

**CONFIDENTIAL**  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse)

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

**CONFIDENTIAL** LEASE DESIGNATION AND SERIAL NO.  
UTU-74390

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 SE SE Section 6, T9S, R16E 816' FSL, 725' FEL  
At proposed prod. zone 248 221

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
From Myton, Utah approximately 10 miles SW

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
5,950'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)  
GL 5861.6'

22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

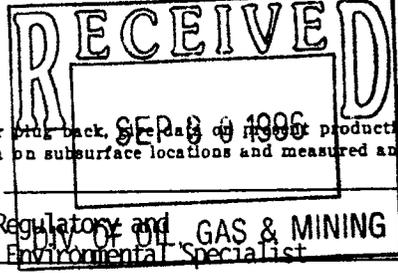
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See Drilling Program/Casing Design				

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

**CONFIDENTIAL**

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 of the terms and conditions of that portion of the lease associated with this application.

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



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 Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE September 25, 1996

(This space for Federal or State office use)

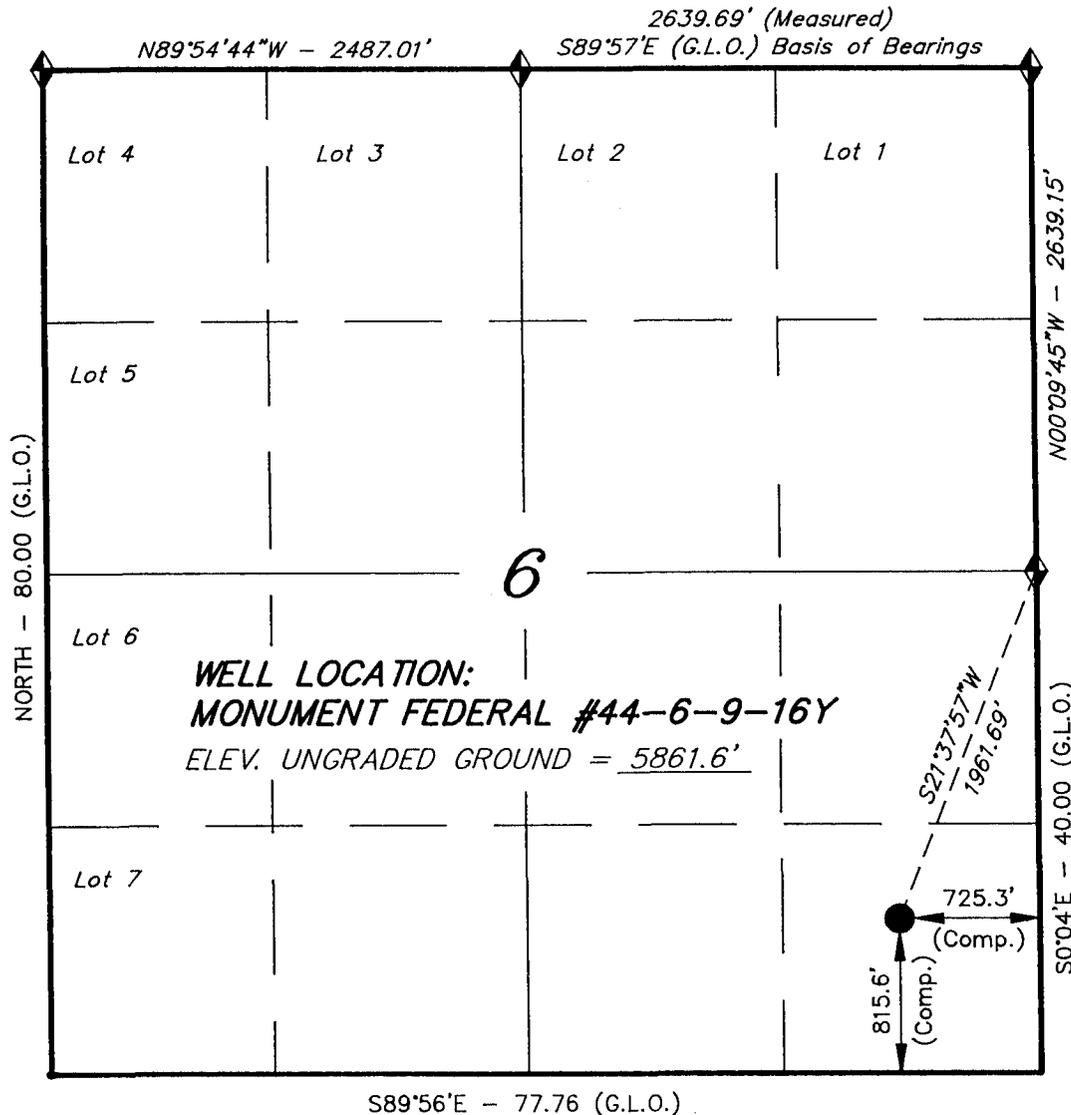
PERMIT NO. 43-013-31720 APPROVAL DATE

APPROVED BY [Signature] TITLE Stalheim Engman DATE 11/14/96  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

