

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG  ELECTRIC LOGS  FILE  WATER SANDS  LOCATION INSP  SUB. REPORT/abd.

981006 LA'D eff 9/28/98!

DATE FILED JULY 1, 1996

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. UTU-74870 INDIAN

DRILLING APPROVED: AUGUST 29, 1996

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 9/28/98 LA'D

FIELD: UNDESIGNATED PARIETTE DRAW 12-6-96

UNIT:

COUNTY: UINTAH

WELL NO. MONUMENT FEDERAL 41-25-8-17 API NO. 43-047-32766

LOCATION 800 FNL FT. FROM (N) (S) LINE, 860 FEL FT. FROM (E) (W) LINE. NE NE 1/4 - 1/4 SEC. 25

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
8S	17E	25	Inland Prod. Co.				
			<del>EQUITABLE RESOURCES</del>				

UNITED STATES  
DEPARTMENT OF THE INTERIOR **CONFIDENTIAL**  
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  
 Equitable Resources Energy Company

3. ADDRESS OF OPERATOR  
 1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 NE NE Section 25, T8S, R17E      800' FNL & 860' FEL  
 At proposed prod. zone      243      262

5. LEASE DESIGNATION AND SERIAL NO.  
 UTU74870

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 n/a

7. UNIT AGREEMENT NAME  
 n/a

8. FARM OR LEASE NAME  
 Monument Federal

9. WELL NO.  
 41-25-8-17

10. FIELD AND POOL, OR WILDCAT  
 Monument Butte/Green River

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
 25, T8S, R17E

12. COUNTY OR PARISH  
 Duchesne

13. STATE  
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 From Myton, Utah approximately 11 miles SW

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 479.94

16. NO. OF ACRES IN LEASE  
 40

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 6200'

19. PROPOSED DEPTH  
 Rotary

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5009.7' GR

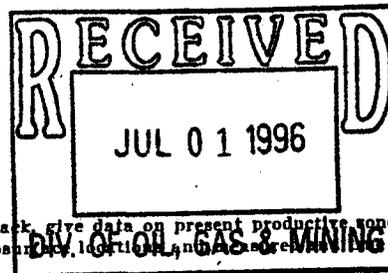
22. APPROX. DATE WORK WILL START\*  
 August 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see attached Drilling Program and Casing Design				

Operator proposes to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this application.



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 location and casing record to vertical depths. Give blowout preventer program, if any.

24. SIGNED Molly Conrad TITLE Operations Secretary DATE 6-27-96

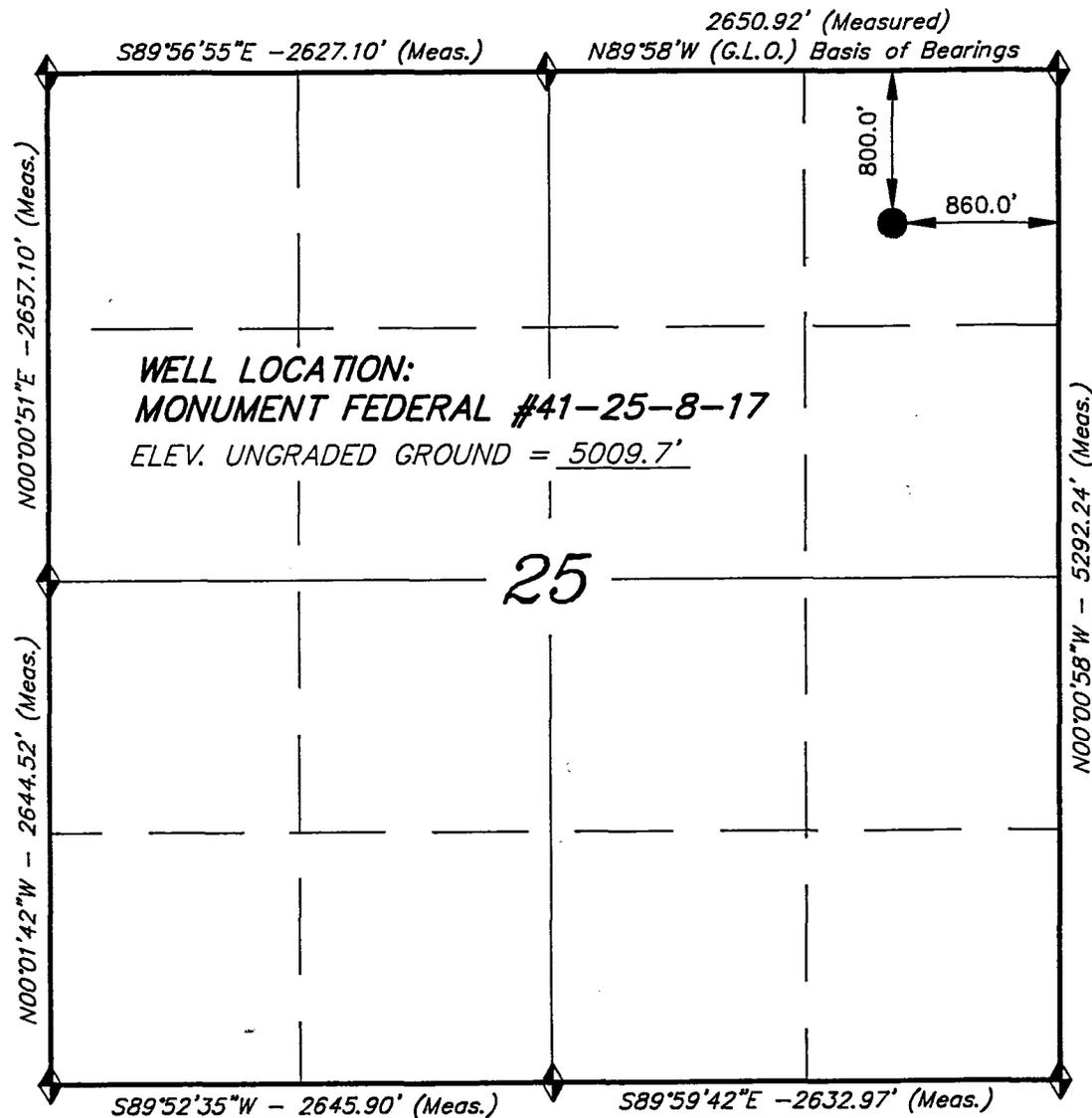
(This space for Federal or State office use)

PERMIT NO. 43-047-32766 APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE Petroleum Engineer DATE 8/29/96  
 CONDITIONS OF APPROVAL, IF ANY \_\_\_\_\_

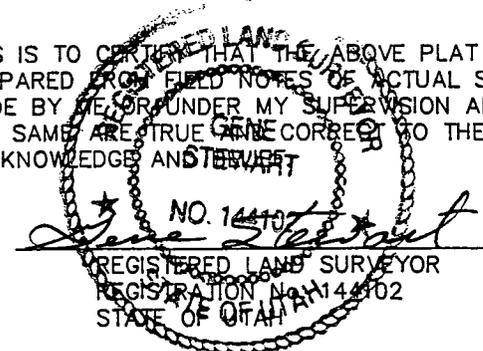
# T8S, R17E, S.L.B.&M.

## FQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, MONUMENT FEDERAL #41-25-8-17, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 25, T8S, R17E, S.L.B.&M. UINTAH COUNTY, UTAH.



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.



### **TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: G.S. S.S.
DATE: 5-16-96	WEATHER: WARM
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.**

**Equitable Resources Energy Company  
Western Region  
1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860  
FAX: (406) 245-1361**

## EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

6/19/95

**PROPOSED DRILLING PROGRAM**

EQUITABLE RESOURCES ENERGY COMPANY  
Western Region  
Monument Federal #41-25-8-17  
NE NE Section 25, T8S, R17E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. **ESTIMATED IMPORTANT GEOLOGICAL MARKERS:**

See Geologic Prognosis (EXHIBIT "C")

2. **ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:**

See Geologic Prognosis (EXHIBIT "C")

3. **OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.
- c. When running 5-1/2" production casing we will install 5-1/2" pipe rams and are hereby requesting a variance on testing. We request not to test.

**Multi-Point Surface Use and Operations Plan**

EQUITABLE RESOURCES ENERGY COMPANY  
MONUMENT FEDERAL #41-25-8-17  
NE NE SECTION 25, T8S, R17E  
DUCHESNE COUNTY, UTAH

1. **Existing Roads: Refer to Maps "A" & "B" (shown in RED)**
  - A. The proposed well site is staked and four reference stakes are present, 200' & 225' South and 150' & 175' West.
  - B. The Monument Federal #41-25-8-17 is located 11 miles Southwest of Myton Utah in the NE1/4 NE1/4 Section 25, T8S, R17E, SLB&M, Duchesne County, Utah. To reach the 41-25-8-17, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 7.0 miles to a road intersection. Turn left and continue 2.5 miles to a road intersection. Turn right and proceed 1.3 mile to a road intersection. Turn right and continue 1.2 miles to a road intersection. Turn left and proceed 1.2 miles to the existing well Mon. Fed. #31-25. follow flags 0.2 mile to location.
  - C. Access roads - refer to Maps "A" and "B".
  - D. Access roads within a one-mile radius - refer to map "B".
  - E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.
2. **Planned Access Roads: Refer to Map "B"**

Approximately 0.2 mile of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff 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.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - none.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts

will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

- J. The proposed access road has been centerline flagged.
- K. If a right-of-way is required please consider this APD the application for said right-of-way.

**3. Location of Existing Wells Within a One-Mile Radius:**

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:**

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout is included in this APD.
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having

a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.
  - C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
  - D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
  - E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.
- For Pipeline:
- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
  - G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

## 5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the

beginning of drilling operations.

- B. No water well will be drilled on this location.

**6. Source of Construction Materials**

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

**7. Methods of Handling Waste Materials:**

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with Onshore Order #7, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

**8. Ancillary Facilities:**

None anticipated.

## 9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be on the West side of location. Access will be from the West near corner #6. Corner #2 and corner #8 will be rounded to stay above the ledge that runs along the East side of location.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A completion rig will be moved onto location for completion operations after drilling operations have been completed and the drilling rig has been moved off location.
- D. A diagram showing the proposed production facility layout is included in this APD.
- E. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- F. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
  - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
  - 3. All wire shall be stretched, by using a stretching

device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- G. Any hydrocarbons on the pit will be removed from the pit as soon as possible after completion operations are completed.

#### 10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 15 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

#### B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
  - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at

the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

#### **11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

#### **12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 13 miles Southwest of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
  1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
  2. There are no occupied dwellings in the immediate area
  3. An archaeological report will be forwarded upon completion.
  4. There are no reported restrictions or reservations noted on the oil and gas lease.
  5. A silt catchment dam will not be required for this location.





## Well Prognosis

<b>Well Name</b> MONUMENT FEDERAL 41-25-8-17	<b>Control Well</b>
<b>Location</b> NE/NE SECTION 25-T8S-R17E (800' FNL, 860' FEL)	<b>Operator</b> EREC
<b>County/State</b> Uintah, UTAH	<b>Well Name</b> BMF 31-25
<b>Field</b> MON. BUTTE <b>Well Type</b> DEV.	<b>Location</b> NW/NE SEC. 25-T8S-R17E
<b>GL (Ung)</b> 5010 <b>EST. KB</b> 5019 <b>Total Dept</b> 6200'	<b>KB</b> 5030

Formation Tops	Prognosis		Sample Top		Control Well	High/Low			
	Formation	Depth	Datum	Depth	Datum	Datum	Prog	Control	Deviation
UINTA	surface								
GREEN RIVER	1804	3215			3230				
HORSEBENCH SS	2506	2498			2513				
2ND GARDEN GULCH	4283	721			736				
Y-2 (PAY)	4617	402			417(EST)				
Y-3 (PAY)	4668	351			366				
YELLOW MARKER	4908	111			126				
DOUGLAS CREEK	5076	-57			-42				
R-2 (PAY)	5198	-179			-164				
R-5 (PAY)	5270	-251			-236				
2ND DOUGLAS CREEK	5331	-312			-297				
GREEN MARKER	5483	-464			-449				
CARBONATE MARKER	5921	-902			-887				
B-1 (PAY)	5975	-956			-941				
TD	6200								

<b>Samples</b>	<b>DST,s</b>	<b>Wellsite Geologist</b>
50' FROM 1700' TO 4300'	DST #1 NONE	Name: _____
30' FROM 4300' TO TD	DST #2 _____	From: _____ To: _____
5' THROUGH EXPECTED PAY	DST #3 _____	Address: _____
5' THROUGH DRILLING BREAKS	DST #4 _____	Phone # _____ wk.
		_____ hm.

<b>Logs</b>	<b>Cores</b>	<b>Mud Logger</b>
DLL FROM SURF. CSG TO TD	Core #1 _____	Company: NORTHWEST
LDT/CNL FROM 4300 TO TD	Core #2 _____	From: _____ To: _____
_____	Core #3 _____	Type: 2-MAN
_____	Core #4 _____	Logger: _____
_____		Phone # _____
_____		Fax # _____

**Comments:**

\_\_\_\_\_

\_\_\_\_\_

<b>Report To:</b> 1st Name: DAVE BICKERSTAFF	Phone # (406)259-7860	wk. (406)245-2261	hm.
2nd Name: KEVEN RIENSCHMID	Phone # (406)259-7860	wk. (406)248-7026	hm.
<b>Prepared By:</b> DAVE BICKERSTAFF	Phone # (406)259-7860	wk.	hm.



**EQUITABLE RESOURCES  
ENERGY COMPANY  
WESTERN REGION**

**DRILLING PROGRAM**

WELL NAME: Monument Federal #41-25-8-17      DATE: 6-11-96  
 PROSPECT/FIELD: Pariette Draw  
 LOCATION: NE NE Section 25 Twn. 8S Rge. 17E  
 COUNTY: Uintah  
 STATE: Utah

TOTAL DEPTH: 6200'

HOLE SIZE	INTERVAL
12 1/4"	Surface to 260'
7 7/8"	260' to 6200'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	6200'	5 1/2"	15.50	K55

**CEMENT PROGRAM**

Surface Casing	150 sacks class "G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
Production Casing	250 sacks Thrifty Lite and 400 sacks 50-50 Poz. (Actual cement volumes will be calculated from caliper log with cement top at 2000')

**PRELIMINARY DRILLING FLUID PROGRAM**

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0'	260'	N.A.	N.A.	N.A.
Air/Air Mist/KCl wtr	260'	T.D.	8.7-8.9	N.A.	N.A.

**COMMENTS**

1.) No cores or tests are planned for this well.

