manager

JLS

cc: UOG&M  
D. Weaver  
A.C. Morris  
J. Tigner - EB 2043  
Vernal Office  
File

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MAR 06 1993

DIVISION OF  
OIL GAS & MINING

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 Gas  
 WELL  Well  WIW

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)

**1980' FWL - 660' FNL (NE/NW)  
SECTION 19, T9S, R21E**

5. Lease Designation and Serial No.  
**U-0581**

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 355-19E**

9. API Well No.

**43-047-32382**

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

11. COUNTY STATE

**UINTAH 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 checked="" 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 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

(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 permanently abandoned the subject well as follows:

1. Pumped 137 sx. Class "G" cement from 5187-4897'. (1st Plug)
2. Pumped 136 sx. Class "G" cement from 2747-2387'. (2nd Plug)
3. Pumped 83 sx. Class "G" cement from 2122-1872'. (3rd Plug)
4. Pumped 54 sx. Class "G" cement from 282-182'. (4th Plug)
5. Pumped 10 sx. Class "G" cement from 46-5'. (5th Plug)

Reclamation program will be submitted by Sundry Notice prior to proceeding with any reclamation activity.

**RECEIVED**

MAR 06 1993

DIVISION OF  
OIL GAS & MINING

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

SIGNED *Jimmie Schmid* TITLE Engineering Clerk DATE 03/05/93

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

# ENRON

## Oil & Gas Company

P.O. Box 250 Big Piney, Wyoming 83113 (307) 276-3331

March 2, 1993

Mr. Ed Forsman  
Bureau of Land Management  
Vernal District  
170 South 500 East  
Vernal, Utah 84078

RE: COMPLETION REPORT  
NATURAL BUTTES 355-19E  
LEASE: U-0581  
SEC. 19, T9S, R21E  
UINTAH COUNTY, UTAH

Mr. Forsman:

Please find attached a Completion Report describing the permanent abandonment of the subject well.

If you have any questions or require additional information regarding this matter, please contact this office.

Sincerely,



C.C. Parsons  
District Manager

JLS

cc: UOG&M  
BLM - D. Chase  
D. Weaver  
A.C. Morris  
J. Tigner - EB 2043  
D. Cross - EB 2370  
Vernal Office  
File

RECEIVED

MAR 08 1993

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

See other in-  
structions on  
reverse side

Form approved  
Bureau No. G-2335.5

WELL DESIGNATION AND SERIAL NO.

U-0581

INDIAN, ALLOTTEE OR TRIBE NAME

UTE TRIBAL SURFACE

LEASE AGREEMENT NAME

NATURAL BUTTES UNIT

FARM OR LEASE NAME

NATURAL BUTTES UNIT

WELL NO.

355-19E

FIELD AND POOL OR WILDCAT

NATURAL BUTTES/WASATCH

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

SEC. 19, T9S, R21E

COUNTY OR  
PARISH

UINTAH

STATE

UTAH

12. COUNTY OR PARISH

13. STATE

14. FIELD AND POOL OR WILDCAT

15. NATURAL BUTTES/WASATCH

16. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

17. WELL NO.

18. FIELD AND POOL OR WILDCAT

19. NATURAL BUTTES UNIT

20. FARM OR LEASE NAME

21. UTE TRIBAL SURFACE

22. LEASE AGREEMENT NAME

23. INDIAN, ALLOTTEE OR TRIBE NAME

24. WELL DESIGNATION AND SERIAL NO.

25. U-0581

26. NATURAL BUTTES UNIT

27. FARM OR LEASE NAME

28. NATURAL BUTTES/WASATCH

29. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

30. COUNTY OR PARISH

31. STATE

32. FIELD AND POOL OR WILDCAT

33. NATURAL BUTTES UNIT

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35. UTE TRIBAL SURFACE

36. LEASE AGREEMENT NAME

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81. U-0581

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207. U-0581

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212. COUNTY OR PARISH

213. STATE

214. FIELD AND POOL OR WILDCAT

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221. U-0581

222. NATURAL BUTTES UNIT

223. FARM OR LEASE NAME

224. NATURAL BUTTES/WASATCH

225. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

226. COUNTY OR PARISH

227. STATE

228. FIELD AND POOL OR WILDCAT

229. NATURAL BUTTES UNIT

230. FARM OR LEASE NAME

231. UTE TRIBAL SURFACE

232. LEASE AGREEMENT NAME

233. INDIAN, ALLOTTEE OR TRIBE NAME

234. WELL DESIGNATION AND SERIAL NO.

235. U-0581

236. NATURAL BUTTES UNIT

237. FARM OR LEASE NAME

238. NATURAL BUTTES/WASATCH

239. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

240. COUNTY OR PARISH

241. STATE

242. FIELD AND POOL OR WILDCAT

243. NATURAL BUTTES UNIT

244. FARM OR LEASE NAME

245. UTE TRIBAL SURFACE

246. LEASE AGREEMENT NAME

247. INDIAN, ALLOTTEE OR TRIBE NAME

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249. U-0581

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255. STATE

256. FIELD AND POOL OR WILDCAT

257. NATURAL BUTTES UNIT

258. FARM OR LEASE NAME

259. UTE TRIBAL SURFACE

260. LEASE AGREEMENT NAME



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

PERMIT BY DUPLICATION

Form Approved  
Forest Service No. G-2355-B

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

MAR 26 1995

DIVISION OF OIL GAS & MINING

NAME OF WELL: \_\_\_\_\_  
 TYPE OF COMPLETION: \_\_\_\_\_  
 NAME OF OPERATOR: ENRON OIL & GAS COMPANY  
 ADDRESS OF OPERATOR: P.O. BOX 250 BIG PINEY, WYOMING 83113  
 LOCATION OF WELL: Report location clearly and in accordance with any orders of the Survey.  
 SURFACE: 1980' FWL - 660' FNL (NE/NW)  
 TOP PROD. INTERVAL REPORTED BELOW: SAME  
 TOTAL DEPTH: SAME