# T9S, R16E, S.L.B.&M.

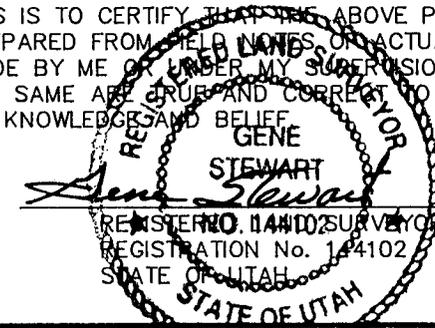
## EQUITABLE RESOURCES ENERGY CO.



WELL LOCATION, MONUMENT FEDERAL #44-6-9-16Y, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 6, T9S, R16E, S.L.B.&M. DUCHESNE 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.



◆ = SECTION CORNERS LOCATED

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

### TRI STATE LAND SURVEYING & CONSULTING

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

SCALE: 1" = 1000'	SURVEYED BY: G.S. D.S.
DATE: 8-30-96	WEATHER: WARM
NOTES:	FILE #

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**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
- M GAS GATHERING PIPELINE ROW APPLICATION

9/25/96

**PROPOSED DRILLING PROGRAM**

EQUITABLE RESOURCES ENERGY COMPANY  
Western Region  
Monument Federal #44-6-9-16Y  
SE SE Section 6, T9S, R16E  
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.

B

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY  
MONUMENT FEDERAL #44-6-9-16Y  
SE SE SECTION 6, T9S, R16E  
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. 150' & 200' North and 175' & 225' west.
- B. The Monument Federal #44-6-9-16Y is located 10 miles Southwest of Myton Utah in the SE1/4 SE1/4 Section 6, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 44-6-9-16Y, 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 1.7 miles to a road intersection, turn right and continue 9.5 miles to a road intersection. Turn right and proceed 0.5 mile to the proposed access road sign. 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 South side of location. Access will be from the West near corner #6.
- 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 reseeded, 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.

**13. Lessee's or Operator's Representative:**

Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406)259-7860  
FAX: (406)245-1361

Dave McCoskery,

Home (406)248-3864

Dale Griffin,

Home (303)824-3323

**14. certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

September 27, 1996  
Date

Bobbie Schuman  
Bobbie Schuman  
Coordinator of Environmental  
and Regulatory Affairs  
Equitable Resources Energy Co.



# Well Prognosis

<b>Well Name</b> Monument Fed. #44-6-9-16Y				<b>Control Well</b>			
<b>Location</b> SE/SE Sec. 6-T9S-R16E (816 fsl, 725 fel)				<b>Operator</b> EREC			
<b>County/State</b> Duchesne County, Utah				<b>Well Name</b> Mon. Fed. #43-6-9-16Y			
<b>Field</b> Mon. Butte		<b>Well Type</b> Dev.		<b>Location</b> NE/SE Sec. 6-T9S-R16E			
<b>GL (Ung)</b>	5861.6	<b>EST. KB</b>	5872	<b>Total Depth</b>	5950		
				<b>KB</b> 5897			

Formation	Prognosis		Sample Top		Control Well	High/Low		
	Depth	Datum	Depth	Datum	Datum	Prog	Control	Deviation
UINTA	surface							
GREEN RIVER	1622	4250			4210			
HORSEBENCH SS	2312	3560			3520			
2ND GARDEN GULCH	4126	1746			1706			
Y-1 (PAY)	4275	1597			1557			
Y-2 (PAY)	4306	1566			1526			
Y-3 (PAY)	4379	1493			1453			
Y-4 (PAY)	4486	1386			1346			
Y-5 (PAY)	4572	1300			1260			
YELLOW MARKER	4650	1222			1182			
DOUGLAS CREEK	4797	1075			1035			
R-1 (PAY)	4816	1056			1016(est)			
R-5 (PAY)	4978	894			854			
2ND DOUGLAS CREEK	5030	842			802			
GREEN MARKER	5156	716			676			
G-5 (PAY)	5296	576			536			
G-6 (PAY)	5425	447			407			
CARBONATE MARKER	5713	159			119			
B-1 (PAY)	5787	85			45			
TD	5950							

**Samples**  
 50' FROM 1600' TO 4200'  
 20' FROM 4200' TO TD  
 5' THROUGH EXPECTED PAY  
 5' THROUGH DRILLING BREAKS

**DST,s**  
 DST #1 NONE  
 DST #2  
 DST #3  
 DST #4

**Wellsite Geologist**  
 Name: \_\_\_\_\_  
 From: \_\_\_\_\_ To: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone # \_\_\_\_\_ wk.  
 \_\_\_\_\_ hm.  
 Fax # \_\_\_\_\_

