

# ENRON

## OIL & GAS COMPANY

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

August 2, 1993

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

RE: APPLICATION FOR PERMIT TO DRILL  
CHAPITA WELLS UNIT 356-21  
SECTION 21, T9S, R22E  
UINTAH COUNTY, UTAH  
LEASE NO. U-0284-A  
UTE TRIBAL LANDS

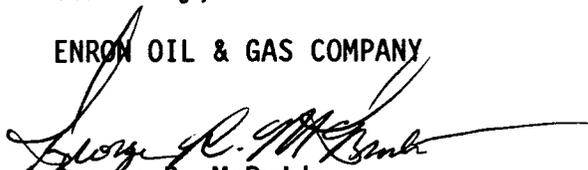
Dear Mr. Forsman:

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  
Sr. Production Foreman

### Attachments

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

/lw  
CWU356-21APD

**RECEIVED**

AUG 9 1993

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
 ENRON OIL & GAS COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 2035' FNL & 782' FWL SW/NW  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 16.9 MILES SOUTHWEST OF OURAY, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 782'

16. NO. OF ACRES IN LEASE 1240

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4524

19. PROPOSED DEPTH 6900'

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4819' GRADED GROUND

22. APPROX. DATE WORK WILL START\*  
 AUGUST 1993

5. LEASE DESIGNATION AND SERIAL NO.  
 U-0284-A

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

7. UNIT AGREEMENT NAME  
 CHAPITA WELLS UNIT

8. FARM OR LEASE NAME  
 CHAPITA WELLS UNIT

9. WELL NO.  
 356-21

10. FIELD AND POOL, OR WILDCAT  
 CWU/WASATCH

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SEC. 21, T9S, R22E

12. COUNTY OR PARISH UTAH

13. STATE UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	240'	125 SX CLASS "G" + 2% CaCl <sub>2</sub> + 1/2 #/SX CELLOFLAKE, 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG±) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).
7 7/8"	4 1/2"	10.5#	6900'	

RECEIVED  
AUG 19 1993

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 "A"
- WELLSITE SCHEMATIC

DIVISION OF  
OIL GAS & MINING

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.

24. SIGNED Linda L. Wall TITLE SR ADMIN. CLERK DATE 8/2/93

(This space for Federal or State office use)

PERMIT NO. 43-047-32442

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

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

APPROVAL DATE 8-11-93  
BY: [Signature]  
WELL NO. 356-21

\*See Instructions On Reverse Side

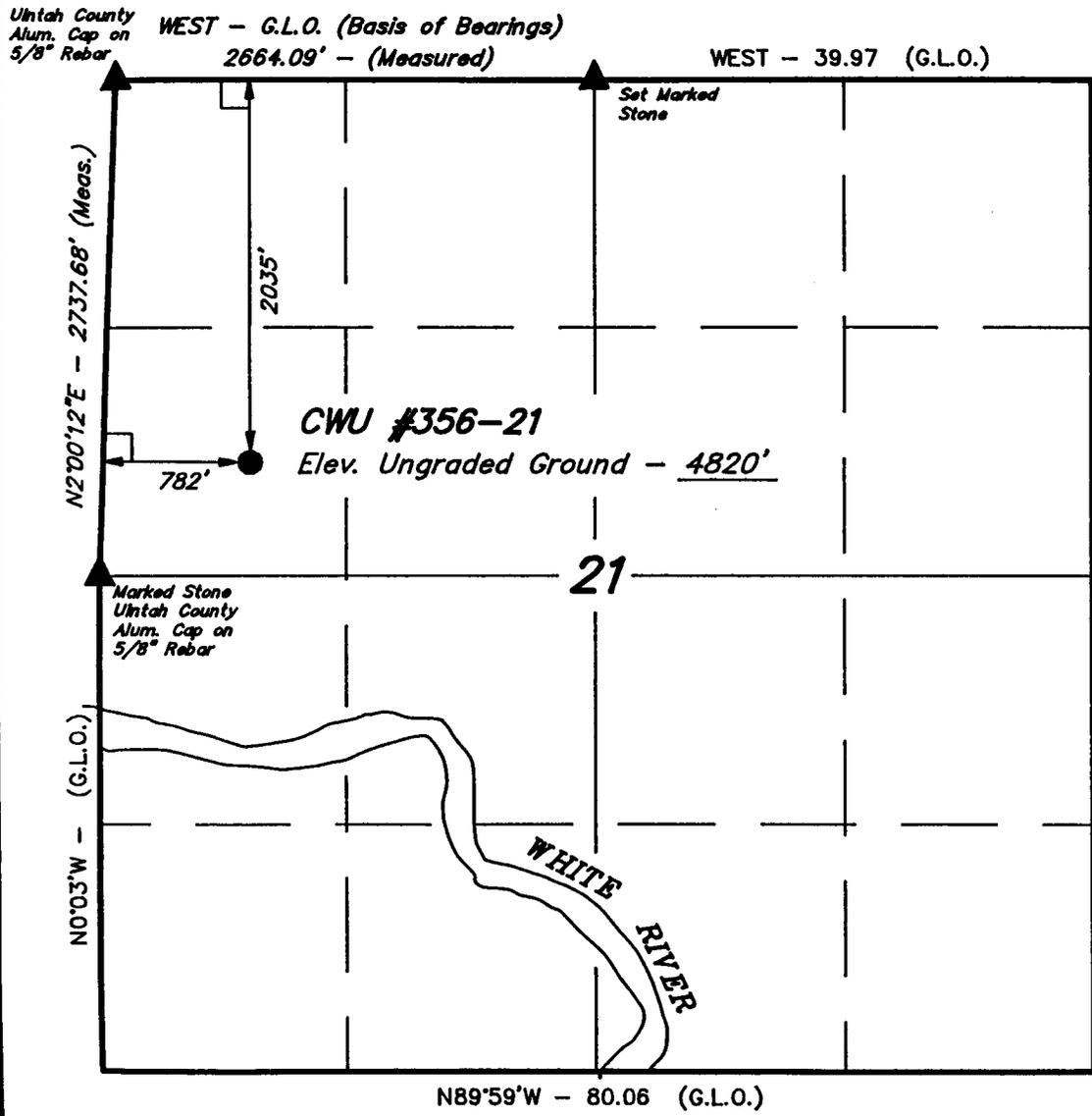
**ENRON OIL & GAS CO.**

**T9S, R22E, S.L.B.&M.**

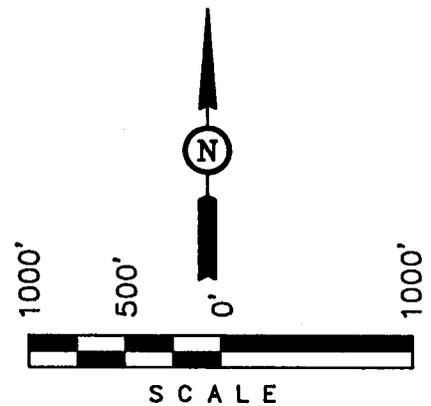
Well location, CWU #356-21, located as shown in the SW 1/4 NW 1/4 of Section 21, T9S R22E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

BENCH MARK 63EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 16, T9S, R22E, S.L.B.&M. TAKEN FROM THE RED WASH SW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4786 FEET.



N0°02'W - (G.L.O.)



**CERTIFICATE**  
 THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
*Robert L. King*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 5709  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
 P. O. BOX 1758 - 85 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

**LEGEND:**

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

SCALE 1" = 1000'	DATE SURVEYED 6-19-93	DATE DRAWN 6-25-93
PARTY L.D.T. R.A. J.L.G.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE ENRON OIL & GAS CO.	

EIGHT POINT PLAN

CHAPITA WELLS UNIT 356-21

SECTION 21, T9S, R22E

UINTAH COUNTY, UTAH

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

FORMATIONS	DEPTH	TYPE ZONES	MAXIMUM PRESSURE
Green River			
Oil Shale	1,576'		
"H" Marker	3,032'		
"J" Marker	3,706'		
Base "M" Marker	4,312'		
WASATCH			
Peters Point	4,732'	Gas	2,100 PSI
Chapita Wells	5,262'	Gas	2,400 PSI
Buck Canyon	5,822'	Gas	2,600 PSI
Island	6,745'		
EST. TD	6,900'	Anticipated BHP	3,100 PSI

All depths are based on estimated KB elevation 4,831'. 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'	8 5/8"	24.0#	J-55 ST&C	1370 PSI	2950 PSI	263,000#
7 7/8"	0' -6900'	6900'	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' - 240'	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.