WELL DESIGNATION AND SERIAL NO.: 0-0581  
 FEDERAL, STATE OR TRIBE NAME: UTE TRIBAL SURFACE  
 STATEMENT NAME: \_\_\_\_\_  
 NATURAL BUTTES UNIT: \_\_\_\_\_  
 NATURAL BUTTES UNIT: \_\_\_\_\_  
 FIELD AND POOL OR WILDCAT: \_\_\_\_\_  
 NBU/ WASATCH

PERMIT NO.: 43-047-32382 DATE ISSUED: 10/05/92  
 COUNTY OR PARISH: UINTAH STATE: UTAH  
 DATE SPUNDED: 12/31/92 DATE T.D. REACHED: 01/30/93 DATE COMPL. BEGGIN TO PROD.: P&A'd 02/18/93  
 ELEVATIONS (OF. RES. RT. CR. ETC.): 4808' KB 19. ELEV. CASINGHEAD: 4792' P.G.L.  
 TOTAL DEPTH, MD & TD: 7100' PLUG BACK DEPTH, MD & TD: \_\_\_\_\_  
 INTERVALS FILLED BY: ROTARY  
 WAS DIRECTIONAL SURVEY MADE: NO

TYPE ELECTRIC AND OTHER LOGS RUN: CDL/DSN/GR & CALIPER, DLL/GR/CALIPER 3-23-93

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	SOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.3# H-40	230.60' KB	12-1/4"	125 sx. Class "G"	None

29. LINE RECORD

SIZE	TOP (MD)	BOTTOM (MD)	PACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PREPARATION RECORD (List type, size and number)

32. ACID SHOT, FRACTURE CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED*
5187-4827'	137 sx. Class "G" (PLUG 1)
2747-2387'	136 sx. Class "G" (PLUG 2)
2122-1872'	83 sx. Class "G" (PLUG 3)
282-182'	54 sx. Class "G" (PLUG 4)
PRODUCTION 46-5'	10 sx. Class "G" (PLUG 5)

33. PRODUCTION RECORD

DATE FIRST PRODUCTION: P&A'd 02/18/93

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): \_\_\_\_\_

WELL STATUS (Producing or shut-in): \_\_\_\_\_

DATE OF TEST	HOURS TESTED	THROCK SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Gas used for fuel, vented, etc.): \_\_\_\_\_

TEST WITNESSED BY: \_\_\_\_\_

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

SIGNED: Jenny Schmal TITLE: ENGINEERING CLERK DATE: 03/15/93

\*See instructions and spaces for additional data on reverse side

General: This form is designed for submitting a complete and correct well completion report and log on all wells. Completion logs for other wells should be submitted on a separate form. The instructions on this form and the number of copies to be submitted, pursuant to applicable Federal and/or State laws and regulations, are shown below or will be found by referring to the instructions on the back of this form. Any necessary special instructions can be obtained from the Bureau of Land Management, Office of Oil and Gas, Denver, Colorado. An attachment to this form, containing instructions for separate completions for separate completions, is available from the Bureau of Land Management, Office of Oil and Gas, Denver, Colorado. An attachment to this form, containing instructions for separate completions for separate completions, is available from the Bureau of Land Management, Office of Oil and Gas, Denver, Colorado.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Complete local location and present tests, and if applicable, State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Attachments should be listed on this form, see Item 35 or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements (multiple completions), as stated in Item 22, and in Items 22 and 24. If this well is completed for separate production from more than one interval zone (multiple completions), submit a separate report (page) on this form. A separately identified interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval pertinent to such interval for each additional interval, showing the additional data pertinent to such interval, should be separately produced, showing the details of any multiple stage cementing and the location of the cementing, and for each additional interval. Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing, and for each interval to be separately produced. (See instruction for Items 22 and 24 above)

Item 29: "Sacks Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing, and for each interval to be separately produced. (See instruction for Items 22 and 24 above)

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above)

37. SUMMARY OF FORTUIS ZONES:  
SHOW ALL IMPORTANT ZONES OF FORTUIS AND CONTENTS THEREOF. LOGS MUST BE SUBMITTED, AND RECORDED.  
DEPTH INTERVAL, TESTS, CEMENTING USED, TIME TOOK OPEN, FLOWING AND SHUT-IN PRESSURE, AND RECORDING

DESCRIPTION, COMMENTS, ETC.	DEPTH INTERVAL	TESTS	CEMENTING USED	TIME TOOK OPEN	FLOWING AND SHUT-IN PRESSURE	RECORDING
GREEN RIVER Base M Marker N Limestone WASATCH Peter's Point Chapita Wells Buck Canyon	4609' 4928' 5051' 5581' 6141'					+ 198' - 121' - 244' - 774' -1334'