**Logs**  
 DLL FROM SURF CSNG TO TD  
 LDT/CNL FROM 4100' TO TD  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Cores**  
 Core #1 \_\_\_\_\_  
 Core #2 \_\_\_\_\_  
 Core #3 \_\_\_\_\_  
 Core #4 \_\_\_\_\_

**Mud Logger**  
 Company: \_\_\_\_\_  
 From: 1600' To: TD  
 Type: 2-MAN  
 Logger: \_\_\_\_\_  
 Phone # \_\_\_\_\_  
 Fax # \_\_\_\_\_

**Comments:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Report To:** 1st Name: DAVE BICKERSTAFF Phone # (406)259-7860 wk. (406)245-2261 hm.  
 2nd Name: KEVEN REINSCHMIDT Phone # (406)259-7860 wk. (406)248-7026 hm.  
**Prepared By:** BICKERSTAFF 9/5/96 Phone # \_\_\_\_\_ wk. \_\_\_\_\_ hm.



**EQUITABLE RESOURCES  
ENERGY COMPANY  
WESTERN REGION**

D

**DRILLING PROGRAM**

WELL NAME: Monument Federal #44-6-9-16Y      DATE: 9-26-96  
 PROSPECT/FIELD: Monument Butte  
 LOCATION: SE/SE Section 6 Twn. 9S Rge. 16E  
 COUNTY: Duchesne  
 STATE: Utah

TOTAL DEPTH: 5950'

HOLE SIZE      INTERVAL

12 1/4"      Surface to 260'  
 7 7/8"      260' to 5950'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	5950'	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      205 sacks 28:72 Poz. (28% POZ: 72% Class "C") with 10% Gel, 6.0 lbs/sk KOL SEAL & 1/4 pps Cello Flake. (Wt.=11.09 ppg, Yd=3.30 Cu.Ft/Sk Comp. Strght @ 72 Hrs=575) Tailed with 400 sacks 50:50 POZ (50% POZ: 50% Class "G") with 2% Gel, 0.3% FL-52, 1/4 pps Cello Flakes & 2.0 pps KOL SEAL. (Wt.=14.30 ppg, Yd=1.25 Ft.Cu./Sk, Comp Strght @ 75 Hrs=2700)  
 (Actual cement volumes to 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

D

Operator: EREC	Well Name: MF 44-6-9-16Y
Project ID:	Location: Duchesne / Utah

Design Parameters:

Mud weight ( 8.70 ppg) : 0.452 psi/ft  
 Shut in surface pressure : 2094 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	5,950	5-1/2"	15.50	K-55	ST&C	5,950	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	2689	4040	1.502	2689	4810	1.79	92.23 222 2.41 J

Prepared by : *McCoskery, Billings, Montana*  
 Date : 09-26-1996  
 Remarks :

Design is for a Production string.  
 Minimum segment length for the 5,950 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.452 psi/ft and 2,689 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)

EXHIBIT "E"