EIGHT POINT PLAN

CHAPITA WELLS UNIT 356-21

PAGE NO. 2

6. VARIANCE REQUESTS:

- A. Enron requests a variance to regulations requiring a straight run blooie line. (Where possible a straight run blooie line will be used, and where it is not possible two targeted tees will be used).
- 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).

7. EVALUATION PROGRAM:

Logs: Dual Laterolog/GR From base of surface casing to TD.  
FDC-CNL/GR/Caliper TD to 2900'  
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: CHAPITA WELLS UNIT 356-21  
Lease Number: U-0284-A  
Location: 2035' FNL & 782' FWL SW/NW Sec. 21 T. 9S R. 22E  
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 16.9 miles southeast of Ouray, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### 2. PLANNED ACCESS ROAD

- A. The access road will be 0.2 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 5%.
- D. No turn outs will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

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

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

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

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

A Right-of-Way application will be required.

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

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

- A. Water wells - None.
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None
- D. Disposal wells - None
- E. Drilling wells - None
- F. Producing wells - Eleven - 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 north 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 1097' from proposed location to a point in the NW/NW of Sec. 21, T9S, R22E 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 south 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 west.

- 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 \_\_\_\_\_
- The drainage shall be diverted around the sides of the location.
- NA The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons \_\_\_\_\_.
- NA The \_\_\_\_\_ corner of the well pad will be rounded off to avoid the \_\_\_\_\_.

### **FENCING REQUIREMENTS**

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

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height 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 it is 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

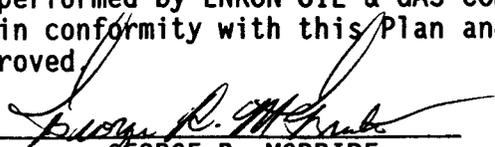
The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

**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

8/2/93

DATE

  
\_\_\_\_\_  
GEORGE R. MCBRIDE  
SR PRODUCTION FOREMAN

**DRILLING PROGRAM**

Date: June 7, 1993

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

PROSPECT: Chapita Wells Unit LEASE: \_\_\_\_\_

WELL NAME & NUMBER: Chapita Wells Unit 356-21N

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

LOCATION CALL: 2035' FNL & 782' FWL (SW NW) estimated  
Section 21, T9S, R22E  
Uintah County, Utah

ELEVATION: 4820' GL, 4832' KB (estimated)

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

TYPE RIG: Land Rotary APPROVED DEPTH: 6900' PERMIT DEPTH: 6900'

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'±.

WELL NAME: Chapita Wells Unit 356-21N**STAGE COLLARS, BASKETS, OTHER SPECIAL EQUIPMENT:**Surface - Guide shoeProduction - Guide shoe and differential fill float collar with top plug.

Marker joints @ 4000'±.

**PUMPING RATES/SPECIAL INSTRUCTIONS:** Circulate casing two hours prior to cementing. Reciprocate casing.**LOGGING PROGRAM:** DLL/GR from TD to base of surface casing.FDC/DSN/GR/caliper from TD to 2900'.Continue caliper to desired top of cement.**CORES:** None are anticipated.**SAMPLES:** Collect 30' samples from below surface casing to 4200'±. Collect 10' samples from 4200'± to TD.**FORMATION TESTS:** None are anticipated.**MUD LOGGING: (Includes services & depth):** From 4200'± to TD.**DETECTION & CONTROL EQUIPMENT:** 11" 3000 psig BOP with blind and pipe rams.11" Annular Preventor. 11" rotating head. Test manifold & BOP's to 3000 psig, annular preventor to 1500 psig, surface casing to 1500 psig.Use certified pressure testing service company and leave a copy of the test chart in the doghouse until rig down.**COMPLETION PROGRAM:** To be submitted at a later date.**OTHER SERVICES:** None are anticipated.

WELL NAME: Chapita Wells Unit 356-21N

**FORMATION TOPS & DEPTHS (TENTATIVE)**

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

See attached Prognosis.

**X-MAS TREE:** 11" 3000# weld on casing head, 7-1/16" 5000# x 11" 3000# tubing  
spool, 2-1/16" 5000# master valves.

**MUD PROGRAM**

<b>DEPTH INTERVAL</b>	<b>MUD WEIGHT</b>	<b>VIS</b>	<b>WL (cc)</b>	<b>TYPE OF MUD</b>
0' to 240'				Air
240' to 4000'				Air/Mist & Aerated Water
4000' to TD				Aerated 3% KCl water or KCl substitute.
TD	8.5-8.9	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. Pre-mix 500-600 bbls mud @ TD as above & displace hole prior to tripping for logs.

WELL NAME: Chapita Wells Unit 356-21N

**CEMENT PROGRAM**

HOLE SIZE	CASING SIZE	DEPTH	CEMENT PROCEDURE
12½"	8¾"	240'	Cement w/110 sx Class "G" cement + 2% CaCl <sub>2</sub> + ½#/sx celloflake. Circulate gelled water ahead of slurry.
7¾"	4½"	6900'	<p>Cover interval from TD to 4500'± w/50/50 Pozmix + 2% gel + 10% salt. Volume to be calculated from caliper log annular volume to 4500' plus 10% excess.</p> <p>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.</p> <p>Circulate casing 2 hrs before cementing. Reciprocate casing during cementing. Pump 10 bbls mud flush ahead of slurry.</p>

**CASING PROGRAM**

SIZE	INTERVAL			WEIGHT			MINIMUM SAFETY FACTOR		
	FROM	TO	LENGTH	#/FT.	GRADE	THREAD	COLLAPSE (psig)	BURST (psig)	TENSILE (psig)
8-5/8"	0'	240'	240'	24.0#	J-55	ST&C	1370	2950	263,000
4-1/2"	0'	6900'	6900'	10.5#	J-55	ST&C	4010	4790	146,000

**SURVEY SCHEDULE**

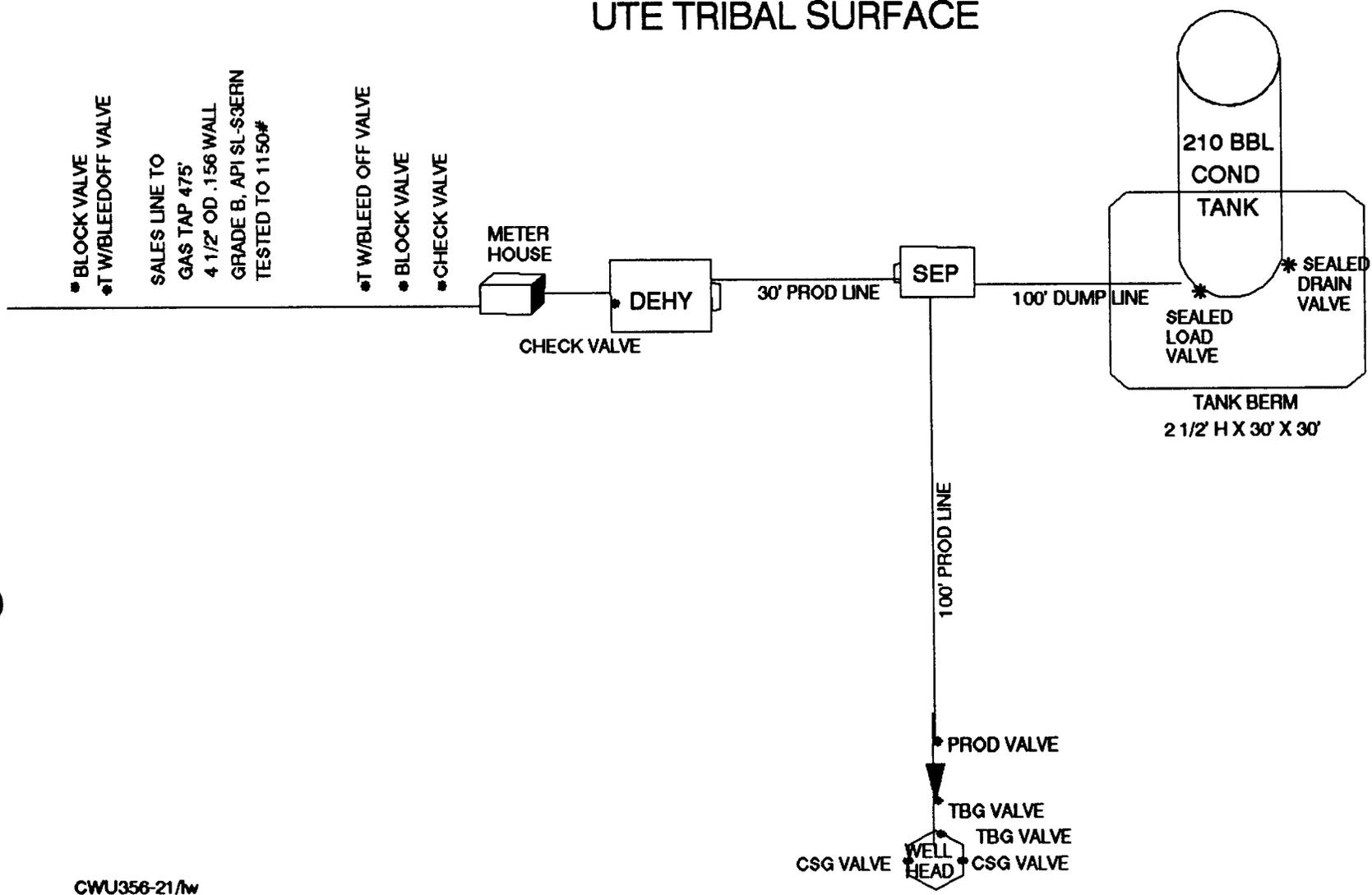
DEPTH	DISTANCE BETWEEN SURVEYS	MAX DEVIATIONS FROM VERTICAL	MAXIMUM CHANGE DEGREES/100'
0' to 240'	240'	1 degree	1 degree
240' to TD	500' (or as needed)	6 degrees	1 degree