# EQUITABLE RESOURCES ENERGY COMPANY

Operator: EREC	Well Name: Monument Fed. 41-25
Project ID:	Location: Uintah / Utah

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2214 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,200	5-1/2"	15.50	K-55	ST&C	6,200	4.825

	Collapse			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension		
	Load (psi)	Strgth (psi)	S.F.				Load (kips)	Strgth (kips)	S.F.
1	2834	4040	1.426	2834	4810	1.70	96.10	222	2.31 J

Prepared by : *McCoskery, Billings, Montana*  
 Date : 06-11-1996  
 Remarks :

Design is for a Production string.  
 Minimum segment length for the 6,200 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,834 psi, respectively.

NOTE : The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

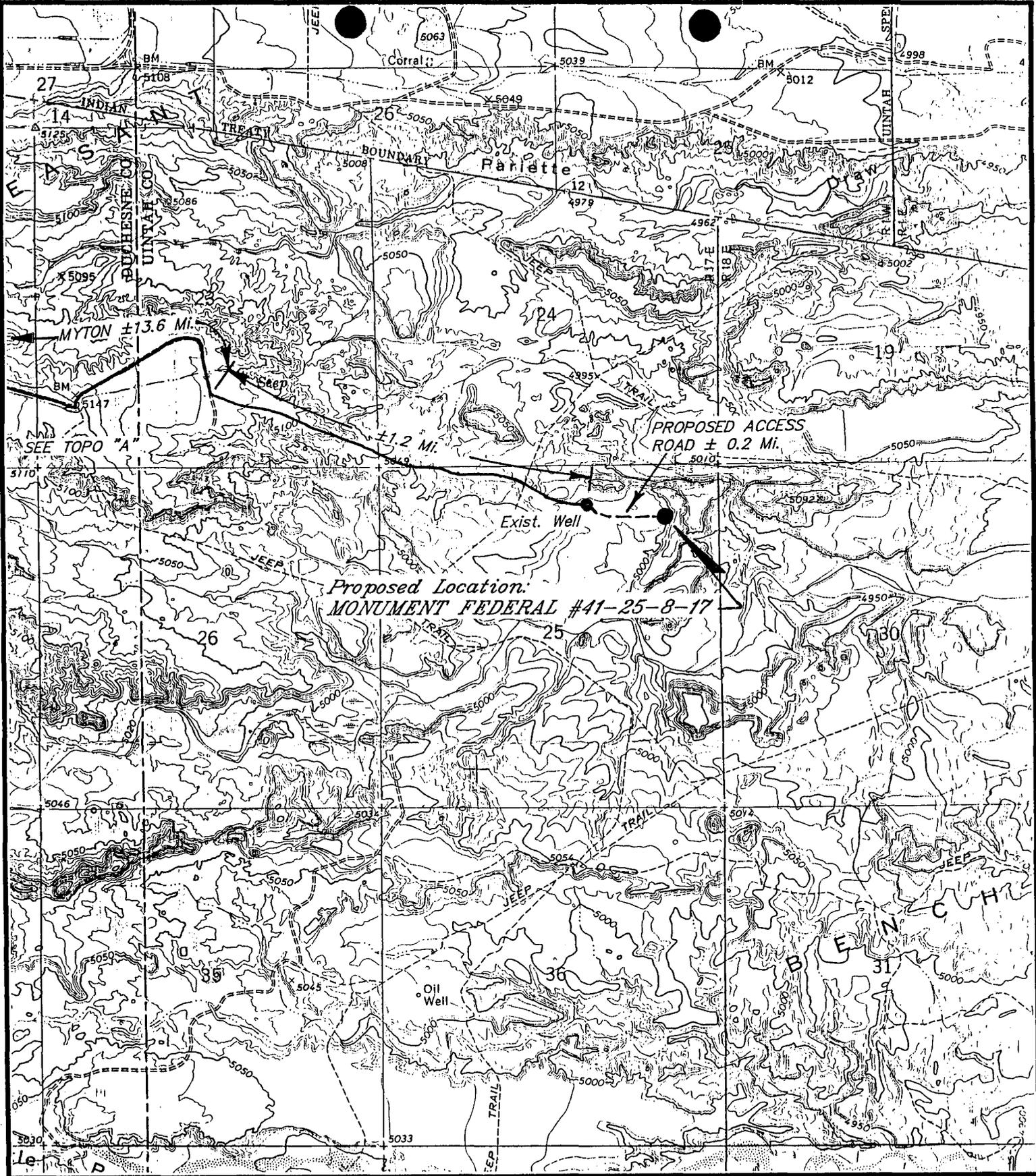
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93  
Revised 12/7/93  
/rs



**EQUITABLE RESOURCES CO.**

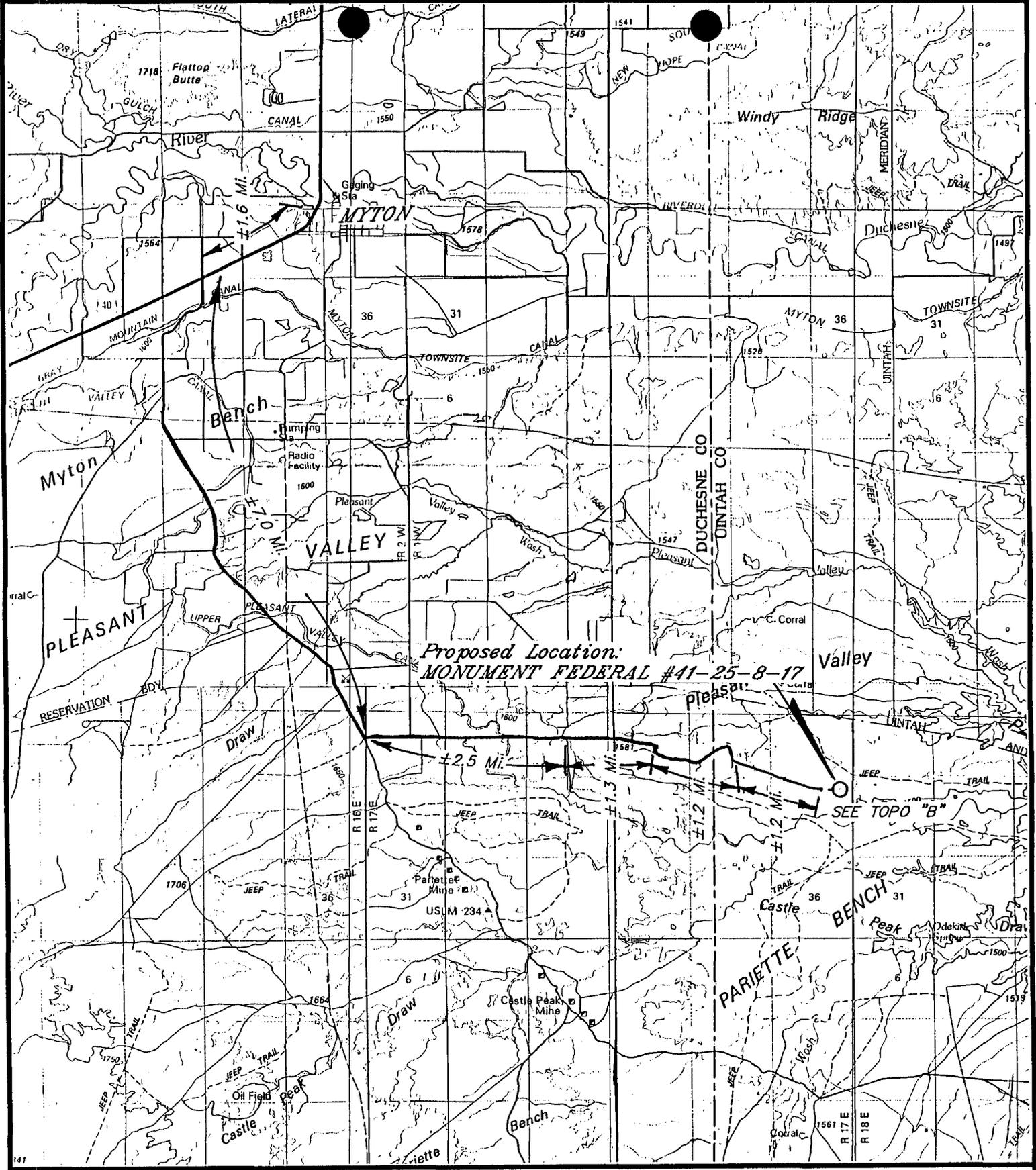
MONUMENT FEDERAL #41-25-8-17  
 SECTION 25, T8S, R17E, S.L.B.&M.  
 TOPO "B"



SCALE: 1" = 2000'

**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



*Proposed Location:*  
**MONUMENT FEDERAL #41-25-8-17**

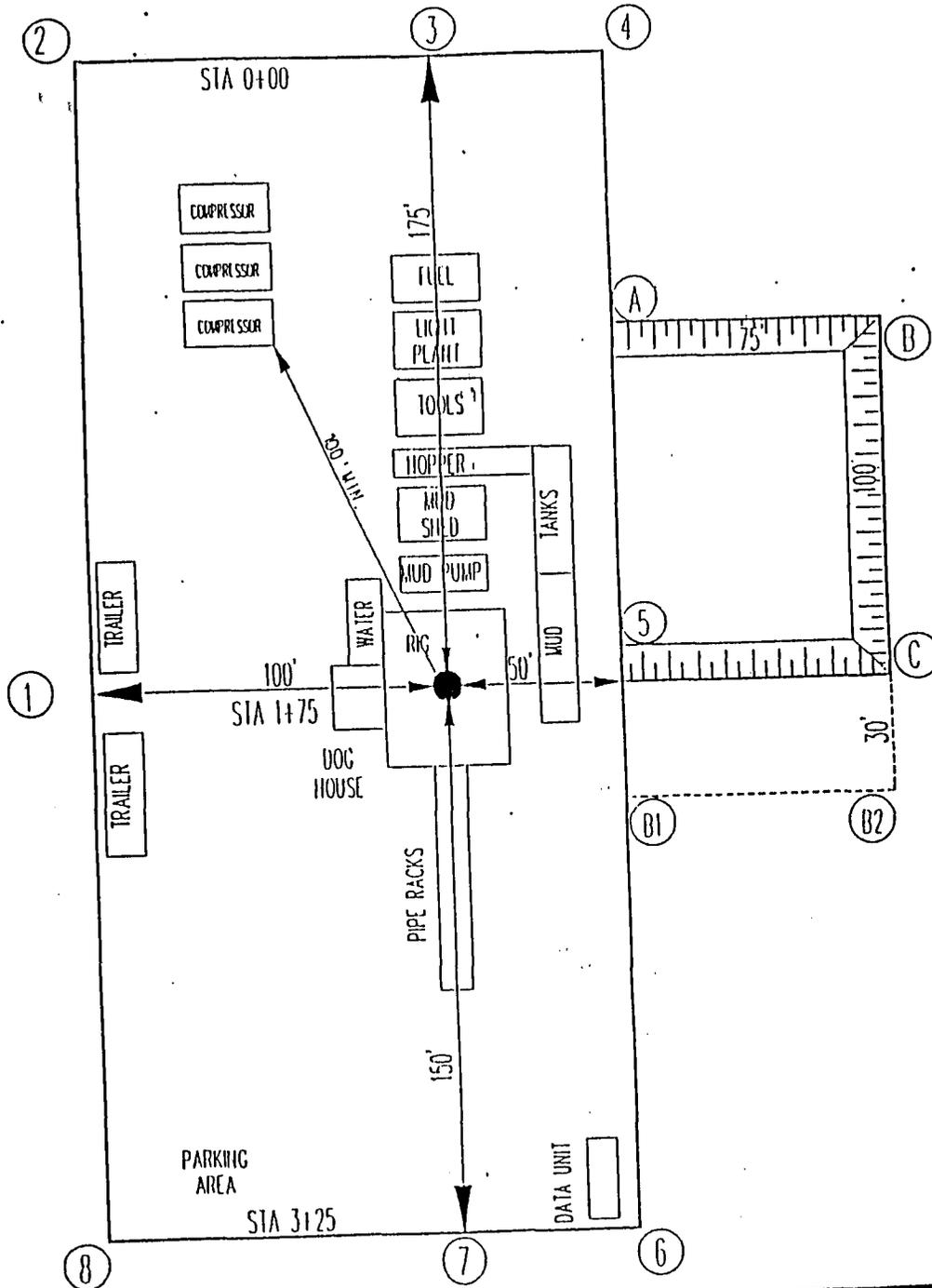
**EQUITABLE RESOURCES CO.**

MONUMENT FEDERAL #41-25-8-17  
 SECTION 25, T8S, R17E, S.L.B.&M.  
 TOPO "A"



**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078

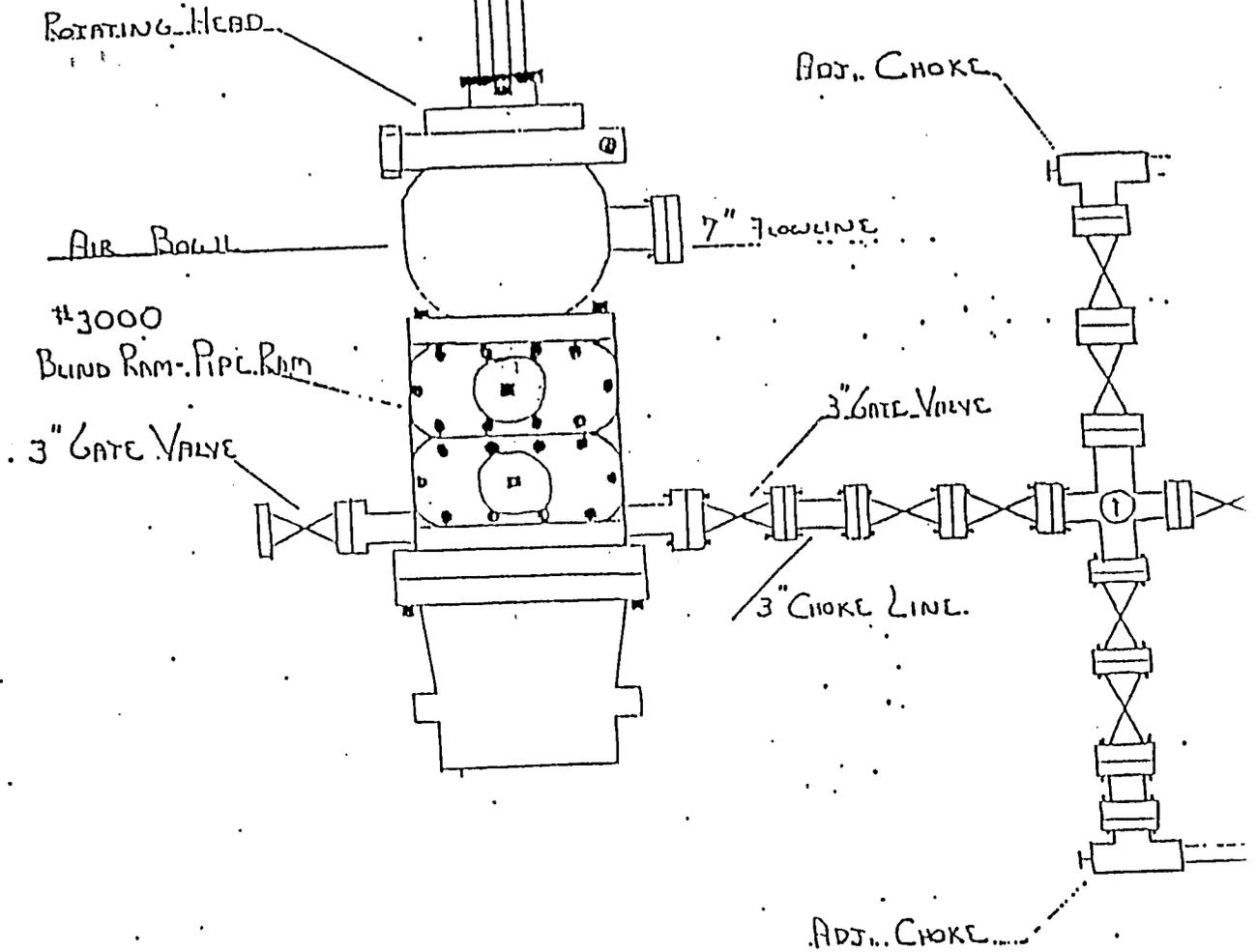
# EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