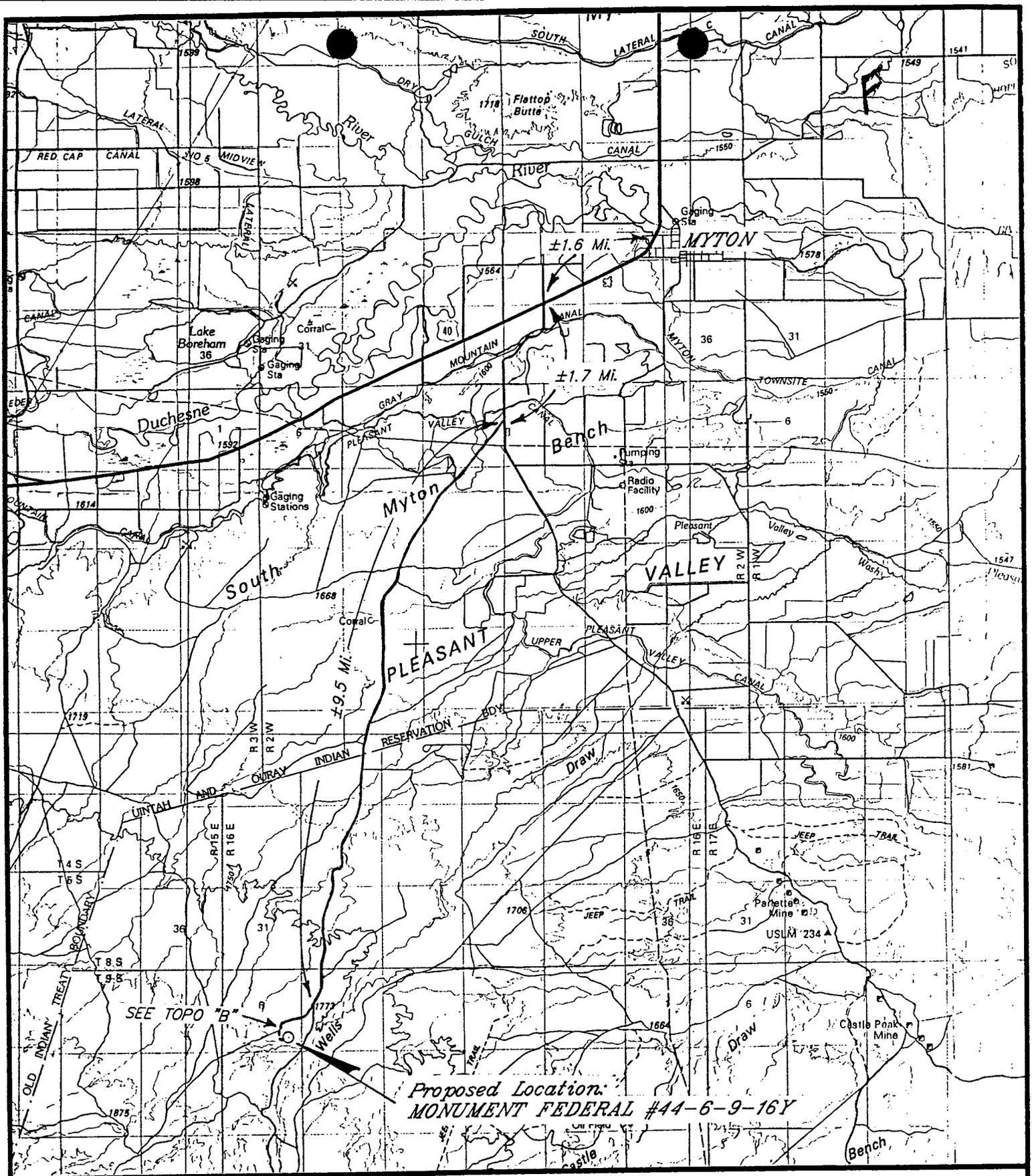
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

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 which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

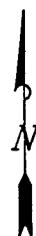
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