PREPARED BY: Dennis J. Brabec

APPROVED BY: Dennis J. Brabec  
Dennis J. Brabec, Division Drilling Manager

APPROVED BY: C. C. Parsons  
C. C. Parsons, Division Drilling Manager

CHAPITA WELLS UNIT 356-21  
 SECTION 21, T9S, R22E  
 UINTAH COUNTY, UTAH  
 FEDERAL LEASE NO. U-0284-A  
 UTE TRIBAL SURFACE



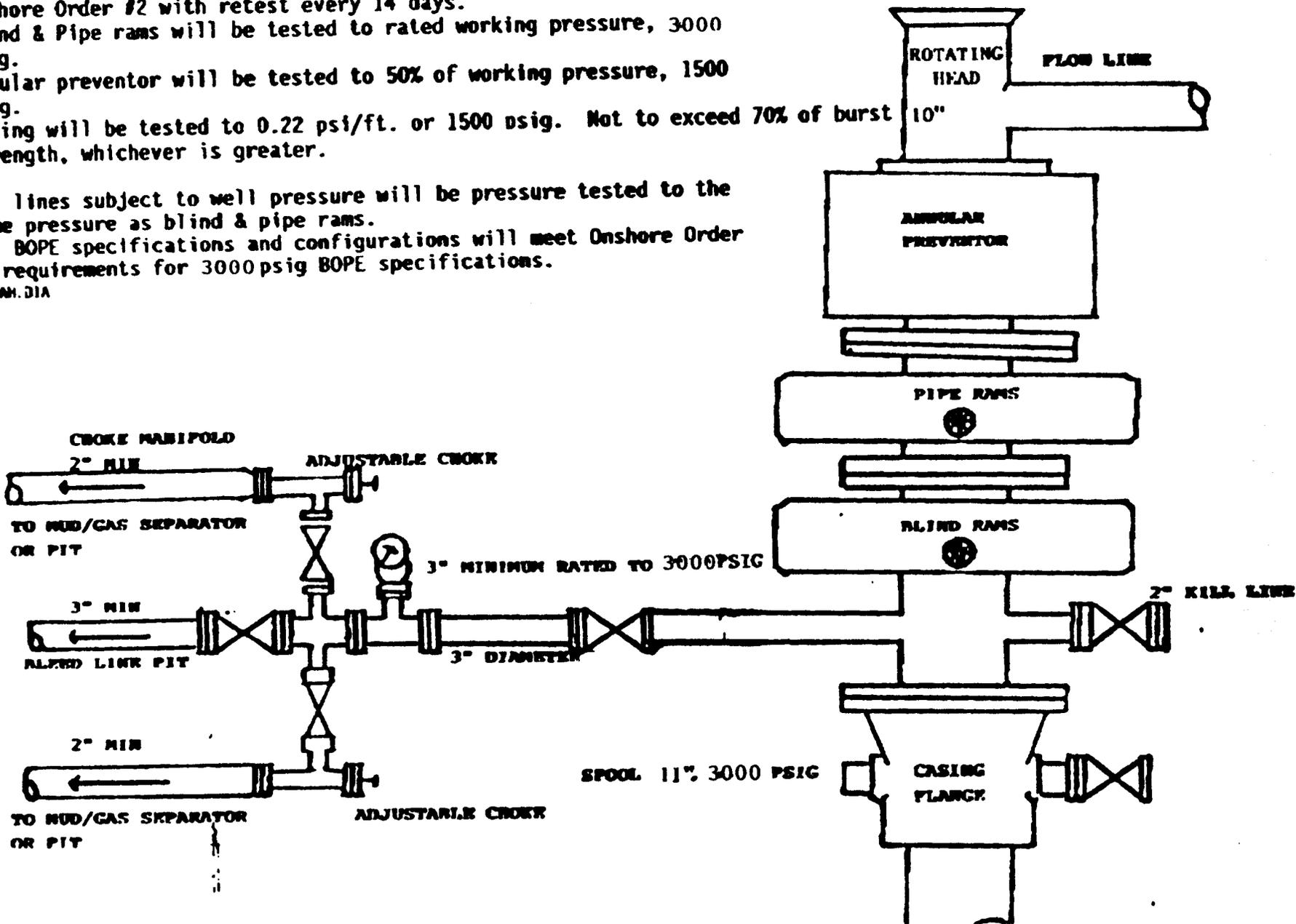
### 3000 PSIG BOP DIAGRAM

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