**TRI-STATE**  
LAND SURVEYING, INC.  
38 N151 100 NORTH, VERNAL, UTAH 84078  
801-781-2501

UNION DRILLING RIG #17

Hex Kelly -



#3000 Stack



PROPOSED PRODUCTION FACILITY DIAGRAM

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIKR

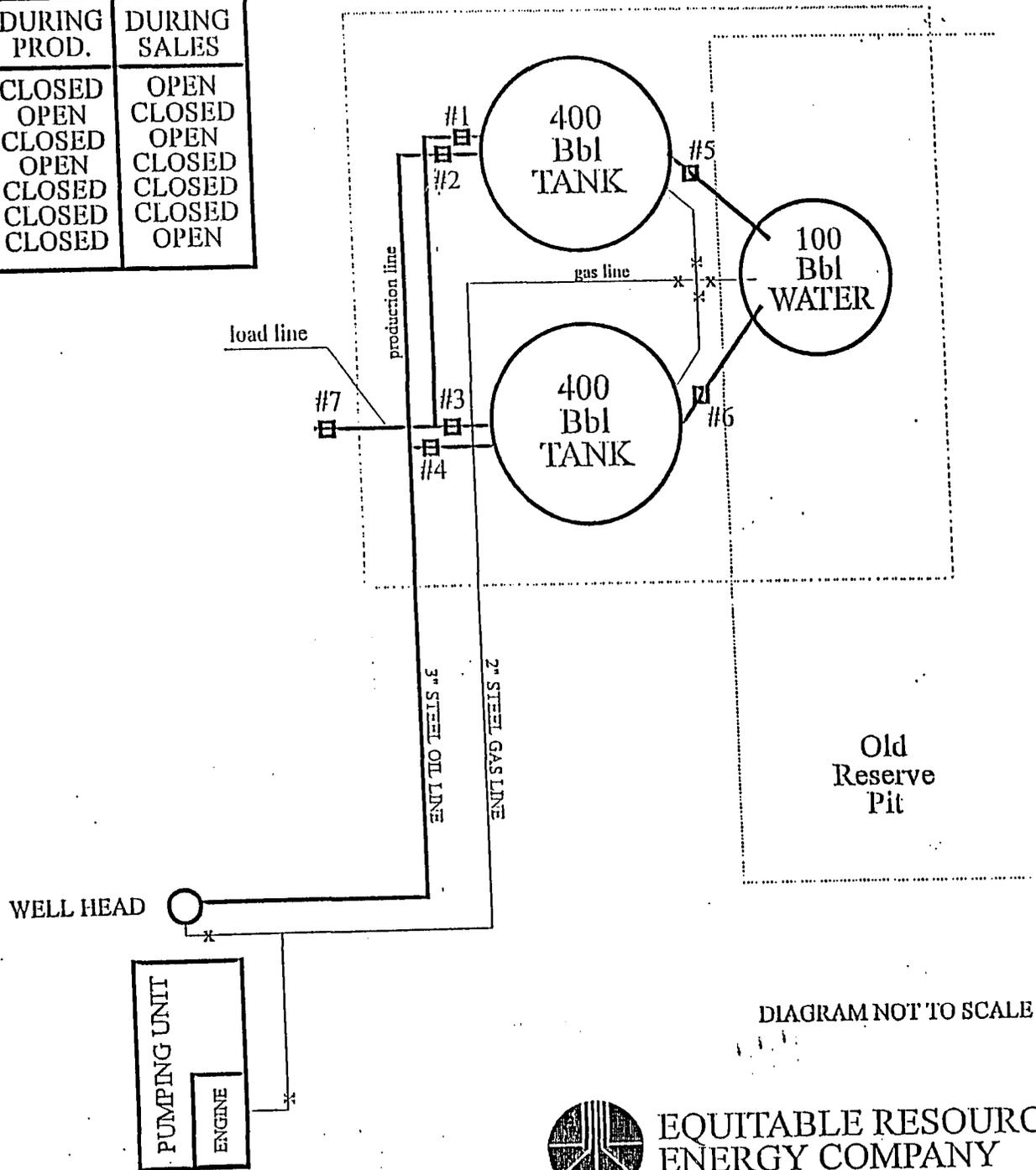


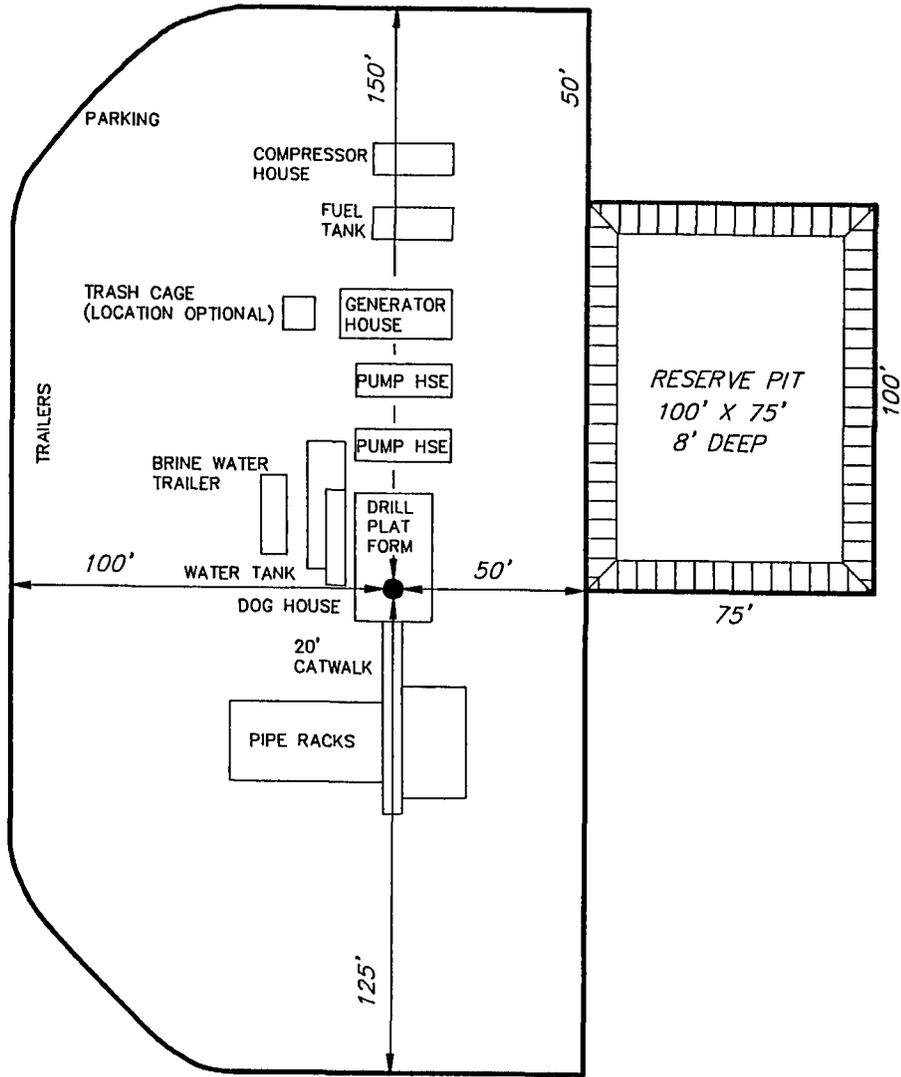
DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION  
1601 Lewis Avenue  
Billings, MT 59104-2  
(406) 259-7860

TYPICAL RIG LAYOUT

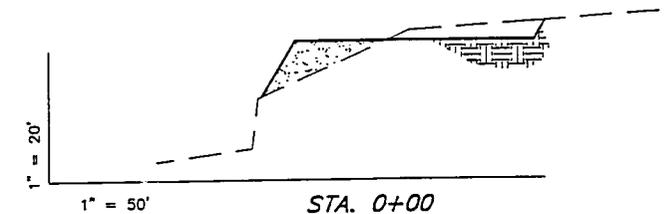
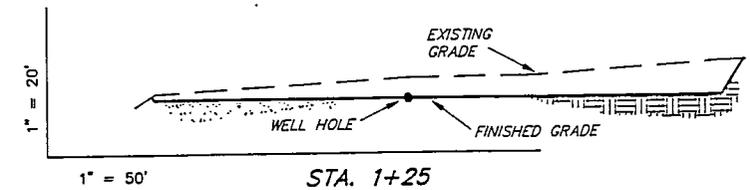
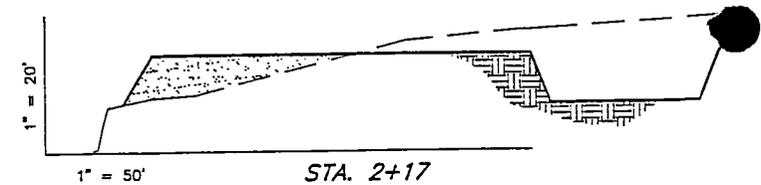
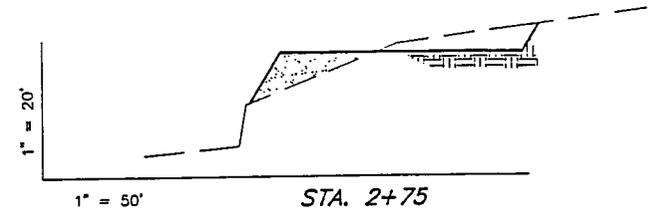
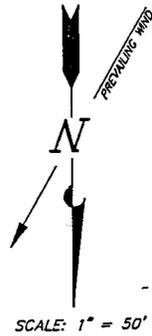
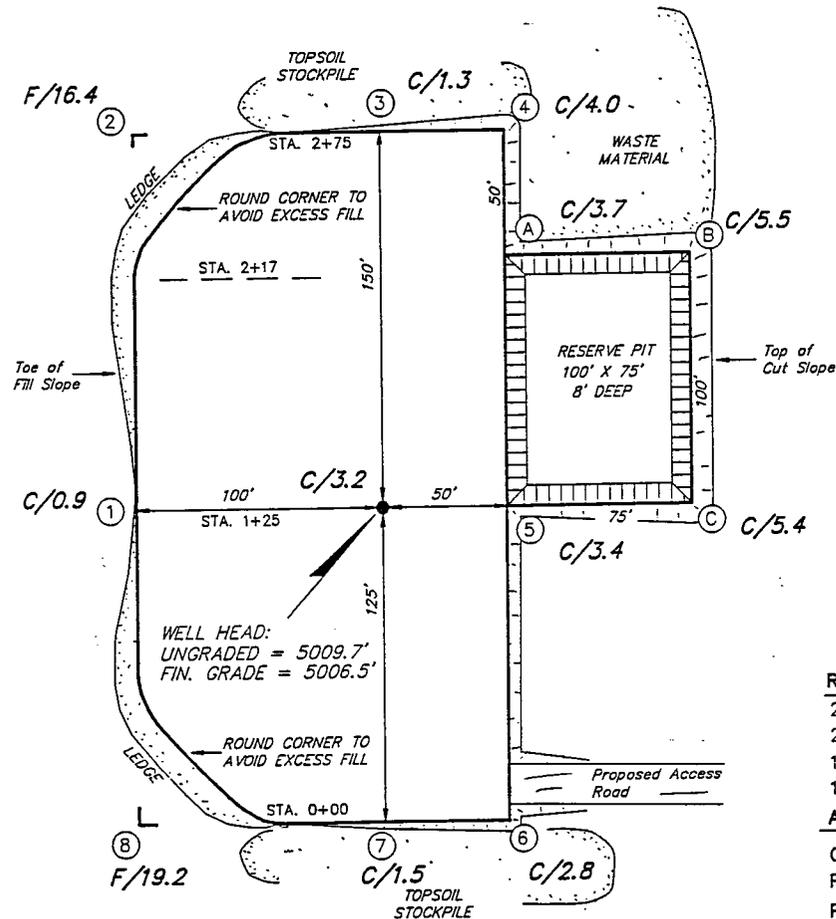
MONUMENT FEDERAL #41-25-8-17



**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH, VERNAL, UTAH 84078

# EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #41-25-8-17  
SEC. 25, T8S, R17E, S.L.B.&M.



### REFERENCE POINTS

- 200' SOUTH = 5008.0'
- 225' SOUTH = 5008.1'
- 150' WEST = 5012.2'
- 175' WEST = 5012.6'

### APPROXIMATE YARDAGES

- CUT = 3,500 Cu. Yds.
- FILL = 3,490 Cu. Yds.
- PIT = 1,940 Cu. Yds.
- 6" TOPSOIL = 900 Cu. Yds.