3/28/95  
/rs

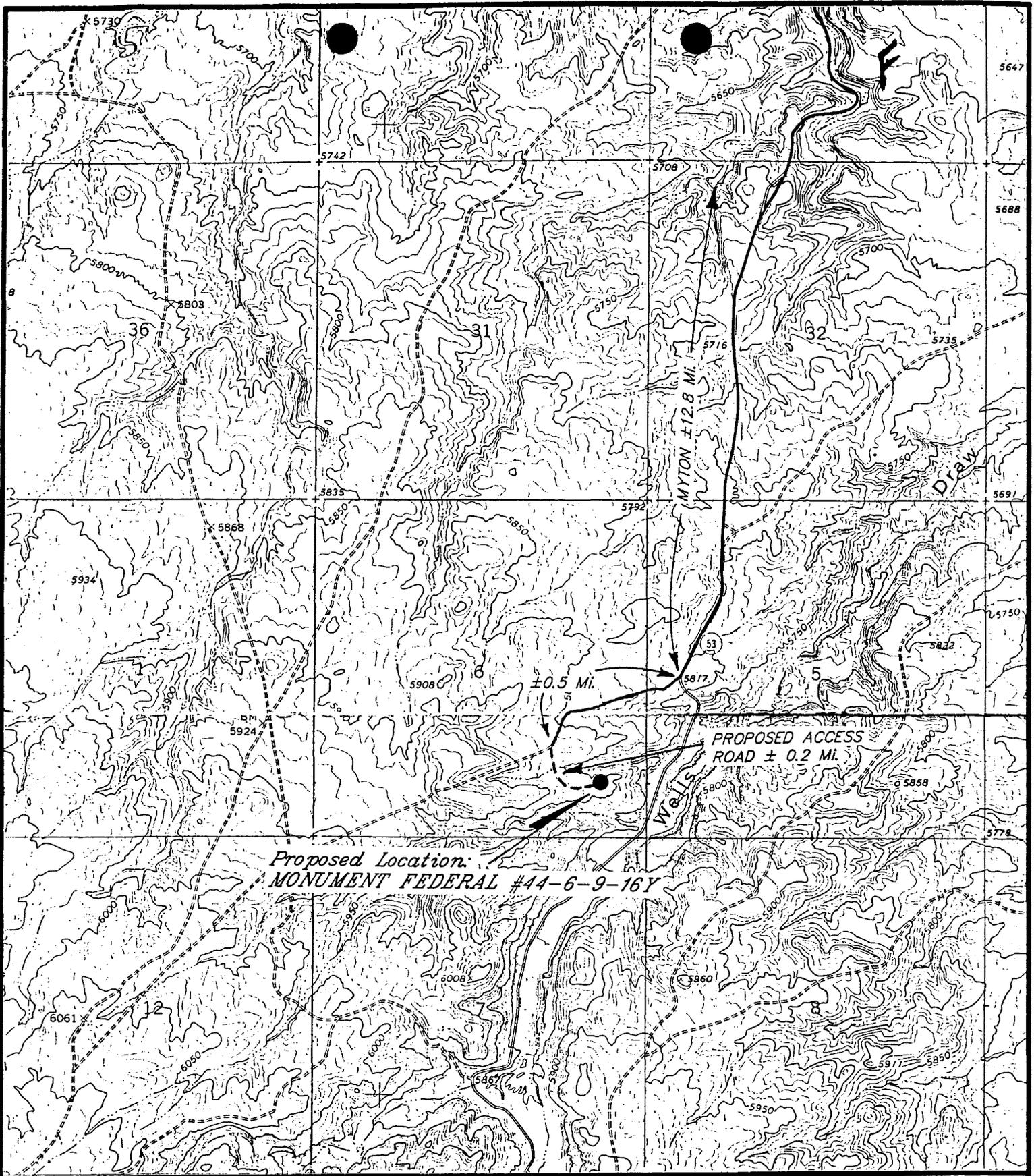


**EQUITABLE RESOURCES CO.**

MONUMENT FEDERAL #44-6-9-16Y  
 SEC. 6, T9S, R16E, S.L.B.&M.  
 TOPO "A"



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



**EQUITABLE RESOURCES CO.**

MONUMENT FEDERAL #44-6-9-16Y  
 SEC. 6, T9S, R16E, S.L.B.&M.  
 TOPO "B"

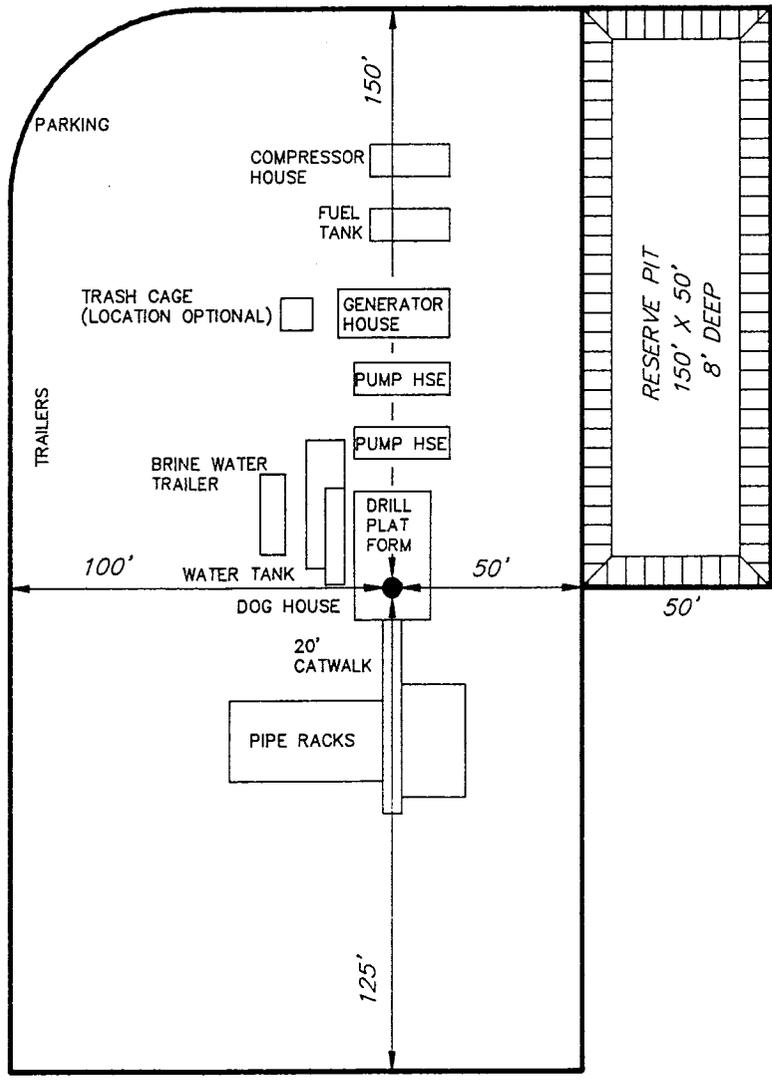


SCALE: 1" = 2000'