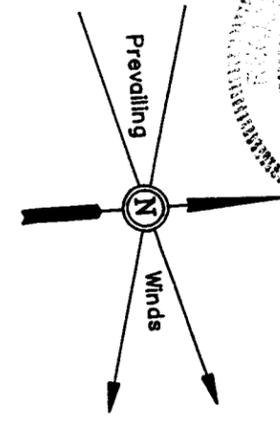
H:\LOG\BOP\UTAH.DIA



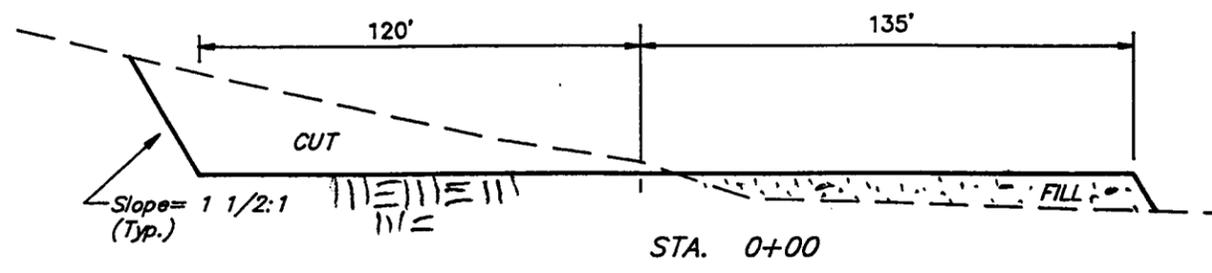
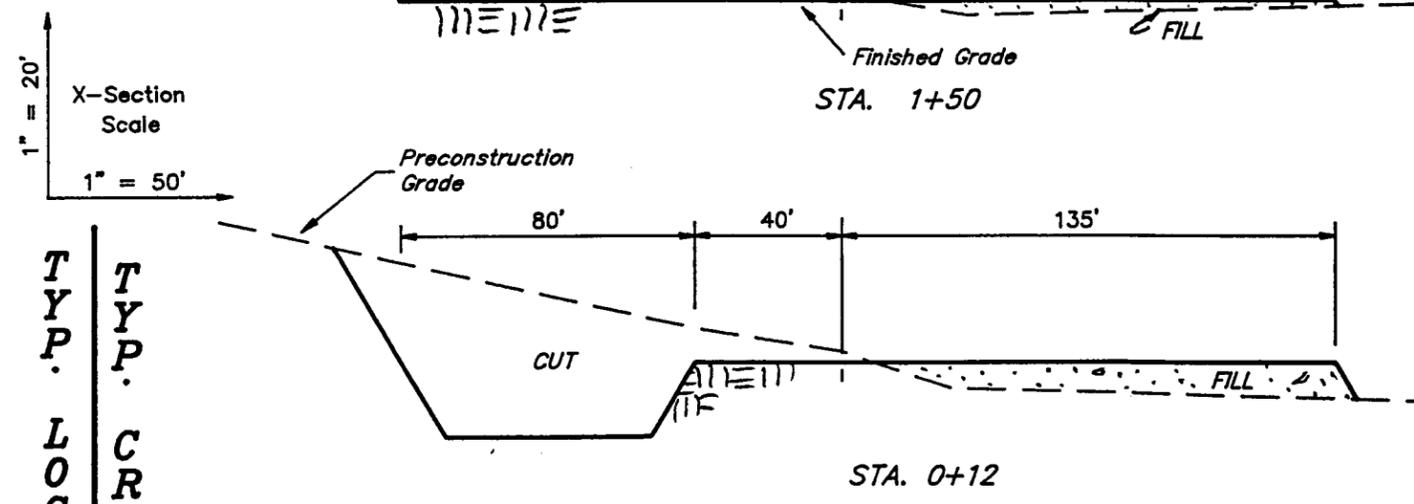
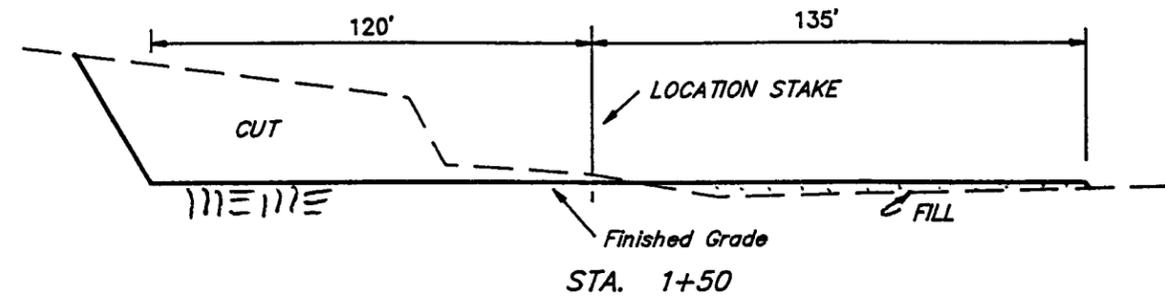
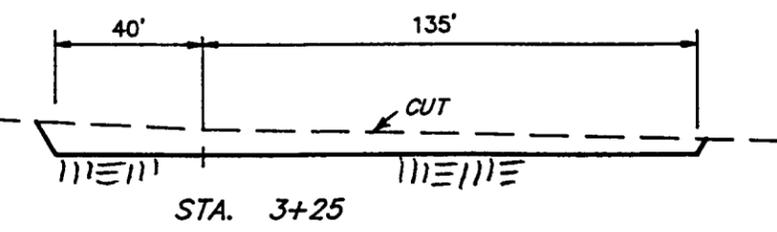
ENRON OIL & GAS CO.

LOCATION LAYOUT FOR

CWU #356-21  
SECTION 21, T9S, R22E, S.L.B.&M.  
2035' FNL 782' FWL

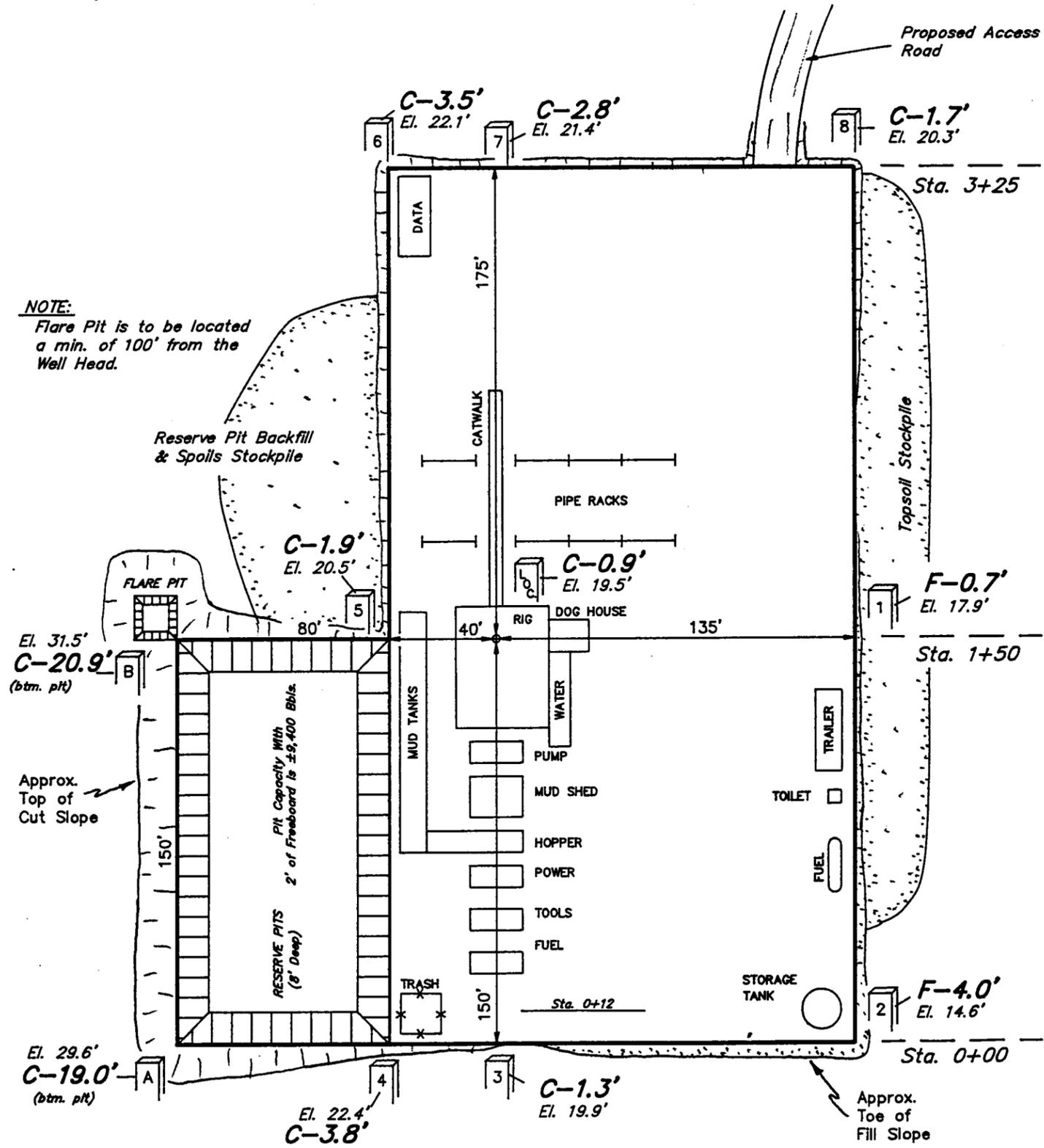


SCALE: 1" = 50'  
DATE: 6-28-93  
Drawn By: J.R.S.