SURVEYED BY: S.S. G.S.
DRAWN BY: J.R.S.
DATE: 5-23-96
SCALE: 1" = 50'
FILE:

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/01/96

API NO. ASSIGNED: 43-047-32766
--------------------------------

WELL NAME: MONUMENT FEDERAL 41-25-8-17  
 OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
 NENE 25 - T08S - R17E  
 SURFACE: 0800-FNL-0860-FEL  
 BOTTOM: 0800-FNL-0860-FEL  
 UINTAH COUNTY  
 UNDESIGNATED FIELD (002)

LEASE TYPE: FED  
 LEASE NUMBER: UTU - 74870

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal  State  Fee   
 (Number 5547188)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
 (Number JOE SHIELDS)
- RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

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

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

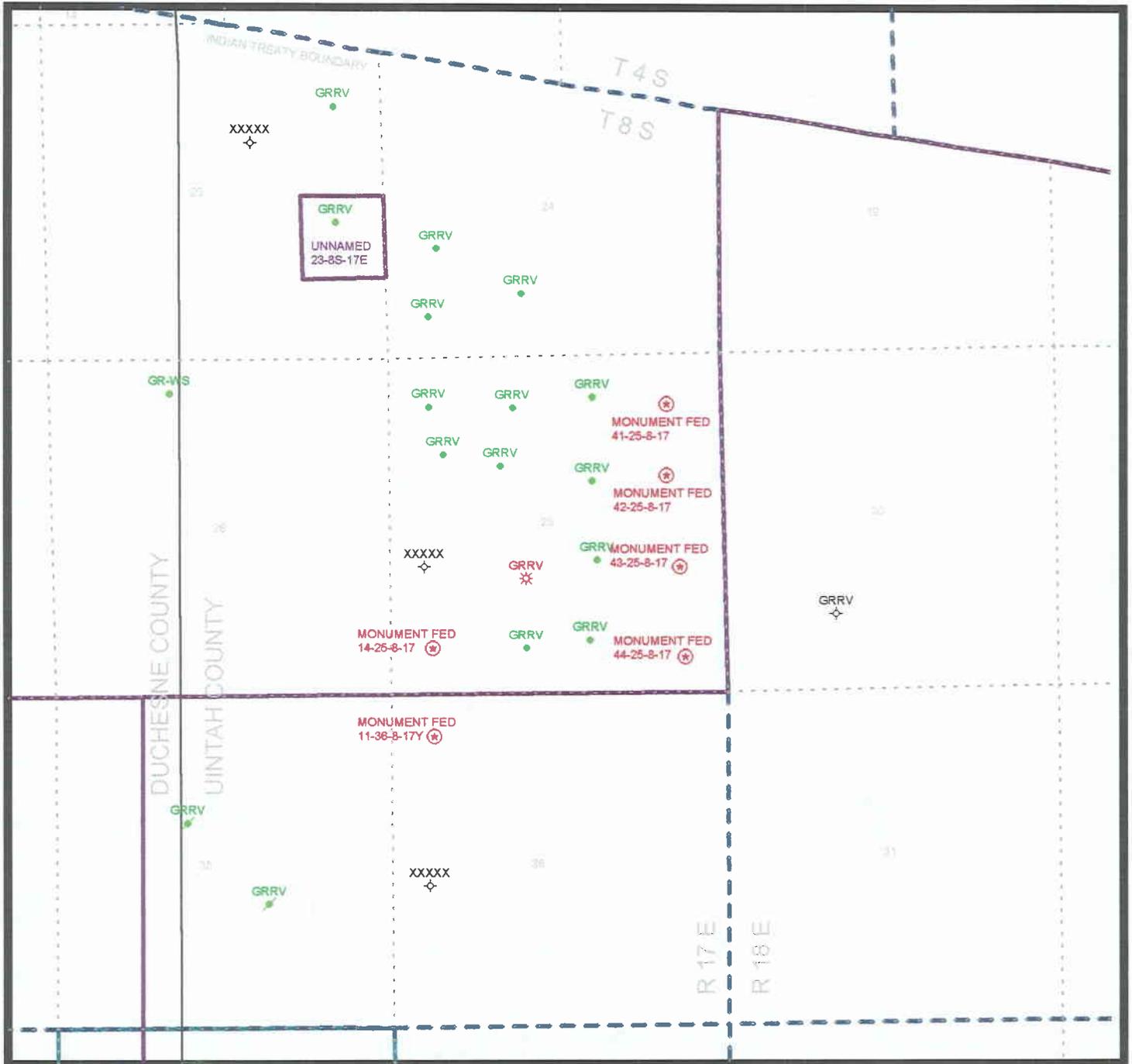
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\_\_\_\_\_

\_\_\_\_\_

# EQUITABLE RESOURCES DEVELOPMENT DRILLING SEC. 25 & 36, T8S, R17E, DUCHESNE, COUNTY UAC R649-3-2



PREPARED:  
DATE: 2-JULY-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: <b>EQUITABLE RESOURCES</b>	Well Name: <b>MON FED 41-25-8-17</b>
Project ID: <b>43-047-32766</b>	Location: <b>SEC. 25 - T8S - R17E</b>

Design Parameters:

Mud weight ( 8.90 ppg) : 0.462 psi/ft  
 Shut in surface pressure : 2444 psi  
 Internal gradient (burst) : 0.068 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,200	5.500	15.50	K-55	ST&C	6,200	4.825
	Collapse Load Strgth (psi) (psi)	S.F.	Burst Load Strgth (psi) (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth (kips) (kips)	S.F.
1	2866	4040	1.410	2866	4810	1.68	96.10 222 2.31 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 08-29-1996  
 Remarks :

GREEN RIVER

Minimum segment length for the 6,200 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 117°F (Surface 74°F , BHT 161°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 2,866 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

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

**Equitable Resources Energy Company**

3. Address and Telephone No.

**1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860**

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

**800' F NL, B60' FEL**

**NE NE 25-T8S-R17E**

5. Lease Designation and Serial No.  
**UTU-74870**

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
n/a

8. Well Name and No.  
**Monument Federal #41-25-8-17**

9. API Well No.

10. Field and Pool, or Exploratory Area  
**Monument Butte/Green River**

11. County or Parish, State  
**Uintah County, UTAH**

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

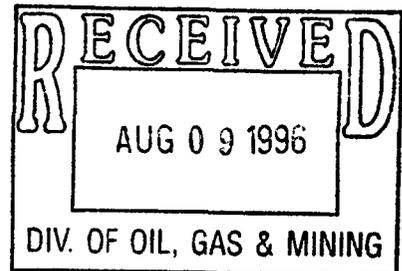
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

Attached is the archaeological survey that was done on this well. This should be considered as part of the APD.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah, Division of Oil, Gas and Mining.



14. I hereby certify that the foregoing is true and correct  
Signed Bobbie Schuman Title Regulatory and Environmental Specialist Date August 8, 1996  
(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.

**CULTURAL RESOURCE EVALUATION  
OF FIVE PROPOSED MONUMENT FEDERAL  
WELL LOCATIONS IN THE  
PARIETTE BENCH LOCALITY  
OF UINTAH COUNTY, UTAH**

Report Prepared for **Equitable Resources Energy Company**  
(Units 14, 41, 42, 43, & 44-25-8-17)

Dept. of Interior Permit No.: UT-96-54937  
AERC Project 1538 (BLCR-96-7)

Utah State Project No.: UT-96-AF-0397b

Principal Investigator  
F. Richard Hauck, Ph.D.

Author of the Report  
F. Richard Hauck



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

181 North 200 West, Suite 5  
Bountiful, Utah 84011-0853

August 5, 1996

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Equitable Resources Energy Company of five proposed Monument Federal well locations situated on federal administered lands in the Pariette Bench locality of Uintah County, Utah. This evaluation includes Monument Federal Units 14-25-8-17, 41-25-8-17, 42-25-8-17, 43-25-8-17, and 44-25-8-17. This study involves a total of ca. 62 acres; 50 acres are associated with the five ten acre parcels examined around each of the well locations and 12 acres are associated with the ca. one mile of access routes associated with these five units. These investigations were conducted by F.R. Hauck and Michael Hauck on July 31 and August 1, 1996.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the development of the proposed well locations and associated access routes.

One newly identified prehistoric cultural resource locus was identified and recorded during the inventory. This site (42UN 2294) is a possible Middle Archaic drying pit/oven and associated artifact scatter; it is considered eligible for inclusion on the National Register of Historic Places.

No isolated, diagnostic artifacts were noted during the evaluations, although numerous isolated primary flakes were observed. All five locations and their access routes are associated with desert pavement zones which contain Parachute Creek Chert float in the form of highly patinated detritus. Anciently, this material was occasionally tested for lithic potential and those isolated "tap and test" flakes are relatively common within these pavement zones but do not qualify as activity loci, i.e., documentable sites, due to their apparent lack of association and context.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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## GENERAL INFORMATION

On July 31 and August 1, 1996, AERC archaeologist, F.R. Hauck and assistant Michael Hauck, conducted intensive cultural resource evaluations of five proposed Monument Butte well locations in the Pariette Bench locality of Uintah County, Utah (see Map 1). The purpose of this report is to detail the results of these evaluations, which include the Monument Federal Units 14-25-8-17, 41-25-8-17, 42-25-8-17, 43-25-8-17, and 44-25-8-17 (see Map 2) and five separate access routes associated with these five well sites. About 62 acres were examined which include 50 acres associated with the five ten acre well pad parcels and 12 acres associated with the cumulative one mile of 100 foot-wide access corridors. All five proposed well locations are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and access corridors requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

### Project Location

The project location is in the Pariette Bench locality of Uintah County, Utah. These five wells are situated on the Pariette Draw SW 7.5 minute topographic quad. in the following sections:

**Monument Federal Unit 14-25-8-17** (see Map 2) is in the southwest quarter of the southwest quarter of Section 25, Township 8 South, Range 17 East, Salt Lake B. & M. Its .075 mile-long access links to an existing two-track to the west of the location.

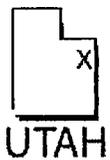
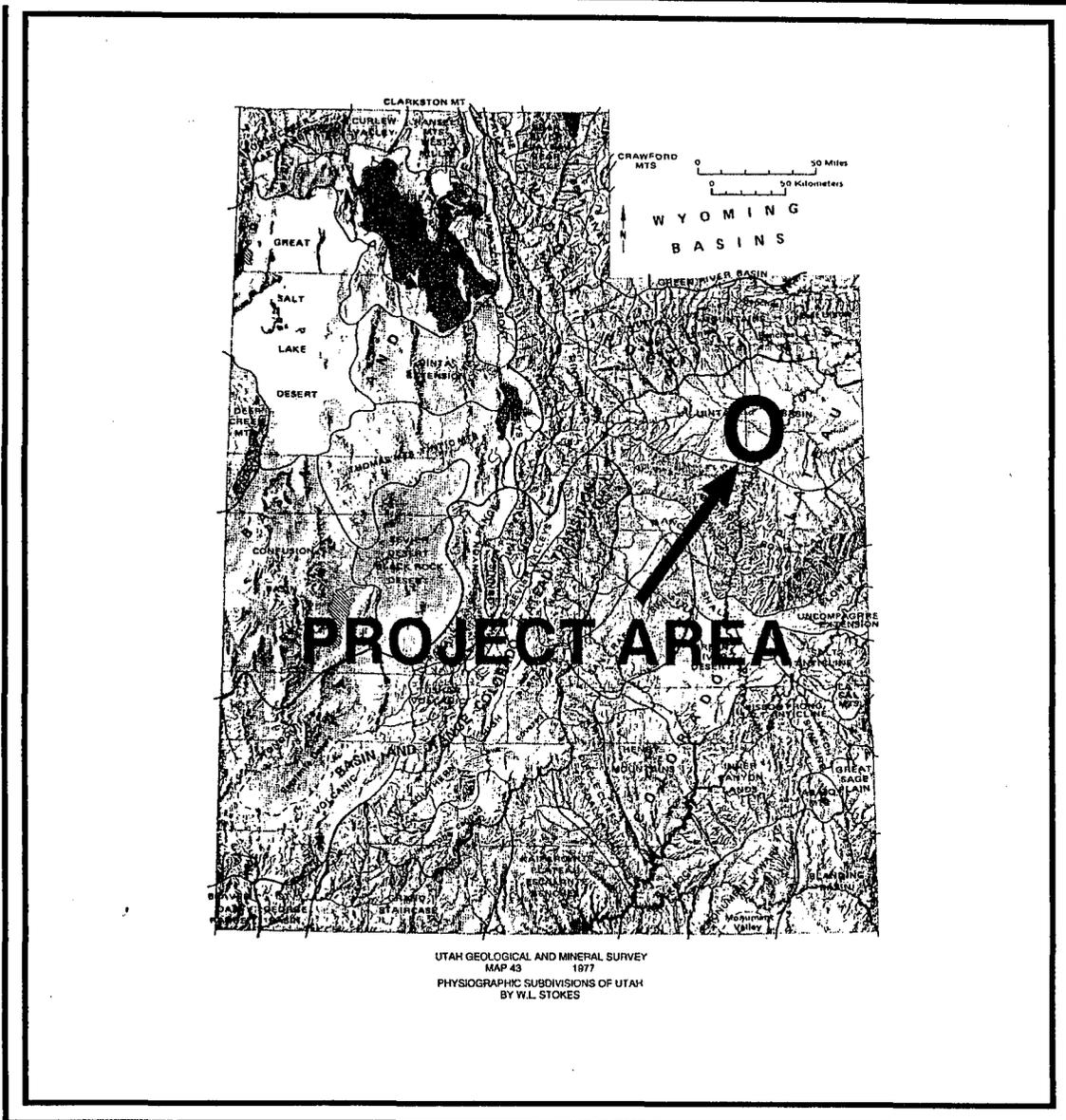
**Monument Federal Unit 41-25-8-17** (see Map 2) is in the northeast quarter of the northeast quarter of Section 25, Township 8 South, Range 17 East, Salt Lake B. & M. Its .2 mile-long access links to an existing well location to the west of the proposed location.

**Monument Federal Unit 42-25-8-17** (see Map 2) is in the southeast quarter of the northeast quarter of Section 25, Township 8 South, Range 17 East, Salt Lake B. & M. Its .2 mile-long access links to an existing well location to the west of the proposed location.