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

G

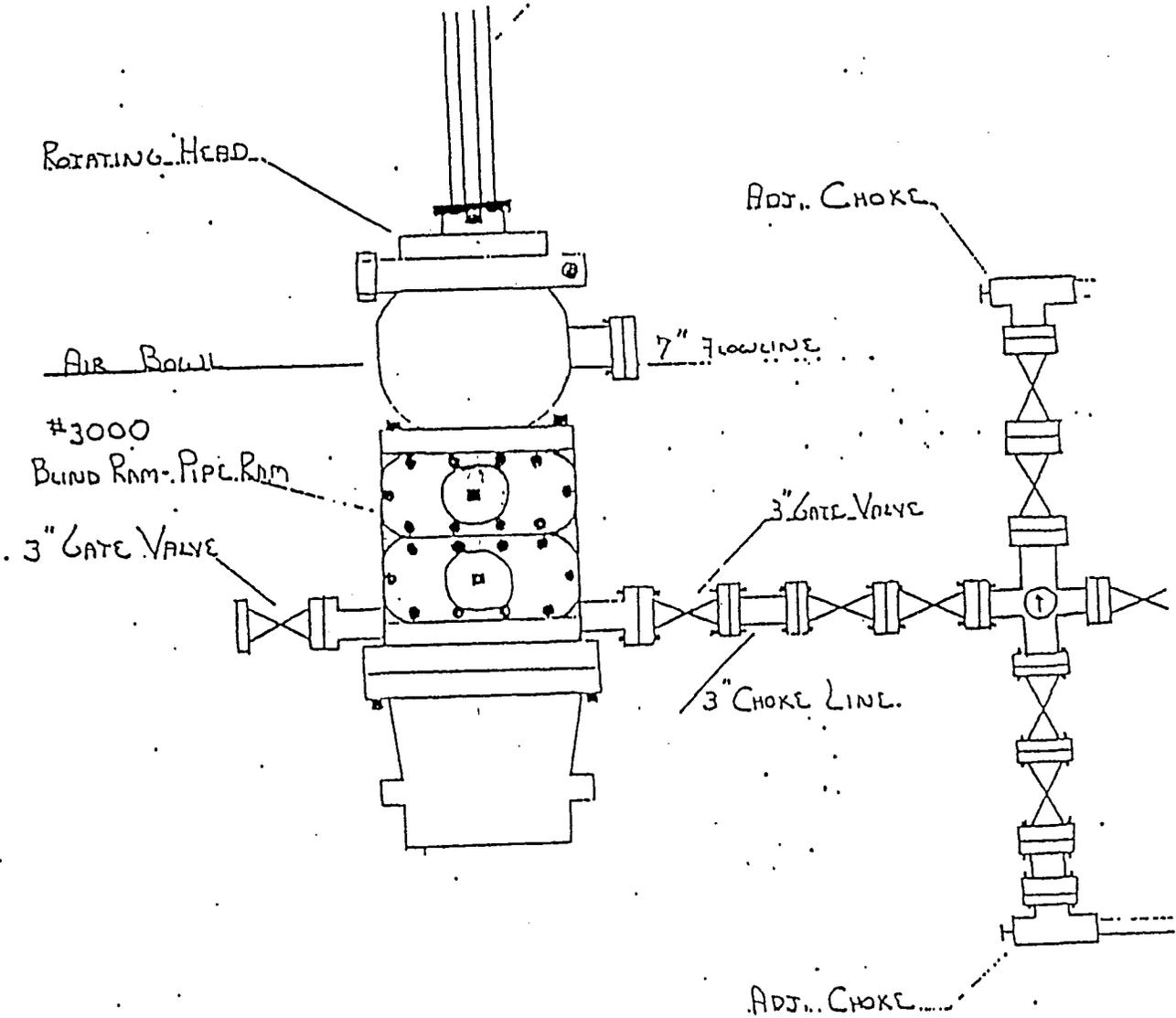
TYPICAL RIG LAYOUT  
MONUMENT FEDERAL #44-6-9-16Y