TYP. LOCATION LAYOUT

TYP. CROSS SECTIONS



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

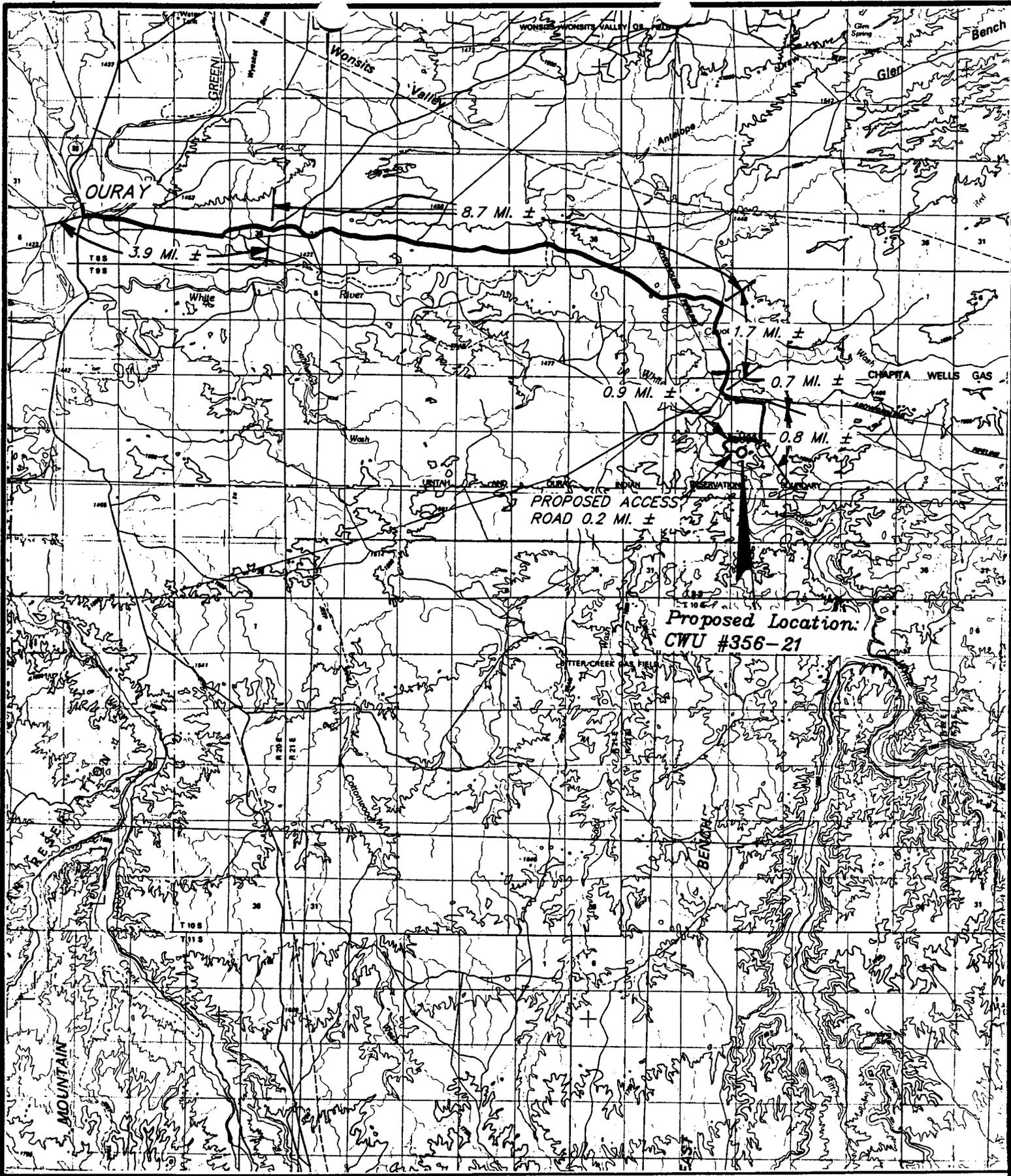
**APPROXIMATE YARDAGES**

(12") Topsoil Stripping	= 2,560 Cu. Yds.
Remaining Location	= 6,930 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,490 CU.YDS.</b>
<b>FILL</b>	<b>= 3,010 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 6,320 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,960 Cu. Yds.
EXCESS CUT MATERIAL	= 2,360 Cu. Yds.

Elev. Ungraded Ground at Location Stake = **4819.5'**  
Elev. Graded Ground at Location Stake = **4818.6'**

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



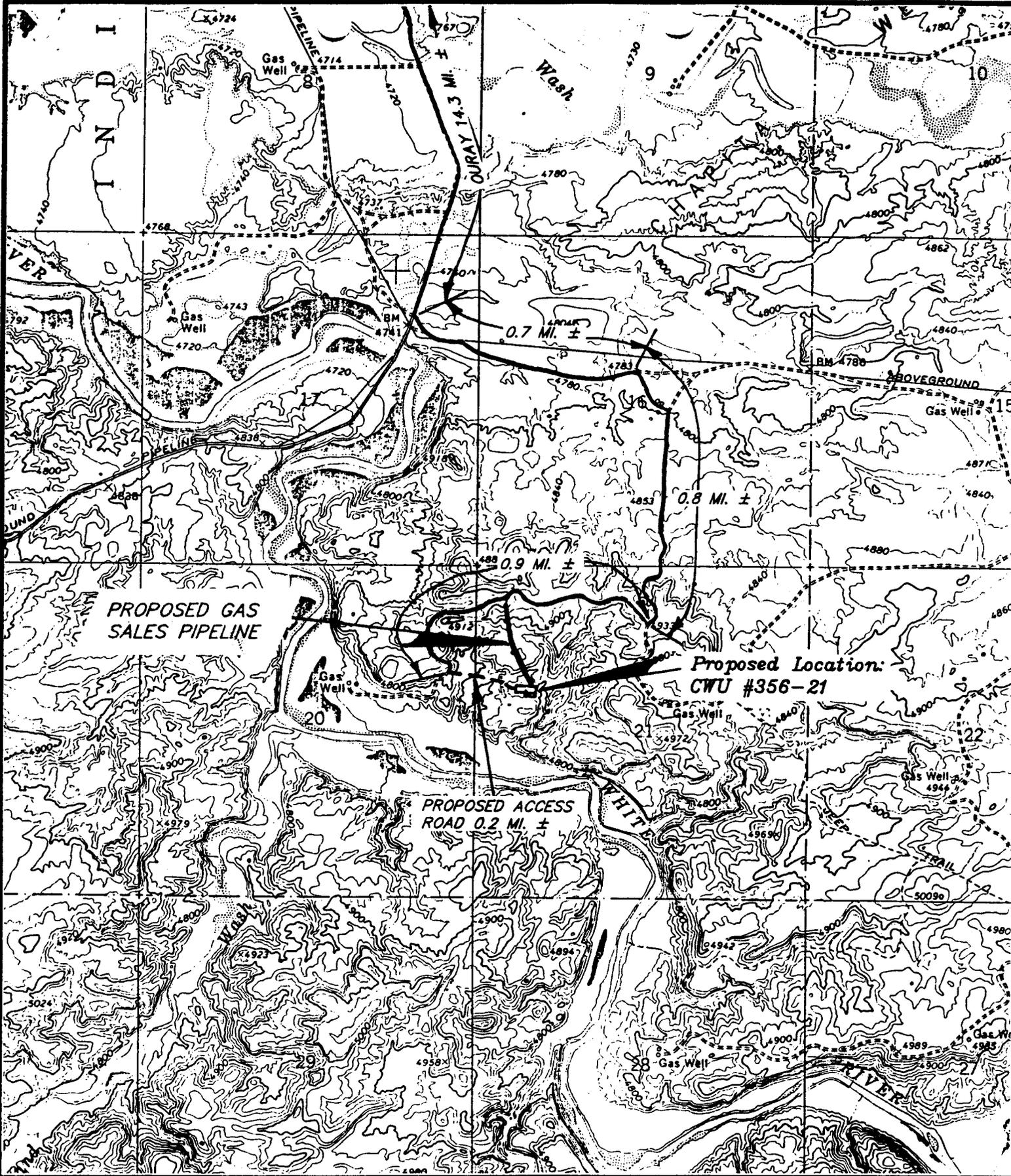
TOPOGRAPHIC  
MAP "A"

DATE 6-25-93 J.L.G.