**MAP 1: GENERAL PROJECT LOCALITY  
IN  
UINTAH COUNTY  
UTAH**



**PROJECT: BLCR - 96 - 7  
SCALE: see below  
QUAD: see below  
DATE: August 5, 1996**

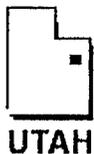
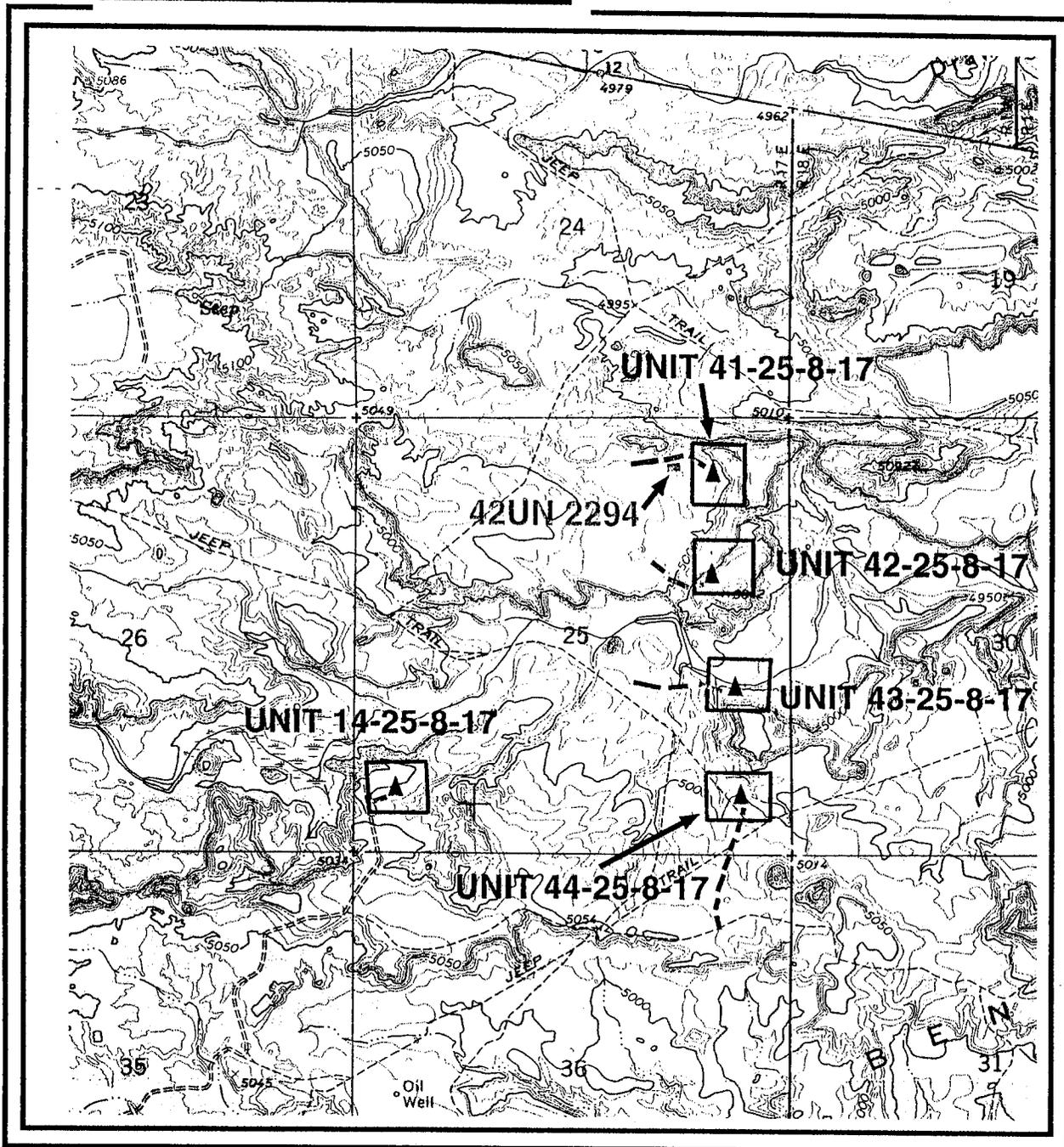


**TOWNSHIP: MULTIPLE  
RANGE: MULTIPLE  
MERIDIAN: SALT LAKE & UINTAH B. & M.**

**MAP 2: CULTURAL RESOURCE SURVEY  
OF 5 PROPOSED WELL LOCATIONS  
IN THE  
PARIETTE BENCH  
LOCALITY OF UINTAH COUNTY, UTAH**



**PROJECT:** BLCR - 96 - 7  
**SCALE:** 1: 24,000  
**QUAD:** Pariette Draw SW, Utah  
**DATE:** August 5, 1996



**TOWNSHIP:** 8 South  
**RANGE:** 17 East  
**MERIDIAN:** Salt Lake B. & M.

**LEGEND**

Well Location ▲  
 Access Route - - -  
 Cultural Site ●

Survey Area □  
 Pipeline Corridor ↗↘

**Monument Federal Unit 43-25-8-17** (see Map 2) is in the northeast quarter of the southeast quarter of Section 25, Township 8 South, Range 17 East, Salt Lake B. & M. Its .25 mile-long access links to an existing well location to the west of the proposed location.

**Monument Federal Unit 44-25-8-17** (see Map 2) is in the southeast quarter of the southeast quarter of Section 25, Township 8 South, Range 17 East, Salt Lake B. & M. Its .3 mile-long access links to an existing roadway to the south of the proposed location in the northeast quarter of adjacent section 36.

### Environmental Description

The project area is within the 4700 to 5080 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on July 16, 1996. A similar search was conducted in the Vernal District Office of the BLM on July 31, 1996. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf., Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994, 1995).

## Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

## Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations of these five locations consisted of the archaeologists walking a series of 15 to 20 meter-wide transects within each ten acre parcel associated with each well pad zone and along a 100 foot-wide corridor centered on the flagged centerline for the five associated access routes as shown on Map 2. Thus, ca. 62 acres were inventoried relative to these proposed well locations of which 50 acres includes the five ten acre parcels and ca. 12 acres includes the cumulative one mile of access corridors.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms.

In certain instances, the cultural sites are then evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 computer manufactured by Geophysical Survey Systems, Inc. [GSSI] of North Salem, New Hampshire). GPR was not used during this project.

Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

*The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:*

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

### Results of the Inventory

No previously recorded cultural resource loci of historic or prehistoric affiliation will be adversely affected by the proposed development of these five proposed well locations and access routes. Sites 42UN 1881 and 42UN 2199 are in the general vicinity of the current projects but will not be affected by the proposed development programs.

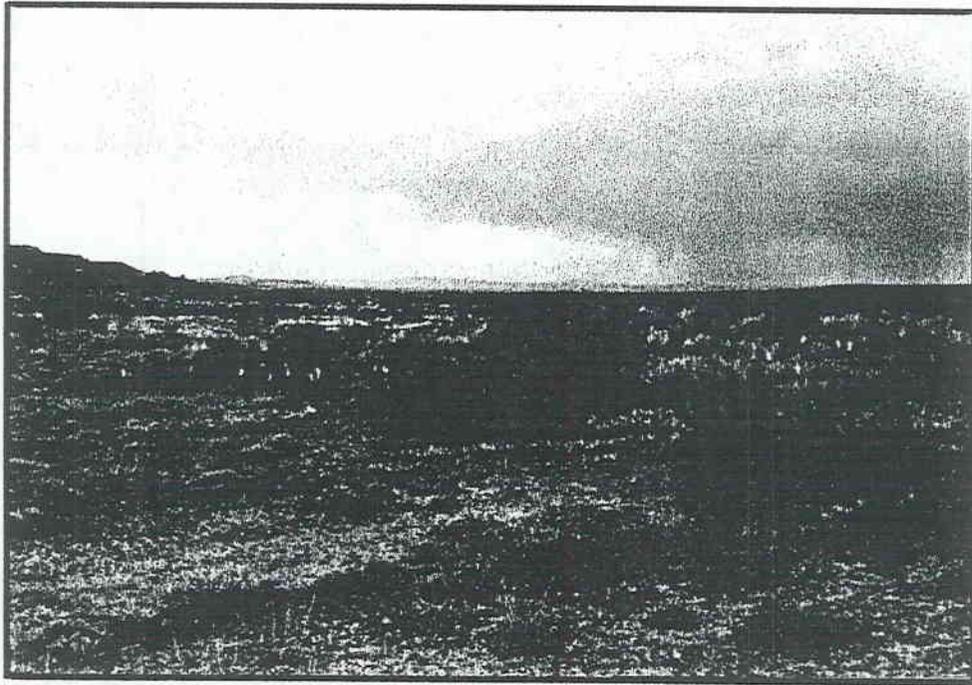
No diagnostic isolated artifacts were observed and recorded during the evaluations. Several isolated primary flakes were observed but subsequent searches in their localities failed to identify any cultural context, e.g., associated artifacts, features, or cultural occupation areas. All five locations and their access routes are associated with desert pavement zones which contain Parachute Creek Chert float in the form of highly patinated detritus. Anciently, this material was occasionally tested for lithic potential and those "tap and test" flakes are relatively common within these pavement zones but do not qualify as activity loci, i.e., documentable sites, due to their apparent lack of association and context.

No paleontological sites or materials of significance were observed during these evaluations.

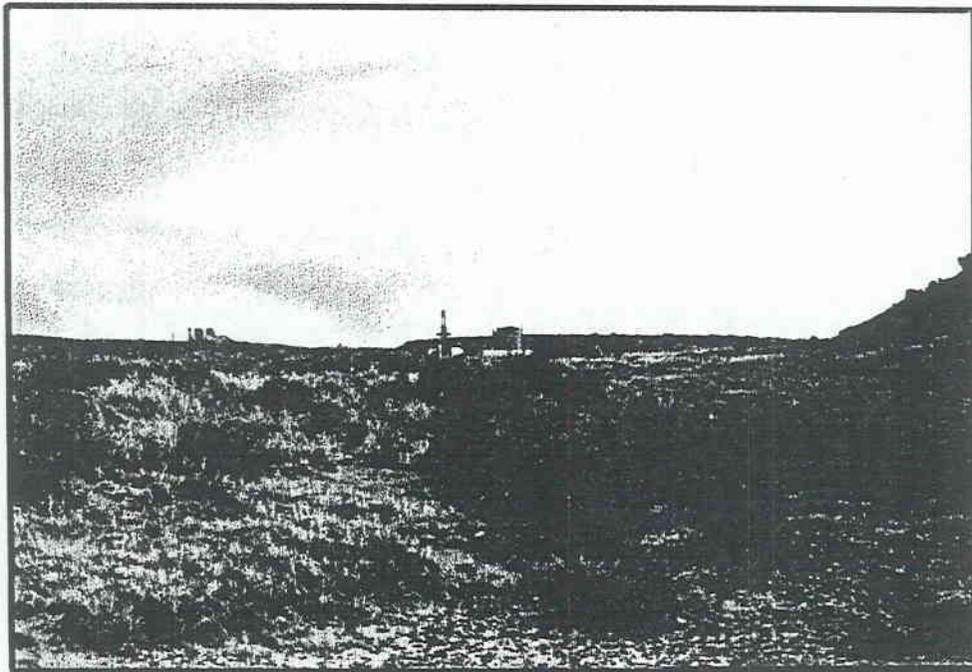
One prehistoric site, 42UN 2294, a possible meat parching oven dating to the Middle Plains Archaic and its associated lithic scatter, was identified and recorded during the evaluation of proposed Unit 41-25-8-17. The following is a summary of the site and its significance:

#### **Site 42UN 2294 (see Maps 2 , 3 and 4 and Photographs 1 and 2)**

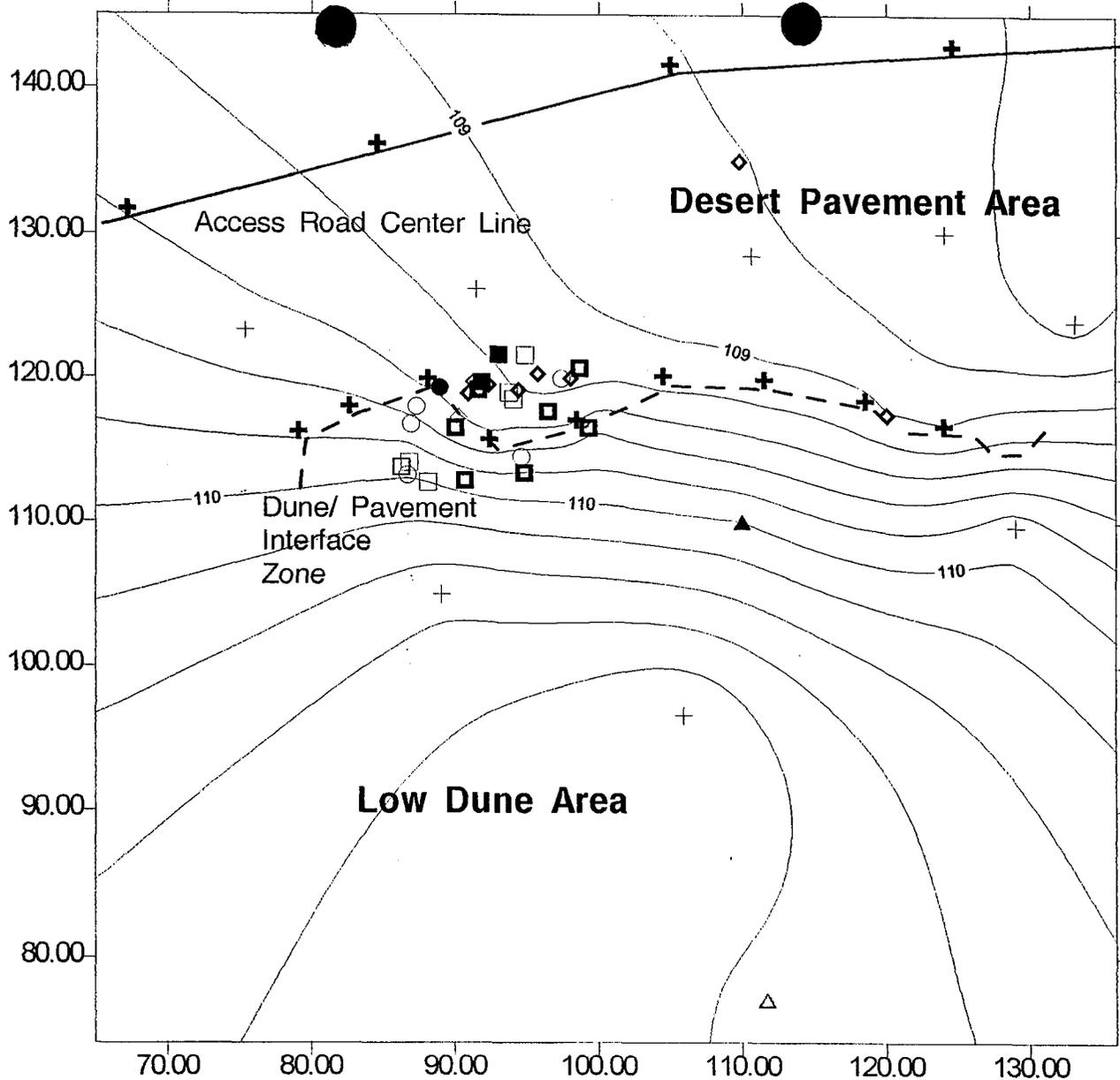
This site consists of at least one meat drying pit, or parching oven, and affiliated lithic/tool scatter. The drying pit has deflated from its original aeolian matrix into a concentration of heated cobbles resting on the hardpan surface adjacent to the remnant aeolian deposit. Remnants of core reduction activity are on the immediate south side of the deflated feature. Two bifacially prepared butchering tools are within several meters of the feature. The light concentration of additional cobbles ca. 5 meters to the east of this feature may mark the location of a second parching oven that has only partially been exposed. The presence of partially exposed cobbles in the aeolian deposit indicate that there is a good potential for additional parching ovens in the sand deposits to the south of the exposed feature; if such features exist, they are possibly still in situ. Debitage on site consists of