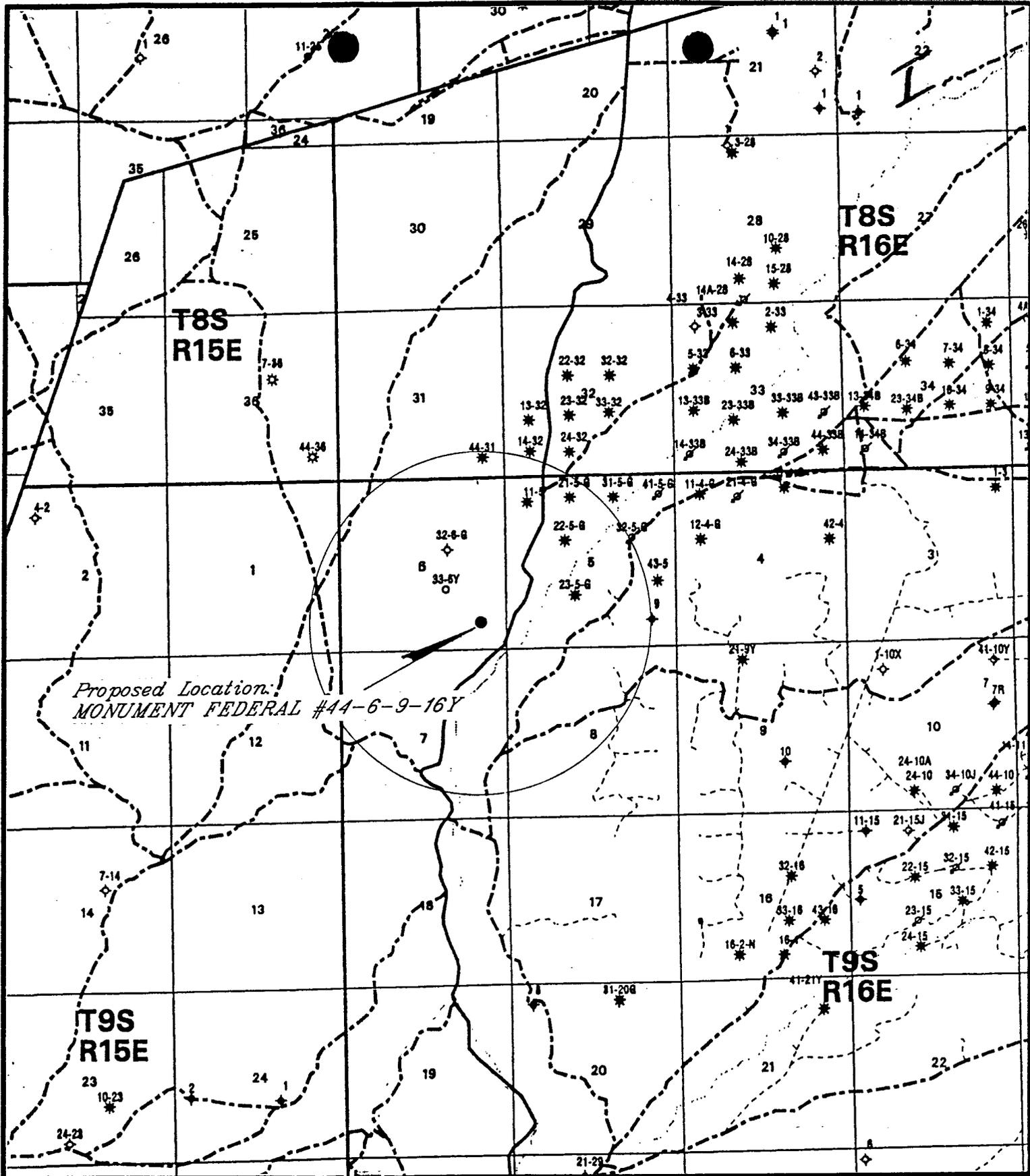
**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH, VERNAL, UTAH 84078