**ENRON OIL & GAS CO.**

CWU #356-21  
SECTION 21, T9S, R22E, S.L.B.&M.  
2035' FNL 782' FWL

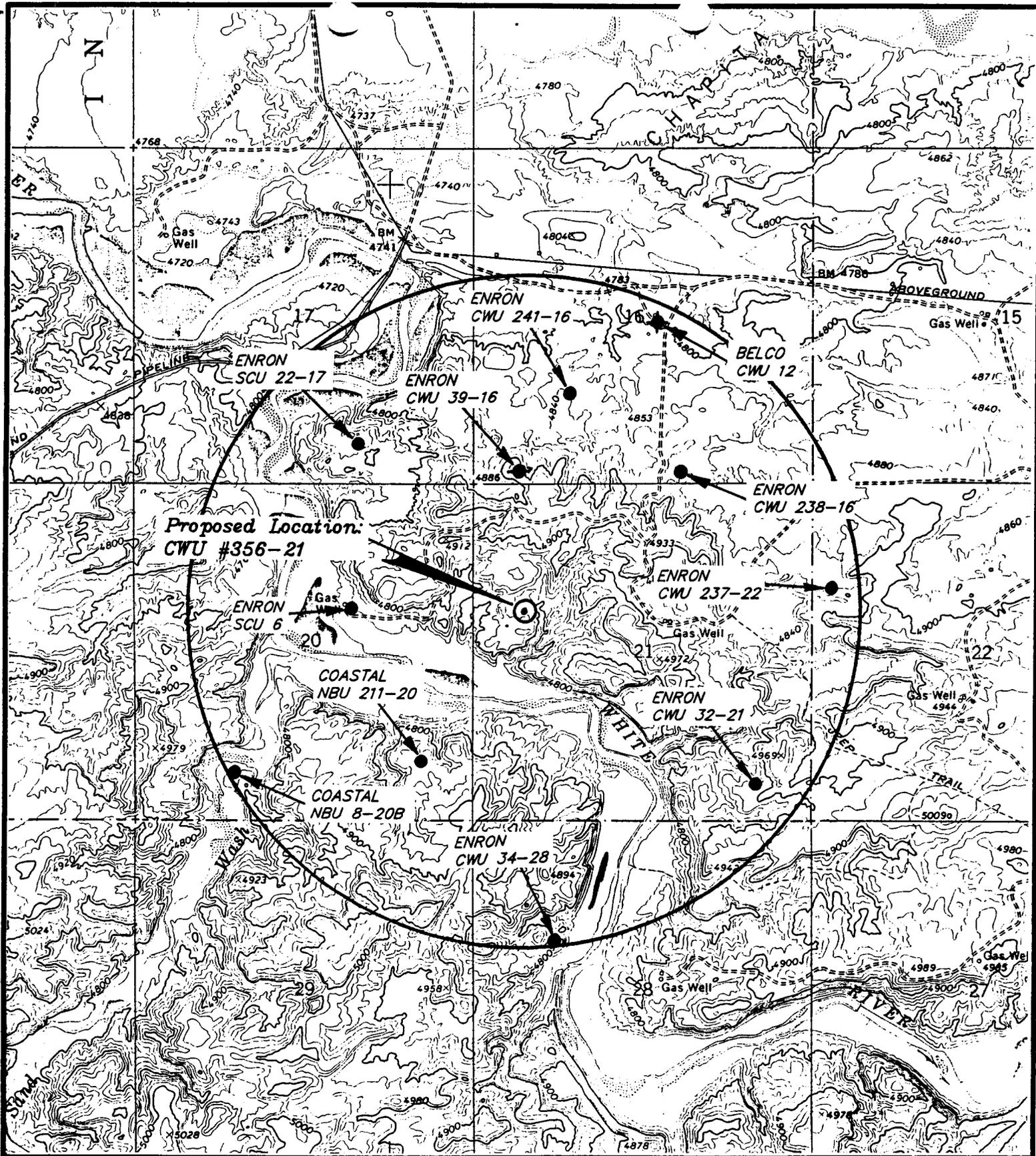


**EXHIBIT "A"**  
**GAS SALES PIPELINE**  
 SCALE: 1" = 2000'  
 DATE 6-25-93 J.L.G.



**ENRON OIL & GAS CO.**  
 CWU #356-21  
 SECTION 21, T9S, R22E, S.L.B.&M.  
 2035' FNL 782' FWL





**LEGEND:**

- = Water Wells
- ◐ = Abandoned Wells
- ◑ = Temporarily Abandoned Wells
- ◒ = Disposal Wells
- = Drilling Wells
- = Producing Wells
- ◐ = Shut-in Wells



**ENRON OIL & GAS CO.**

CWU #356-21  
 SECTION 21, T9S, R22E, S.L.B.&M.  
 2035' FNL 782' FWL  
**TO P O M A P " C "**

DATE: 6-25-93 J.L.G.

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 08/09/93

OPERATOR: ENRON OIL & GAS COMPANY  
WELL NAME: CWU 356-21

OPERATOR ACCT NO: N- 0401

API NO. ASSIGNED: 43 - 047 - 32442

LEASE TYPE: FED LEASE NO: U-0284-A  
LOCATION: SWNW 21 - T09S - R22E UINTAH COUNTY  
FIELD: NATURAL BUTTES 630 FIELD CODE: 630

RECEIVED AND/OR REVIEWED:

Plat  
 Bond  
(Number FEDERAL)  
 Potash (Y/N)  
 Oil shale (Y/N)  
 Water permit  
(Number #49-1501)  
 RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

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

COMMENTS: OIL SHALE AREA, INCLUDED IN  
CNAPITA WELLS UNIT PUD EFFECTIVE JUNE 11  
1993

STIPULATIONS:

CC: UINTAH COUNTY ASSESSOR.



**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

**Michael O. Leavitt**  
Governor

**Ted Stewart**  
Executive Director

**James W. Carter**  
Division Director

355 West North Temple  
3 Third Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

August 11, 1993

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

Gentlemen:

Re: Chapita Wells Unit 356-21 Well, 2035' FNL, 782' FWL, SW NW, Sec. 21, T. 9 S., R. 22 E., 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 commencing drilling operations.
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 & Gas Company  
Chapita Wells Unit 356-21 Well  
August 11, 1993

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 43-047-32442.

Sincerely,

  
for R.J. Firth

Associate Director, Oil and Gas

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

**ENRON**  
**OIL & GAS COMPANY**

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

August 30, 1993

**RECEIVED**

AUG 31 1993

DIVISION OF  
OIL, GAS & MINING

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

RE: CHAPITA WELLS UNIT 356-21  
SEC. 21, T9S, R22E  
UINTAH COUNTY, UTAH  
LEASE NO. U-0284-A

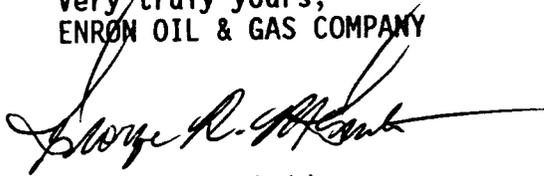
Attn: Ed Forsman:

Dear Mr. Forsman:

Please find attached 3 (three) Sundry Notices with information on surface casing change on subject well.

If you have any questions or need additional information, please contact this office.

Very truly yours,  
ENRON OIL & GAS COMPANY



George R. McBride  
Sr. Production Foreman

cc: Division of Oil Gas & Mining  
Curt Parsons  
Doug Weaver/Toni Miller  
Diane Cross - Houston EB-2370  
File

/lwSundry

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 ENRON OIL & GAS COMPANY

3. Address and Telephone No.  
 P.O. BOX 1815, VERNAL, UTAH 84078 (801) 789-0790

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 2035' FNL & 782' FWL SW/NW  
 SEC. 21, T9S, R22E

5. Lease Designation and Serial No.  
 U-0284-A

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

7. If Unit or CA, Agreement Designation  
 CHAPITA WELLS UNIT

8. Well Name and No.  
 CWU 356-21

9. API Well No.  
 43-047-32442

10. Field and Pool, or Exploratory Area  
 CWU/WASATCH

11. County or Parish, State  
 Uintah, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

ENRON OIL & GAS COMPANY PROPOSES TO CHANGE THE SURFACE CASING ON THE SUBJECT WELL FROM 8 5/8" 24.0# J-55 STC 1370 PSI 2950 PSI 263,000# TO:  
9 5/8" 36.0# J-55 STC 2020 PSI 3520 PSI 423,000#

RECEIVED  
AUG 31 1993

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 8-31-93  
BY: J.M. Matthews