**PHOTOGRAPH 1: Site 42UN 2294 -- view to the east  
artifacts shown with red pinflags**



**PHOTOGRAPH 2: Site 42UN 2294 -- view to the west  
artifacts shown with red pinflags**



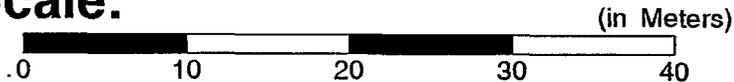
# MAP 3: Site Map for 42UN 2294

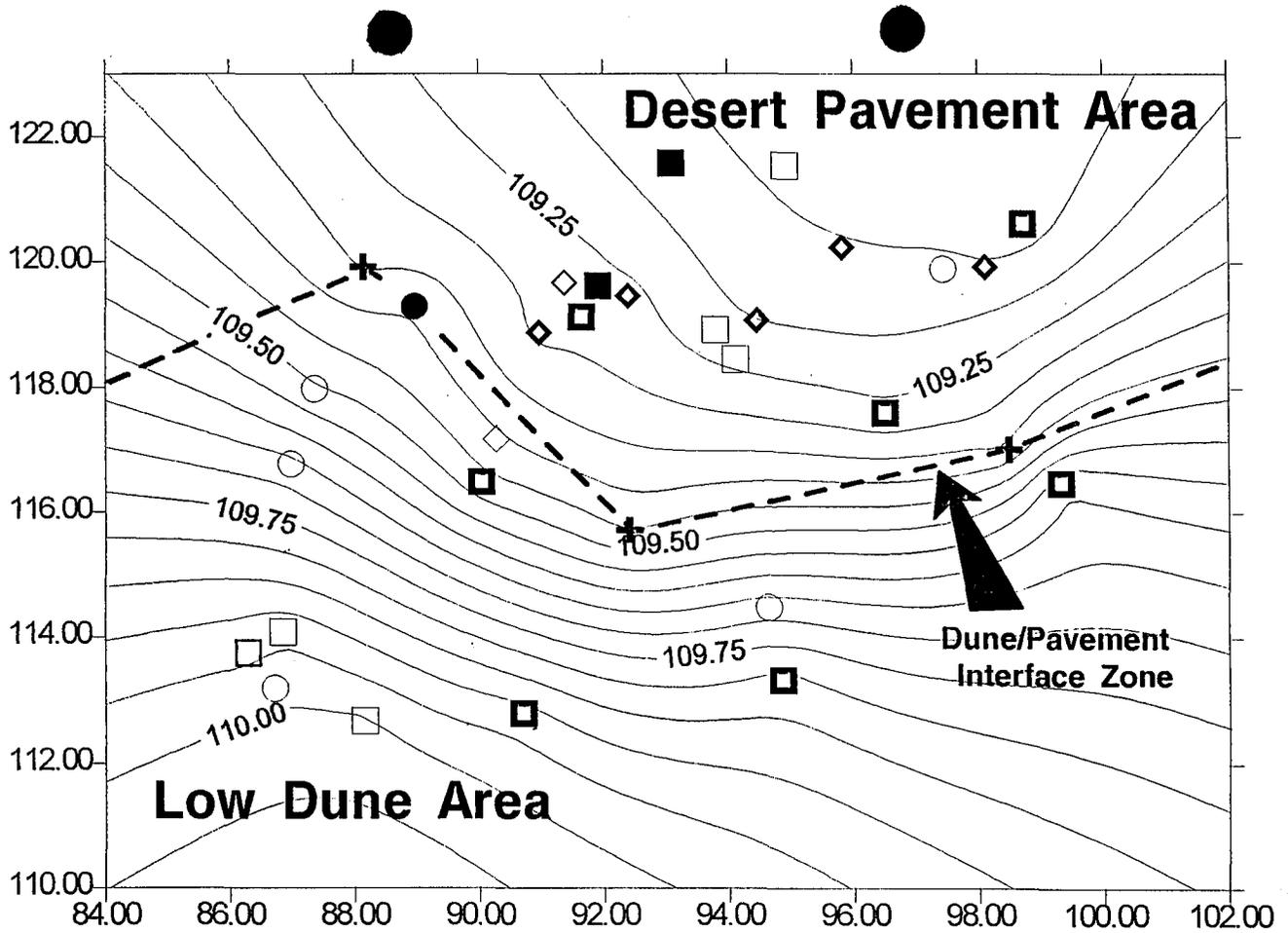
## Legend:



- ▲ Primary Datum
- △ Surveyor's Control Point
- + Slope Shot
- ⊕ Link Point
- ◇ Core Shatter (White Chert)
- ◇ Primary Flake (White Chert)
- ◆ Secondary Flake (White Chert)
- Slate Flake
- Primary Flake (Parachute Creek Chert)
- ▣ Secondary Flake (Parachute Creek Chert)
- Oxidized Cobble
- Feature

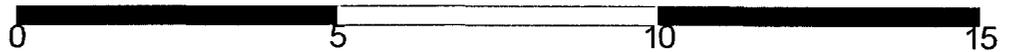
## Scale:





# MAP 4: Enlargement of Site Area Shown on Map 3

**Scale:** (in meters)



## Legend:

- |   |                   |
|---|-------------------|
| ◇ Core Shatter (White Chert)              | ● Feature         |
| ◇ Primary Flake (White Chert)             | ○ Oxidized Cobble |
| ◇ Secondary Flake (White Chert)           | ■ Lithic Tool     |
| ■ Slate Flake                             |                   |
| □ Primary Flake (Parachute Creek Chert)   |                   |
| □ Secondary Flake (Parachute Creek Chert) |                   |



Note: All measurements are in meters

both Parachute Creek chert (a thin-bedded float commonly found throughout this locality), gray slate, and a translucent white to tan/gray chert which has been brought into the site from elsewhere. All three materials were utilized in the preparation of expediency tools for use during the activities associated with the deflated feature and appear to have been largely discarded after immediate use. A similar but larger site (42UN 1655) was recorded in this region by AERC in 1987 (cf., Hauck 1987). That site report contains more detailed information concerning this type of site and its unique features.

**National Register Status:** This site is considered to be a significant resource and eligible for inclusion on the National Register of Historic Places because it contains excellent depth potential, and satisfies Criterion d of Title 36 CFR 60.6 for National Register eligibility.

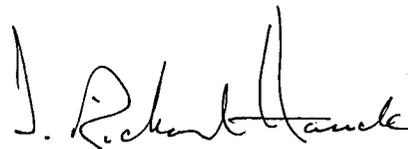
**Recommendations:** AERC recommends avoidance of 42UN 2294 during the construction and utilization of the adjacent access road into Unit 41-25-8-17. As Map 3 demonstrates, the centerline for the proposed access route has been staked ca. 20 meters outside the northern periphery of the site. **AERC recommends that construction of the access route in the vicinity of this resource, be confined to the northern side of the flagged centerline in order to facilitate avoidance of this site.**

## CONCLUSION AND RECOMMENDATIONS

One cultural resource of significance, Site 42UN 2294, is susceptible to adverse effect during the development of the access route into Monument Federal Unit 41-25-8-17. Site 42UN 2294 is associated with the access corridor for that unit and is considered to be eligible for inclusion on the National Register. Mitigation of potential for adverse effect through avoidance of the resource is recommended.

AERC recommends that a cultural resource clearance be granted to Equitable Resources Energy Company relative to the development of these five proposed wells and access corridors based upon adherence to the following stipulations:

1. the access route for Unit 41-25-8-17 should be constructed immediately to the north of the present centerline in the vicinity of Site 42UN 2294 in order to avoid this significant resource;
2. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the well pad zones, flagged areas, and corridors examined as referenced in this report, and to the existing roadways;
3. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
4. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

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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

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

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

800' FNL, 860' FEL

NE NE 25 - T8S - R17E

5. Lease Designation and Serial No.  
UTU-74870

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
n/a

8. Well Name and No.

Monument Federal #41-25-8-17

9. API Well No.

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Uintah County, UTAH

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

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

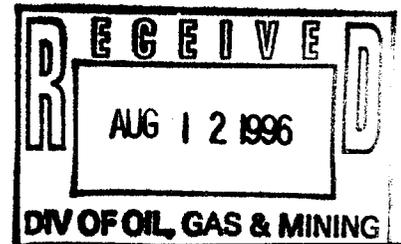
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

Attached is the palentological report that was done on this proposed wellsite. This should be condiered as part of the APD.

ORIGINAL Bureau of Land Management (Vernal, UT)

COPY: State of Utah, Division of Oil, Gas and Mining (Salt Lake City, UT)



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

Signed

Bobbie Schuman  
Bobbie Schuman

Title

Regulatory and Environmental Specialist

Date August 9, 1996

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

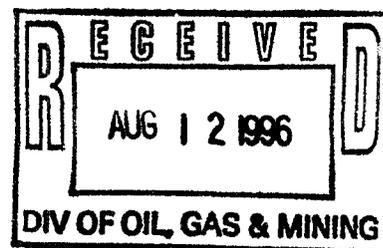
EQUITABLE RESOURCE ENERGY COMPANY  
MONUMENT FEDERAL #41-25-8-17  
NE/NE Section 25, T8S, R17E, SLB&M  
UINTAH COUNTY, UTAH

PALEONTOLOGY REPORT  
WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
4462 SOUTH VERNAL AVENUE  
VERNAL, UTAH 84078

JULY 29, 1996



RESULTS OF PALEONTOLOGY SURVEY AT EQUITABLE RESOURCE ENERGY COMPANY MONUMENT  
FEDERAL #41-25-8-17, NE/NE Section 25, T8S, R17E, SLB&M, Uintah County, Utah.

Description of Geology and Topography-

This well is located 7 miles south and 5 miles east of Myton, Utah. It sits just southwest of an eroded out draw or gully. A small ridge crosses to the north of the location and road. The access road comes in from an existing well to the west. Both the access road and well location are covered by sand with a few rock fragments. There are a few exposures of brown silt along the road and several exposures of tan sandstone on the wellpad.

All rock outcrops in the general area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

Paleontological material found -

Other than an occasional isolated turtle shell fragment mixed with other rocks along the road, no vertebrate fossils were found on the access road or the wellpad. Fossil turtles do occur in the draw northeast and west of the well location at a lower horizon.

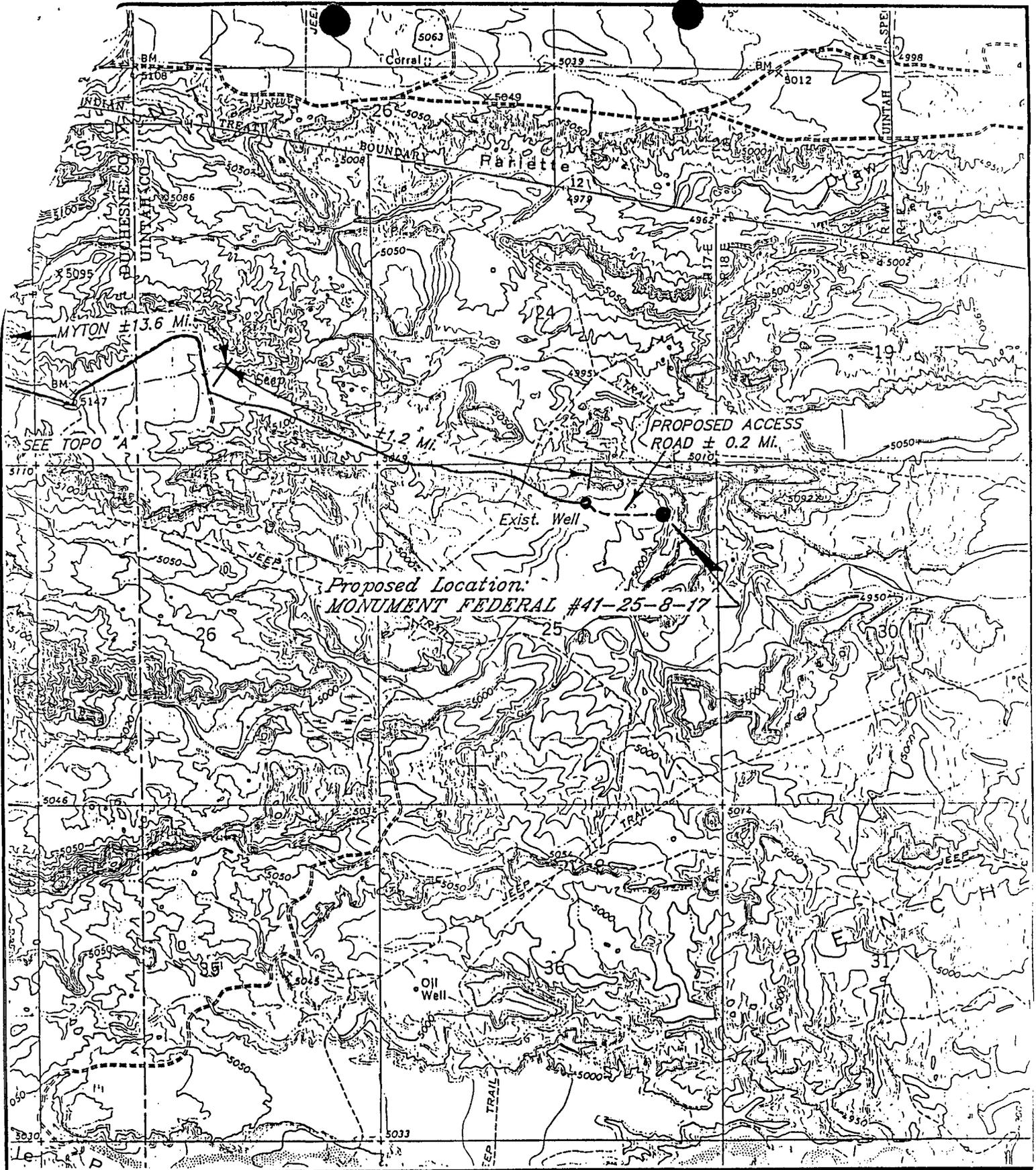
Recommendations -

No other recommendations are made for this wellpad and access road.

There is always some potential for encountering significant fossils when working in the Uinta Formation. Some potential exists for plant fossils, but they are not as critical as vertebrate fossils. If important looking fossil material is found during construction, a paleontologist should be called to evaluate it.