14. I hereby certify that the foregoing is true and correct  
Signed Linda L. Wallace Title Sr. Admin. Clerk Date 8/30/93  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.	U-0284-A
6. IF INDIAN, ALLOTTED OR TRIBE NAME	UTE TRIBAL SURFACE
7. UNIT AGREEMENT NAME	CHAPITA WELLS UNIT
8. FARM OR LEASE NAME	CHAPITA WELLS UNIT
9. WELL NO.	356-21
10. FIELD AND POOL, OR WILDCAT	CWU/WASATCH
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	SEC. 21, T9S, R22E
12. COUNTY OR PARISH	UINTAH
13. STATE	UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
ENRON OIL & GAS COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
2035' FNL & 782' FWL SW/NW  
At proposed prod. zone

43-047-32442

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
16.9 MILES SOUTHWEST OF OURAY, UTAH

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
782'

16. NO. OF ACRES IN LEASE  
1240

17. NO. OF ACRES ASSIGNED TO THIS WELL  
80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
4524

19. PROPOSED DEPTH  
6900'

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4819' GRADED GROUND

22. APPROX. DATE WORK WILL START\*  
AUGUST 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	240'	125 SX CLASS "G" + 2% CaCl2 + 1/2 #/SX CELLOFLAKE, 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG±) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).
7 7/8"	4 1/2"	10.5#	6900'	

RECEIVED  
OCT 14 1993

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 "A"
  - WELLSITE SCHEMATIC

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.

24. SIGNED Linda L. Wall TITLE SR ADMIN. CLERK DATE 8/2/93

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED Thomas D. Leavins TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE OCT 12 1993

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

U+080-3m-078

\*See Instructions On Reverse Side

UNITED STATES GOVERNMENT  
memorandum

DATE:

Superintendent, Uintah & Ouray Agency

REPLY TO  
ATTN OF:

Concurrence Letter for Enron Oil & Gas Company

SUBJECT:

CWU# 356-21, SWL/4NEL/4 Section 21 T.9S., R.22 E., S.L.B.&M.

SEP 22 1993

TO:

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

Based on available information received on September 22, 1993, 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 wellsite 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.



RECEIVED

SEP 30 1993

RECEIVED

OCT 14 1993

DIVISION OF  
OIL, GAS & MINING

OPTIONAL FORM NO. 10  
(REV. 1-80)  
GSA FPMR (41 CFR) 101-11.6  
5010-114

U.S. GPC: 1988-201-760

PROJECT  
Tracking & Progress Sheet

Proposed Project: ENRON Oil & Gas. Co. CW11-356-21

Date Received By Land Operations: \_\_\_\_\_ Initialed By: \_\_\_\_\_

ACTION	DATE	COMMENTS
ARCH Report Completed	June 93	
Paleontology Report Completed	Jun 93	
Other Assessments (if needed)	NA.	
Onsite Inspection Scheduled	7-14-93	
Onsite Inspection Completed	7-21-93	
Draft E.A. Completed	8-9-93	
E.A. Typed	9-7-93	
SHIPO		
Environmental Coordinator	9/29/93 9/29/93	HO
Superintendent		
File: Company/UTEM/ROW/Minerals		

COMMENTS:

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3. Vegetation: (Estimated % Composition)

a. Grasses: 20 %

<u>      </u> Western wheatgrass	<u>  5  </u> Indian ricegrass
<u>  T  </u> Needle-and-thread grass	<u>  2  </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>  11  </u> Galleta
<u>      </u> Kentucky bluegrass	<u>      </u> Orchard grass
<u>      </u> Thickspike wheatgrass	<u>  2  </u> Squirrel tail
<u>      </u> Blue gramma	<u>      </u> Bluegrasses
<u>      </u> Brome grasses	<u>  T  </u> Foxtail
<u>      </u> Annuals	

b. Forbs: 10 %

<u>      </u> Russian thistle	<u>      </u> Daisy
<u>  1  </u> Globemallow	<u>      </u> Sunflower
<u>      </u> Kochia	<u>  3  </u> Garlic
<u>  1  </u> Astragalus	<u>  2  </u> Annuals
<u>  2  </u> Indian Paintbrush	<u>  1  </u> Kosha Americana
<u>  T  </u> Halogeton	
<u>      </u> Ragweed	

c. Shrubs: 70 %

<u>      </u> Fourwing saltbush	<u>      </u> Snowberry
<u>  30  </u> Black sagebrush	<u>  1  </u> Pricklypear
<u>  2  </u> Rabbitbrush	<u>  2  </u> Greasewood
<u>      </u> Mountain mahogany	<u>  6  </u> Shadscale
<u>      </u> Serviceberry	<u>      </u> Horsebrush
<u>      </u> Bitterbrush	<u>  5  </u> Nuttall saltbush
<u>      </u> Big sagebrush	<u>  19  </u> Spiny Horsebush
<u>  5  </u> Yellow Brush	<u>      </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

## 4.2 PRESENT SITE USE

### A. USAGE

<input checked="" type="checkbox"/> Rangeland	Acres	_____	Irrigable land
_____ Woodland	Acres	<u>2.49</u>	Non-Irrigable land
_____ Commercial		_____	Floodplain
_____ Timber		_____	Wetland
_____ Riparian			

## 4.3 CULTURAL RESOURCES

### A. CULTURAL SURVEY

The well site x, access road x, and pipeline right-of-way 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 0.72 Acres
2. Well site 1.32 Acres
3. Right-of-way 0.45 Acres
4. Total disturbed 2.49 Acres

### B. VEGETATION/LANDSCAPE

1. Production loss (AUM'S): 0.12 year
2. Permanent scar on landscape: X Yes \_\_\_\_\_ 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
3. Increased salt loading potential x Yes \_\_\_\_\_ No
4. Reduced rangeland x Yes \_\_\_\_\_ No
5. Reduced irrigated cropland \_\_\_\_\_ Yes x No
6. Increased run-off in watershed x Yes \_\_\_\_\_ No
7. Potential point source water pollution x Yes \_\_\_\_\_ No
8. If answer to (8) is Yes describe: The Whiteriver is approximately 2000 feet south of the wellsite.

D. WILDLIFE THREATENED & ENDANGERED SPECIES

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

6.0 MITIGATION STIPULATIONS

A. VEGETATION/LANDSCAPE

1. Before the site is abandoned the company will be required to restore the well pad, access road, and pipeline right-of-ways to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
2. Noxious weeds will be controlled on all well sites and right-of-ways. If noxious weeds spread from the well sites or right-of-way onto adjoining land, the company will also be responsible for their control.
3. Fine soil material will be used to cover rocks in the reserve pit and to protect the liner.
4. There will be a paleontologist present to monitor this location during construction.

B. SOIL/RANGE/WATERSHEDS

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

- |                       |   |  |                                 |
|-----------------------|---|--|---------------------------------|
| a. Diversion ditches  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <u>475</u> Feet                 |
| b. Dikes              | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Feet   |
| c. Desilting ponds    | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Number |
| d. Drop structure     | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Number |
| e. Gully plugs        | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Number |
| f. Low water crossing | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Number |
| g. Culverts           | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Number |
| h. Water bars         | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Number |
| i. Fencing            | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | <u>17</u> Rods                  |
| j. Cattleguards       | <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | <input type="checkbox"/> 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 a 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 road will be: a. hauled off:  Yes  No

b. Incorporated into the soil:  Yes  No

#### C. WILDLIFE/VEGETATION/THEATENED & 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 right-of-ways 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 specific 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 road. 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 resource, 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 geological 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, 08-10-93, 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 NEPA COMPLIANCE**

**A. SURFACE PROTECTION/REHABILITATION**

All essential surface protection and rehabilitation requirements are specified above.



## 14.0 CONSULTATION

1. Alvin Ignacio, Ute Tribal Energy & Minerals
2. Ed Trotter, Enron Oil & Gas Company
3. Byran Tolman, Bureau of Land Management
4. John Begay, Ute Tribal Energy & Minerals
5. Dale Hanberg, Bureau of Indian Affairs
- 6.
- 7.
- 8.
- 9.
- 10.

## WELL LOCATION INFORMATION

Company/Operator: Enron Oil and Gas Company

API Number 43-047-32442

Well Name & Number: CWU 356-21

Lease Number: U0284A

Location: SWNW Sec. 21 T.9 S R.22 E.