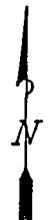
Adrian H. Hamblin  
Paleontologist

Date July 29, 1996



***EQUITABLE RESOURCES CO.***

**MONUMENT FEDERAL #41-25-8-17  
SECTION 25, T8S, R17E, S.L.B.&M.  
TOPO "B"**



SCALE: 1" = 2000'

***Tri State***  
Land Surveying, Inc.  
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



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 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

August 29, 1996

Equitable Resources Energy  
1601 Lewis Avenue  
Billings, Montana 59102

Re: Monument Federal 41-25-8-17 Well, 800' FNL, 860' FEL,  
NE NE, Sec. 25, T. 8 S., R. 17 E., Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32766.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

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

Operator: Equitable Resources Energy Company  
Well Name & Number: Monument Federal 41-25-8-17  
API Number: 43-047-32766  
Lease: UTU-74870  
Location: NE NE Sec. 25 T. 8 S. R. 17 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
SEP 1 1996  
DIV. OF OIL, GAS & MINING  
TRIPPLICATE  
SUBMIT TO BUREAU OF LAND MANAGEMENT

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

DOG 1171

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  
Equitable Resources Energy Company

3. ADDRESS OF OPERATOR  
1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
NE NE Section 25, T8S, R17E 800' FNL & 860' FEL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
From Myton, Utah approximately 11 miles SW

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
16. NO. OF ACRES IN LEASE  
479.94  
17. NO. OF ACRES ASSIGNED TO THIS WELL  
40  
19. PROPOSED DEPTH  
6200'  
20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5009.7' GR

22. APPROX. DATE WORK WILL START\*  
August 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see attached Drilling Program and Casing Design				

5. LEASE DESIGNATION AND SERIAL NO.  
UTU74870

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a

7. UNIT AGREEMENT NAME  
n/a

8. FARM OR LEASE NAME  
Monument Federal

9. WELL NO.  
41-25-8-17

10. FIELD AND POOL, OR WILDCAT  
Monument Butte/Green River

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
25, T8S, R17E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

Operator proposes to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this application.

RECEIVED  
JUL 01 1996

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 Molly Conrad TITLE Operations Secretary DATE 6-27-96

(This space for Federal or State office use)  
**NOTICE OF APPROVAL**

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
ACTING Assistant Field Manager  
Mineral Resources  
APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE SEP 04 1996

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

44080-6m-162

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Equitable Monument Federal 41-25-8-17

API Number: 43-047-32766

Lease Number: U - 74870

Location: NENE Sec. 25 T. 8S R. 17E

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

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

### A. DRILLING PROGRAM

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

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

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

#### 2. Pressure Control Equipment

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

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

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

#### 3. Casing Program and Auxiliary Equipment

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

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 the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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.

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 on initial 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 Field 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:

Ed Forsman (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert (801) 789-4170  
Petroleum Engineer

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

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

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

Refinery wastes

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

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

### SURFACE USE PROGRAM

Conditions of Approval (COA'S)

#### METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL

The reserve pit shall be lined with a synthetic liner that is a minimum of 12 mil thickness with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

#### Plans For Reclamation Of Location

When reclaiming the reserve pit, the pit liner will be torn and perforated before backfilling the reserve pit and the torn liner will be buried a minimum of four (4) feet deep. If this is a producing well and after the reclamation of the reserve pit and unused disturbed areas on the well pad these disturbed areas will be reseeded with the following seed mixture:

1. Seed the unused disturbed area of the well pad with:

Pure Live Seed(PLS) <u>Seed Mix</u>	<u>lbs/acre</u>
Nutalls saltbush ( <i>Atriplex nuttallii</i> v. <i>cuneata</i> )	4
mat saltbush ( <i>Atriplex corrugata</i> )	4
<u>Indian ricegrass (<i>Oryzopsis hymenoides</i>)</u>	<u>4</u>
Total	12

A. Drilling of the seed mixture is preferred but if broadcasted then the mixture will be double the lbs. per acre and the surface must be harrow dragged over the seeded area to assure seed coverage by soil.

B. Seeding will be done after September 15 but before permanent frost of the year the disturbed areas are reclaimed.

At time of final abandonment the intent of reclamation will be to return the disturbed area to near natural conditions. Recontour the surface of the disturbed area to **blend all cuts, fills, road berms, and borrow ditches to be natural in appearance** with the surrounding terrain. After recontouring of the area any stockpiled topsoil will be spread over the surface, and the area reseeded and revegetated to the satisfaction of the authorized officer of the BLM. Contact the authorized officer of the BLM at the time of reclamation for the required seed mixture.

Other Information

The operator or their contractor shall contact the BLM office at (801)789-1362, 48 hours prior to construction activities.

To protect archeological material along the route of the proposed access road, the road will be developed immediately north of the center line staking of the route and not centered on the stakes.

To protect the reproductive behavior of prairie falcons that nest in the area development of the location or drilling will **not occur** from April 1 through July 15.

Due to raptor species nesting in the area, if this is a producing well location, the pumping unit will be equipped with a multicylinder engine to reduce noise that may interfere with the reproductive behavior of the raptors.



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: *Lisha*  
*St of Utah.*

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

NOTE: *Here is the letter you requested.  
Call if you need anything  
further.*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

County:

State:

RECEIVED

OCT 13 1997

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandon \*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

Revised 9/17/97

09/30/97

EREC APD LIST  
(APPROVED and PENDING)

ST = State

WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	ST.	APD STATUS	ZONE	FED. OR STATE LEASE NO.	API NUMBER	FOOTAGES	BLM OFFICE	UNIT OR WELL FILE NO.
Monument Federal #11-10-9-17Y	Monument Butte	NW NW	10	9S	17E	Duchesne	UT	PND	Green River	U-65210				
Monument Federal #11-17-9-16Y	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	APRVD	Green River	UTU-74390	4301331534	409' FNL, 475' FWL	Vernal	
Monument Federal #12-7-9-16Y	Monument Butte	SW NW	7	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31779	575' FNL, 640' FWL	Vernal	
Monument Federal #12-11-9-17Y	Monument Butte	SW NW	11	9S	17E	Duchesne	UT	APRVD	Green River	U-65210	43-013-31777	1980' FNL, 660' FWL	Vernal	
Monument Federal #14-22-8-17	Monument Butte	SW SW	22	8S	17E	Duchesne	UT	APRVD	Green River	U-67845	43-013-31679	1996' FNL, 673' FWL	Vernal	
Monument Federal #14-25-8-17	Monument Butte	SW SW	25	8S	17E	Uintah	UT	APRVD	Green River	U-67845	43-013-31643	532' FSL, 495' FWL	Vernal	
Monument Federal #21-6-9-16Y	Monument Butte	NE NW	6	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74870	43-047-32765	660' FSL, 660' FWL	Vernal	
Monument Federal #21-18-9-16Y	Monument Butte	NE NW	18	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31816	663' FNL, 1728' FWL	Vernal	Humpback
Monument Federal #21-22-9-16Y	Monument Butte	NE NW	22	9S	16E	Duchesne	UT	PND	Green River	UTU-74390	4301331917	859' FNL, 1660' FWL	Vernal	
Monument Federal #22-6-9-16Y	Monument Butte	SE NW	6	9S	16E	Duchesne	UT	APRVD	Green River	UTU-64379	43-013-31727	911' FNL, 2030' FWL	Vernal	
Monument Federal #22-7-9-16Y	Monument Butte	SE NW	7	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31719	2011' FNL, 1869' FWL	Vernal	
Monument Federal #23-6-9-16Y	Monument Butte	NE SW	6	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31776	2036' FNL, 2070' FWL	Vernal	
Monument Federal #23-31-8-16Y	Monument Butte	NE SW	31	8S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31812	1938' FSL, 1756' FWL	Vernal	
Monument Federal #24-6-9-16Y	Monument Butte	SE SW	6	9S	16E	Duchesne	UT	PND	Green River	UTU-74389	43-013-31810	1980' FSL, 1826' FWL	Vernal	
Monument Federal #24-7-9-16Y	Monument Butte	SE SW	7	9S	16E	Duchesne	UT	PND	Green River	UTU-74390	4301331811	717' FSL, 2118' FWL	Vernal	
Monument Federal #24-31-8-16Y	Monument Butte	SE SW	31	8S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31775	517' FSL, 1952' FWL	Vernal	
Monument Federal #31-10-9-17Y	Monument Butte	NW NE	10	9S	17E	Duchesne	UT	PND	Green River	U-49950	43-013-31780	682' FSL, 1832' FWL	Vernal	
Monument Federal #32-5-9-17	Monument Butte	SW NE	5	9S	17E	Duchesne	UT	PND	Green River	U-65210	4301331591	660' FNL, 1980' FEL	Vernal	
Monument Federal #32-7-9-16Y	Monument Butte	SW NE	7	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74808	4301331918	1833' FNL, 1913' FEL	Vernal	
Monument Federal #32-18-9-16Y	Monument Butte	SW NE	18	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31778	2048' FNL, 1769' FEL	Vernal	
Monument Federal #32-20-9-18Y	8 Mile Flat	SW NE	20	9S	18E	Uintah	UT	PND	Green River	UTU-74390	4301331805	1996' FNL, 1910' FEL	Vernal	
Monument Federal #33-5-9-17	Monument Butte	NW SE	5	9S	17E	Duchesne	UT	APRVD	Green River	U-64917	43-047-32725	1980' FNL, 1980' FEL	Vernal	
Monument Federal #33-7-9-16Y	Monument Butte	NW SE	7	9S	16E	Duchesne	UT	PND	Green River	UTU-74808	4301331819	1754' FSL, 2031' FEL	Vernal	
Monument Federal #33-31-8-16Y	Monument Butte	NE SE	31	8S	16E	Duchesne	UT	APRVD	Green River	UTU-74390	43-013-31773	2131' FSL, 1910' FEL	Vernal	
Monument Federal #34-6-9-16Y	Monument Butte	SW SE	34	9S	16E	Duchesne	UT	APRVD	Green River	UTU-74389	43-013-31772	1957' FSL, 1810' FEL	Vernal	
Monument Federal #34-7-9-16Y	Monument Butte	SW SE	7	9S	16E	Duchesne	UT	PND	Green River	UTU-74390	4301331774	660' FSL, 1980' FEL	Vernal	
Monument Federal #34-31-8-18Y	Monument Butte	SWSE	34	8S	18E	Uintah	UT	PND	Green River	UTU-74390	4301331803	701' FSL, 2075' FEL	Vernal	
Monument Federal #41-22-8-17	Monument Butte	NE NE	22	8S	17E	Duchesne	UT	APRVD	Green River	UTU-74404	4304732845	636' FSL, 2160' FEL	Vernal	
Monument Federal #41-25-8-17	Monument Butte	NE NE	25	8S	17E	Duchesne	UT	APRVD	Green River	UTU-76240	43-013-31827	703' FNL, 759' FEL	Vernal (Private sfc.)	
Monument Federal #41-35-9-18Y	Monument Butte	NE NE	35	9S	18E	Uintah	UT	APRVD	Green River	U-67845	43-047-32766	800' FNL, 860' FEL	Vernal	Humpback
Monument Federal #42-22-8-17	Monument Butte	SE NE	22	8S	17E	Duchesne	UT	APRVD	Green River	U-68618	43-047-32727	500' FNL, 660' FEL	Vernal	
Monument Federal #42-25-8-17	Monument Butte	NE NE	25	8S	17E	Uintah	UT	APRVD	Green River	UTU-76240	43-013-31826	1930' FNL, 803' FEL	Vernal (Private sfc.)	
Monument Federal #43-22-8-17	Monument Butte	NE SE	22	8S	17E	Duchesne	UT	APRVD	Green River	U-67845	43-047-32767	1930' FNL, 803' FEL	Vernal	
Monument Federal #43-31-8-16Y	Monument Butte	NE SE	31	8S	16E	Duchesne	UT	APRVD	Green River	UTU-67845	43-013-31813	2174' FSL, 557' FEL	Vernal	
Monument Federal #43-31-8-18Y	Monument Butte	NE SE	31	8S	16E	Duchesne	UT	APRVD	Green River	UTU-74389	43-013-31815	1980' FSL, 660' FEL	Vernal	
Monument Federal #43-25-8-17	Monument Butte	NE SE	25	8S	17E	Uintah	UT	PND	Green River	UTU-74404	4304732844	1764' FSL, 623' FEL	Vernal	
Monument Federal #44-7-9-16Y	Monument Butte	SE SE	7	9S	16E	Duchesne	UT	APRVD	Green River	U-67845	43-047-32768	1973' FSL, 719' FEL	Vernal	
Monument Federal #44-31-8-18Y	Monument Butte	SE SE	31	8S	18E	Uintah	UT	PND	Green River	UTU-74390	4301331804	660' FSL, 660' FEL	Vernal	Beluga
Monument State #41-2-9-17CD	Monument Butte	NE NE	2	9S	17E	Uintah	UT	PND	Green River	U-65969	4304732728	915' FSL, 759' FEL	Vernal	
Monument State #42-2-9-17CD	Monument Butte	SE NE	2	9S	17E	Uintah	UT	APRVD	Green River	State #ML-45555	43-047-32843	662' FNL, 660' FEL	Vernal	Castle Draw
									Green River	State #ML-45555	42-047-32842	1985' FNL, 660' FEL		Castle Draw



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc

From: Margie Herrmann <mherrman@ut.blm.gov>  
To: NRDOMAIN.NROGM(DSTALEY)  
Date: 10/22/97 5:27pm  
Subject: Old APDs - Reply

Don,  
Here is the information you asked for. Had to check on some information first.

~~Barrett Resources  
Ford 2-13C7 (re-entry)  
API 43-013-31082  
13-3S-7W~~

~~Approved (DOGM) 7/29/96~~

~~This was the original API # for the well drilled in 1985, SRA 1/92. Re-entry for Barrett was approved 4/18/97 on the 2X-13C7, and spud in May 1997.~~

Equitable Resources  
Monument Federal 14-25-8-17  
API 43-047-32765  
25-08S-17E

Approved (DOGM) 8/29/96

This was approved by BLM 9/3/96. Inland is in the process of becoming the operator for this well and has asked for an extension.

Equitable Resources  
Monument Federal 41-25-8-17  
API 43-047-32766  
25-08S-17E

Approved (DOGM) 8/29/96

This was approved by BLM 9/5/96. Inland is in the process of becoming the operator for this well and has asked for an extension.

Equitable Resources  
Monument Federal 43-25-8-17  
API 43-047-32768  
25-08S-17E

Approved (DOGM) 9/3/96

This was approved by BLM 9/4/96. Inland is in the process of becoming the operator for this well and has asked for an extension.

Inland Production  
Ashley Federal 9-23  
API 43-013-31672  
23-9S-15E

Approved (DOGM) 7/25/96

This was approved 2/24/97 according to our records, so is still an authorized APD.

Petroglyph Operating  
Ute Tribal 29-11  
API 43-013-31714  
29-5S-3W

Approved (DOGM) 10/3/96

We will be sending an expiration letter on this one soon. I want to make sure we haven't received anything on it yet. At this time we are changing systems in the office so sundrys are way behind.

Margie

**From:** Margie Herrmann <mherrman@ut.blm.gov>  
**To:** NRDOMAIN.NROGM (DSTALEY)  
**Date:** 11/10/97 10:32am  
**Subject:** APD EXTENSIONS - Reply

Hi Don,

Can tell me at this point, if these will be extended or not by the BLM.