Surface Ownership: BIA

Date NOS Received 6/21/93

Date APD Received 8/2/93

## NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Enron Oil & Gas Company Well No. CWU 356-21

Location SWNW Section 11, T9S, R22E Lease No. U - 0284-A

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 3M 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

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm$  334 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  $\pm$  134 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, spend solvents, spilled chemicals, and waste acids

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

Refinery wastes

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

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

### Additional Surface Stipulations

The Ute Tribe Energy and Minerals Department has the following stipulations:

1. Company must notify Ute Tribe for monitoring of the construction of access road and wellsite by Energy and 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 the event any archaeological/paleontological findings are encountered or exposed during construction, the Ute Tribe Energy and 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 the 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.

### MITIGATION STIPULATIONS

1. Before the site is abandoned, the company will be required to restore the well pad, access road, and pipeline right-of-way to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
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 onto adjoining land, the company will also be responsible for their control.
3. Fine soil material will be used to cover rocks in the reserve pit and to protect the liner.
4. There will be a paleontologist present to monitor this location during construction.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: ENRON

WELL NAME: CHAPITA WELLS UNIT 356-21N

API NO. 43-047-32442

Section 21 Township 9S Range 22E County UINTAH

Drilling Contractor CHANDLER

Rig # 1

SPUDED: Date 10/27/93

Time 10:00 AM

How DRY HOLE

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

Reported by ED TROTTER

Telephone # 1-789-0790

Date 10/29/93 SIGNED DLI

# ENRON Oil & Gas Company

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

October 28, 1993

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

RECEIVED  
NOV 1 1993  
DIVISION OF  
OIL, GAS & MINING

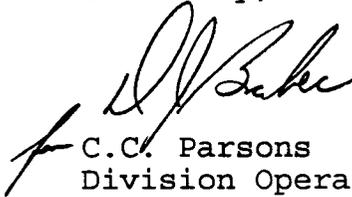
RE: SPUDDING  
CHAPITA WELLS UNIT 356-21  
LEASE: U-0284 A  
SEC. 21, T9S, R22E  
UNITAH COUNTY, UTAH

Dear Mr. Forsman:

Please find attached a Sundry Notice for the spudding of the subject well.

If further information is required, please contact this office.

Sincerely,



C.C. Parsons  
Division Operations Manager

kt

cc: Utah Board of Oil, Gas and Mining  
D. Weaver  
T. Miller  
Vernal Office  
File

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>	5. Lease Designation and Serial No. U-0284 A
2. Name of Operator ENRON OIL & GAS COMPANY	6. If Indian, Allottee or Tribe Name UTE TRIBAL SURFACE
3. Address and Telephone No. P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331	7. If Unit or C.A., Agreement Designation CHAPITA WELLS UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2035' FNL - 782' FWL SW/NW SECTION 21, T9S, R22E	8. Well Name and No. CHAPITA WELLS UNIT 356-21
	9. API Well No. 43-047-32442
	10. Field and Pool or Exploratory Area CWU/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 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
	<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 a 12-1/4" surface hole at the subject location 10:00am, 10/27/93. The contractor was Leon Ross Drilling & Construction, Inc. Ed Forsman of the BLM District and Frank Matthews of the UOGC were notified of the spud on 10/27/93.

NOV 1 1993  
DIVISION OF  
OIL, GAS & MINING

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

SIGNED [Signature] TITLE Engineering Clerk DATE 10/28/93

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

OPERATOR ENRON OIL & GAS COMPANY  
 ADDRESS P.O. BOX 1815  
VERNAL, UTAH 84078

OPERATOR ACCT. NO. N 0401

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	04905	→	43-047-32442	CHAPITA WELLS UNIT 356-21N	SWNW	21	9S	22E	UINTAH	10/27/93	10/27/93
WELL 1 COMMENTS: <i>Entity added 11-2-93. Jlc</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES** (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.  
 (3/89)

RECEIVED  
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 DIVISION OF  
 OIL, GAS & MINING

*Linda L. Wall*  
 Signature  
 Sr. Admin. Clerk  
 Title  
 10/28/93  
 Date  
 Phone No. (801) 789-0790

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)  
**2035' FNL - 782' FWL SW/NW**  
  
**SECTION 21, T9S, R22E**

5. Lease Designation and Serial No.  
**U-0284-A**

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A., Agreement Designation  
**CHAPITA WELLS UNIT**

8. Well Name and No.  
**CHAPITA WELLS UNIT 356-21**

9. API Well No.  
**43-047-32442**

10. Field and Pool or Exploratory Area  
**CWU/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 plugged and abandoned the subject well as follows:

1. Placed plug #1 @ 4850-4506' w/114 sx cement. Tag top of cement plug @ 4506'.
2. Placed plug #2 @ 2546-2246' w/92 sx cement.
3. Placed plug #3 @ 1900-1690' w/55 sx cement. Tag top of cement plug @ 1690'.
4. Plug #4 lost in hole.
5. Placed plug #5 @ 490-333' w/50 sx RFC cement.
6. Placed plug #6 @ 333-133' w/50 sx RFC cement.
7. Dry hole marker installed 1/4/94.



JAN 10 1994

DIVISION OF  
OIL, GAS & MINERALS

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

SIGNED Randa C. Lannoy TITLE Engineering Clerk DATE 01/05/94

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U 0284 A**

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

7. UNIT AGREEMENT NAME  
**CHAPTIA WELLS UNIT**

8. FARM OR LEASE NAME  
**CHAPITA WELLS UNIT**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

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

b. TYPE OF COMPLETION:  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RES.  OTHER

9. WELL NO.  
**356-21**

10. FIELD AND POOL, OR WILDCAT  
**CWU/WASATCH**

11. SEC., T., R., M., OR BLOCK AND SURVEY  
**SECTION 21, T9S, R22E**

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

12. COUNTY OR PARISH  
**UINTAH**

13. STATE  
**UTAH**

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

14. PERMIT NO.  
**43-047-32442**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **2035' FNL - 782' FWL SW/NW**  
At top prod. interval reported below **SAME**  
At total depth **SAME**

DATE PERMIT ISSUED  
**8/11/93**

15. DATE SPUNDED **10/27/93** 16. DATE T.D. REACHED **12/22/93** 17. DATE COMPL. (Ready to prod.) **P & A'D** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **4830' KB** 19. ELEV. CASINGHEAD **4819' PGL**

20. TOTAL DEPTH, MD & TVD **6878'** 21. PLUG, BACK T.D., MD & TVD  22. IF MULTIPLE COMPLETIONS, HOW MANY?  23. ROTARY TOOLS **ROTARY** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\* **P & A'D** 25. WAS DIRECTIONAL SURVEY MADE? **NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN **DL, FDC, DSN, GR-CALIPER 1-24-94** 27. WAS WELL CORED? **NO**

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36.0#; J-55	236'	12-1/4"	125 SX CLASS "G"	NONE

**LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)

**TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

**P & A'D**

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

DEPTH INTERVAL (MD)	AMOUNT A'D KIND OF MATERIAL USED

**33. PRODUCTION**

DATE FIRST PRODUCTION **P & A'D 1/4/94** PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) **P & A'D DRY HOLE MARKER SET 1/4/94** WELL STATUS (Producing or shut-in) **P & A'D**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR	OIL BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
N/A							

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL-BBL.	GAS-MCF.	WATER-BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **N/A** TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.  
SIGNED Kendall Cannon TITLE ENGINEERING CLERK DATE 01/14/94

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: Sacks Co:** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**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.)

## PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by its application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 25 U.S.C. et. seq., 43 CFR 3160

**PRINCIPLE PURPOSE:** The information is to be used to evaluate the actual operations performed in the drilling of an oil or gas well on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the drilling of the well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this report and disclosure of its information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and producing oil and gas on Federal and Indian oil and gas leases.

This information will be used to analyze operations and compare equipment and procedures actually used with the proposals applied for.

Response to this request is mandatory once an oil or gas well is drilled.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				GREEN RIVER		
				BASE M MARKER	4326'	
				N LIMESTONE	4593'	
				WASATCH		
				PETER'S POINT	4712'	
				CHAPITA WELLS	5242'	
				BUCK CANYON	5802'	
				ISLAND	6725'	