Monument Federal 43-25-8-17  
API 43-047-32768  
25-8S-17E

Monument Federal 14-25-8-17  
API 43-047-32765  
25-8S-17E

Monument Federal 41-25-8-17  
API 43-047-32766  
25-8S-17E

Yes, these 3 will be extended.

Keep checking,  
Margie

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

[X] Oil Well [ ] Gas well [ ] Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 790233 Vernal, UT 84079 Phone No. (801) 789-1866

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

NE/NE 800' FNL & 860' FEL Sec. 25, T8S, R17E

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5. Lease Designation and Serial No.

UTU-74870

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

Mon Fed 41-25-8-17

9. API Well No.

43-047-32766

10. Field and Pool, or Exploratory Area

Monumet Butte

11. County or Parish, State

Uintah, UT

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

TYPE OF SUBMISSION

TYPE OF ACTION

[X] Notice of Intent

[ ] Subsequent Report

[ ] Final Abandonment Notice

[ ] Abandonment

[ ] Recompletion

[ ] Plugging Back

[ ] Casing repair

[ ] Altering Casing

[ ] Other APD Extention

[ ] Change of Plans

[ ] New Construction

[ ] Non-Routine Fracturing

[ ] Water Shut-off

[ ] Conversion to Injection

[ ] Dispose Water

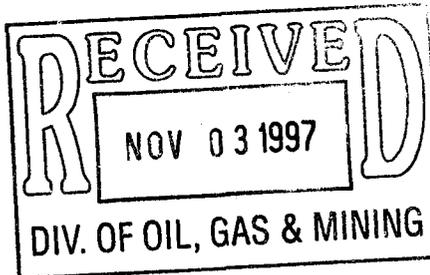
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Inland Production Company requests that a one year APD extension be granted to the above referenced location.

per Margie Herrmann - BLM Vernal - APD will be extended by BLM, DOGM extension to 8/29/98.

DTS 11/10/97



CONFIDENTIAL

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

Signed

Cheryl Cameron

Title

Regulatory Compliance Specialist Date 9/1/97

(This space of 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 to make to any department of the United States any false, fictitious or fraudulent statements or representations as

to any matter within its jurisdiction.

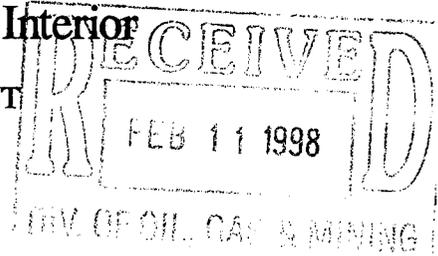
\*See Instruction on Reverse Side



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
UT-931

February 10, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Humpback (Green River) Unit  
Uintah County, Utah

Gentlemen:

On February 10, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Humpback (Green River) Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 10, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Humpback (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Humpback (Green River) Unit.

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Humpback (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron/Fluid Chron

U-931:TAThompson:tt:2/10/98

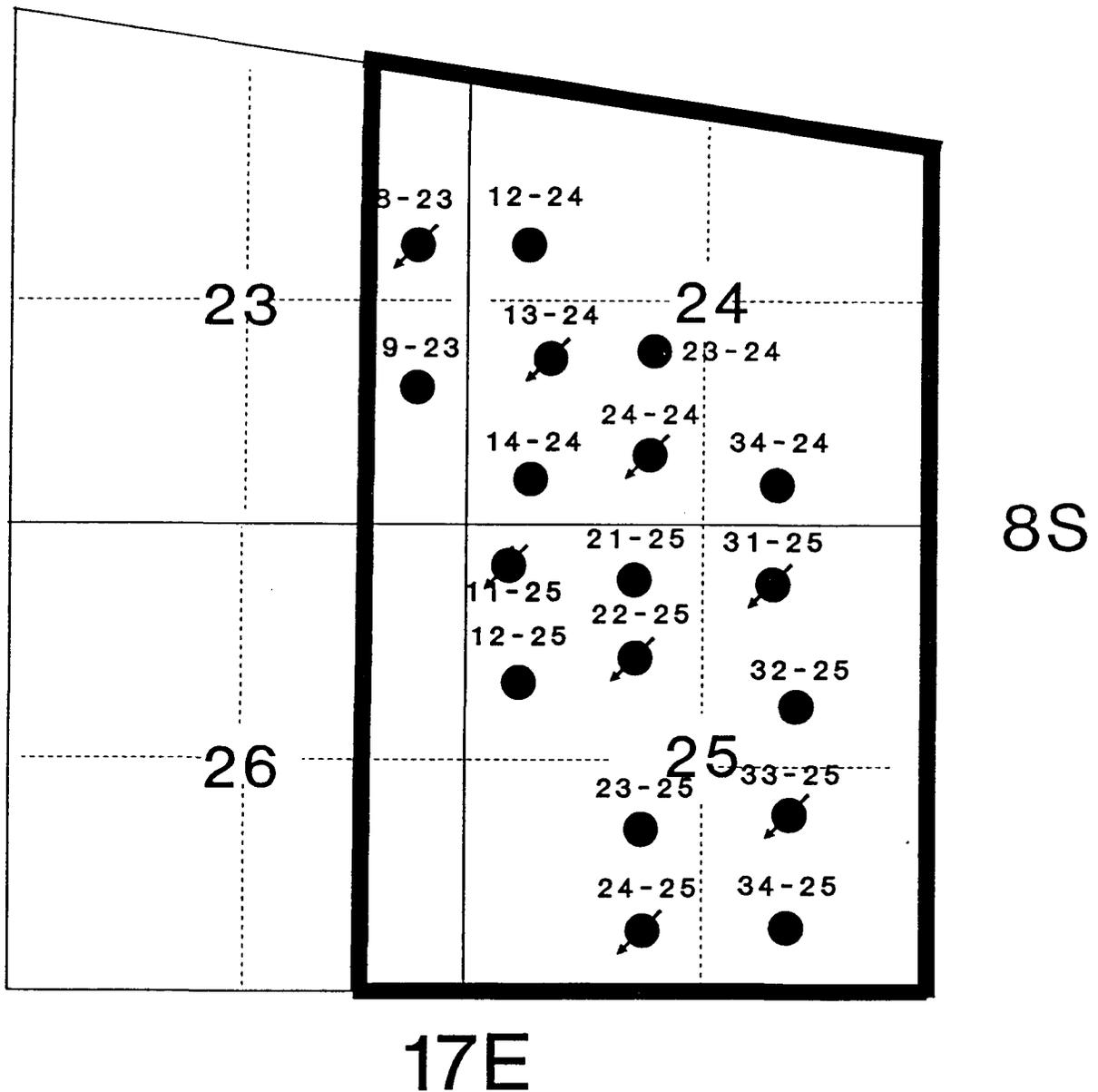
Well Status Report  
Utah State Office  
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU76189X								
UTU67845	4304732455	11-25	NWNW	25	T	8S	R17E OSI	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732713	12-24	SWNW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732526	12-25	SWNW	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732645	14-24	SWSW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732528	21-25	NENW	25	T	8S	R17E OSI	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732008	22-25 FEDERAL	SENW	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732529	23-25	NESW	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732646	24-24	SESW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732669	24-25	SESW	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732530	31-25 FEDERAL	NWNE	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732524	32-25 MONUMENT BUTTE	SWNE	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732525	33-25	NWSE	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732506	34-24	SWSE	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732670	34-25	SWSE	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304731543	9-23 PARIETTE DRAW	NESE	23	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732676	PARIETTE DRAW 8-23	SENE	23	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732546	PARIETTE FED 13-24	NWSW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732710	PARIETTE FED 23-24	NESW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO

# HUMPBACK (GREEN RIVER) UNIT

## Uintah County, Utah

EFFECTIVE: JANUARY 1, 1997



— UNIT OUTLINE (UTU76189X)

1,468.47 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

**OPERATOR CHANGE WORKSHEET**

Routing	
1-LEC ✓	6-FILE ✓
2-GLH ✓	7-KAS ✓
3-DTS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION COMPANY</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SVS'S</u>
	Phone: <u>(435) 722-5103</u>		Phone: <u>(406) 628-4164</u>
	Account no. <u>N5160</u>		Account no. <u>N9890</u>

**WELL(S)** attach additional page if needed: **HUMPBACK (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-047-32766</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- LEC 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 12-10-97)*
- LEC 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 10-13-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- LEC 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- LEC 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(2-13-98)*
- LEC 6. **Cardex** file has been updated for each well listed above. *(2-18-98)*
- LEC 7. Well **file labels** have been updated for each well listed above. *(2-18-98)*
- LEC 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(2-13-98)*
- LEC 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- See* 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.  
*12053 previously assigned "Humpback (GP) Unit".*
- N/A* 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A/See* 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
2. A **copy of this form** has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

**FILMING**

- See* 1. All attachments to this form have been **microfilmed**. Today's date: 1.4.99.

**FILING**

1. **Copies** of all attachments to this form have been filed in each **well file**.
2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

**COMMENTS**

980211 BLM/SL Aprv. eff. 2-10-98.

Equitable

Record#	API_NUMBER	well_name	DATEAPPRVD	SPUD_DATE
64381 2469	43-013-31534	BALCRON MON FED	11-10-9-17Y	/ / / /
65210 2619	43-013-31591	MONUMENT FEDERAL	31-10-9-17Y	/ / / /
2776	<del>43-013-31648</del>	MONUMENT FEDERAL	14-22-8-17	05/30/96 / /
2844	<del>43-013-31679</del>	MONUMENT FEDERAL	12-11-9-17Y	07/16/96 / /
2936	<del>43-013-31719</del>	MONUMENT FEDERAL	22-6-9-16Y	11/14/96 / /
2944	43-013-31727	MONUMENT FEDERAL	21-22-9-16Y	01/28/97 / /
3050	<del>43-013-31772</del>	MONUMENT FEDERAL	33-31-8-16Y	02/04/97 / /
3049	<del>43-013-31773</del>	MONUMENT FEDERAL	33-7-9-16Y	02/04/97 / /
3048	43-013-31774	MONUMENT FEDERAL	34-6-9-16Y	/ / / /
3051	<del>43-013-31775</del>	MONUMENT FEDERAL	24-7-9-16Y	02/04/97 / /
3052	<del>43-013-31776</del>	MONUMENT FEDERAL	22-7-9-16Y	02/04/97 / /
3053	<del>43-013-31777</del>	MONUMENT FEDERAL	12-7-9-16Y	02/04/97 / /
3054	<del>43-013-31778</del>	MONUMENT FEDERAL	32-7-9-16Y	02/04/97 / /
3055	<del>43-013-31779</del>	MONUMENT FEDERAL	11-17-9-16Y	07/22/97 / /
3056	<del>43-013-31780</del>	MONUMENT FEDERAL	24-31-8-16	03/03/97 / /
u74890 3100	43-013-31803	MONUMENT FEDERAL	34-7-9-16Y	/ / / /
3099	43-013-31804	MONUMENT FEDERAL	44-7-9-16Y	/ / / /
3098	43-013-31805	MONUMENT FEDERAL	32-18-9-16Y	/ / / /
3121	<del>43-013-31810</del>	MONUMENT FEDERAL	23-31-8-16Y	07/22/97 / /
3122	43-013-31811	MONUMENT BUTTE FED	24-6-9-16Y	/ / / /
3123	<del>43-013-31812</del>	MONUMENT FEDERAL	23-6-9-16Y	03/01/97 / /
3124	<del>43-013-31813</del>	MONUMENT FEDERAL	43-22-8-17	02/24/97 / /
3136	43-013-31815	MONUMENT FEDERAL	43-31-8-16Y	/ / / /
3135	<del>43-013-31816</del>	MONUMENT FEDERAL	21-6-9-16Y	03/04/97 10/16/97
3134	43-013-31817	MONUMENT BUTTE	21-18-9-16Y	/ / / /
3133	43-013-31818	MONUMENT BUTTE	32-5-9-17	/ / / /
3132	43-013-31819	MONUMENT FEDERAL	33-5-9-17	/ / / /
3148	<del>43-013-31826</del>	MONUMENT FEDERAL	42-22-8-17	04/01/97 / /
3147	<del>43-013-31827</del>	MONUMENT FEDERAL	41-22-8-17	04/01/97 / /
2900	43-027-30039	MAMBA FEDERAL	43-22	10/24/96 / /
2270	43-047-32613	BALCRON MONUMENT STATE	23-2	12/19/94 02/25/95
2622	<del>43-047-32725</del>	MONUMENT FEDERAL	32-20-9-18Y	02/06/96 / /
2632	<del>43-047-32727</del>	MONUMENT FEDERAL	41-35-9-18Y	04/15/96 / /
2633	43-047-32728	MONUMENT FEDERAL	44-31-8-18Y	/ / / /
u74870 2854	43-047-32765	MONUMENT FEDERAL	14-25-8-17	08/29/96 / /
" 2855	43-047-32766	MONUMENT FEDERAL	41-25-8-17	08/29/96 / /
" 2856	43-047-32767	MONUMENT FEDERAL	42-25-8-17	01/16/97 / /
" 2857	43-047-32768	MONUMENT FEDERAL	43-25-8-17	09/03/96 / /
2858	43-047-32769	MONUMENT FEDERAL	44-25-8-17	/ / / /
3126	<del>43-047-32842</del>	MONUMENT STATE	42-2-9-17CD	03/18/97 12-18-97 / /
3127	<del>43-047-32843</del>	MONUMENT STATE	41-2-9-17CD	03/18/97 apr. / /
3131	43-047-32844	MONUMENT FEDERAL	43-31-8-18Y	/ / / /
3146	43-047-32845	MONUMENT FEDERAL	34-31-8-18Y	/ / / /

→ (8S 17E Sec. 25)

Also shows APDs Not yet Approved

10/2/98



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

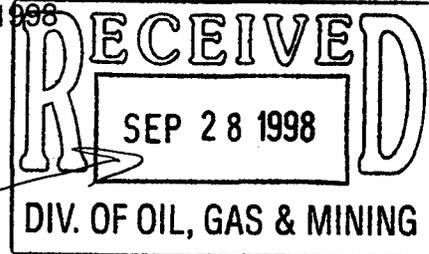
3160

UT08300

Inland Production Company  
Attn: Cheryl Cameron  
P O Box 790233  
Vernal UT 84079

September 23, 1998

DOG M  
'LA'  
DATE



Re: Notification of Expiration  
Well No. Monument Fed. 41-25-8-17  
NENE, Section 25, T8S, R17E  
Lease No. U-74870  
Uintah County, Utah

43-047-32766

Dear Cheryl:

The Application for Permit to Drill the above-referenced well was approved on September 4, 1996. Inland Production Company requested an extension of the original APD approval for an additional year. The request was reviewed and the extension approved until September 4, 1998. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Margie Herrmann  
Legal Instruments Examiner

cc: State Div. OG&M