UNION DRILLING RIG #17

Hex Kelly -



#3000 Stack



*Proposed Location:  
MONUMENT FEDERAL #44-6-9-16Y*

***EQUITABLE RESOURCES CO.***

*MONUMENT FEDERAL #44-6-9-16Y  
SEC. 6, T9S, R16E, S.L.B.&M.  
TOPO "C"*



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

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

DIKE

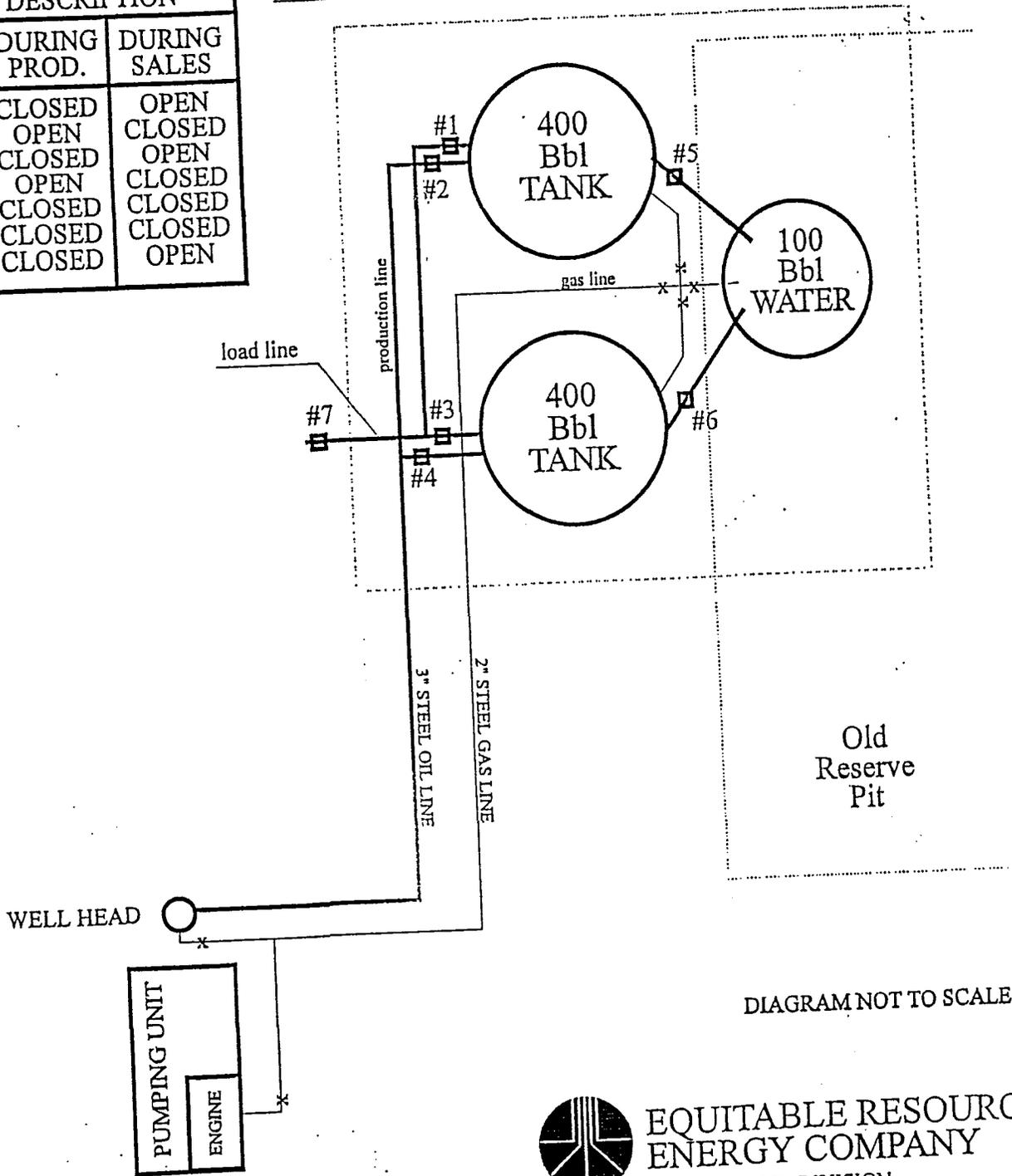


DIAGRAM NOT TO SCALE



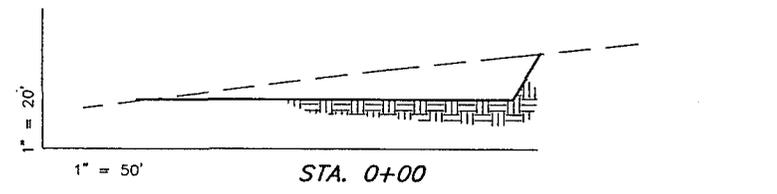
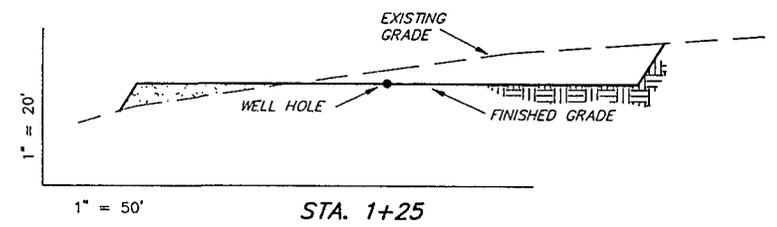
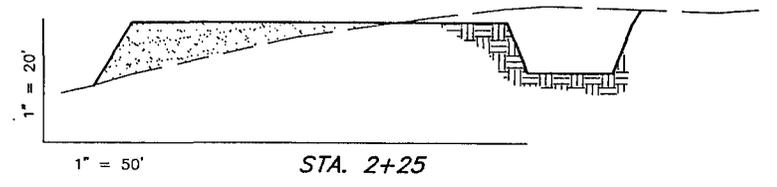
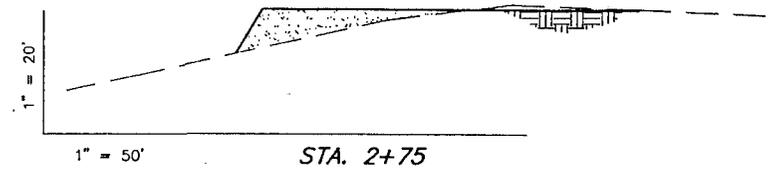
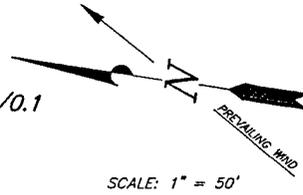
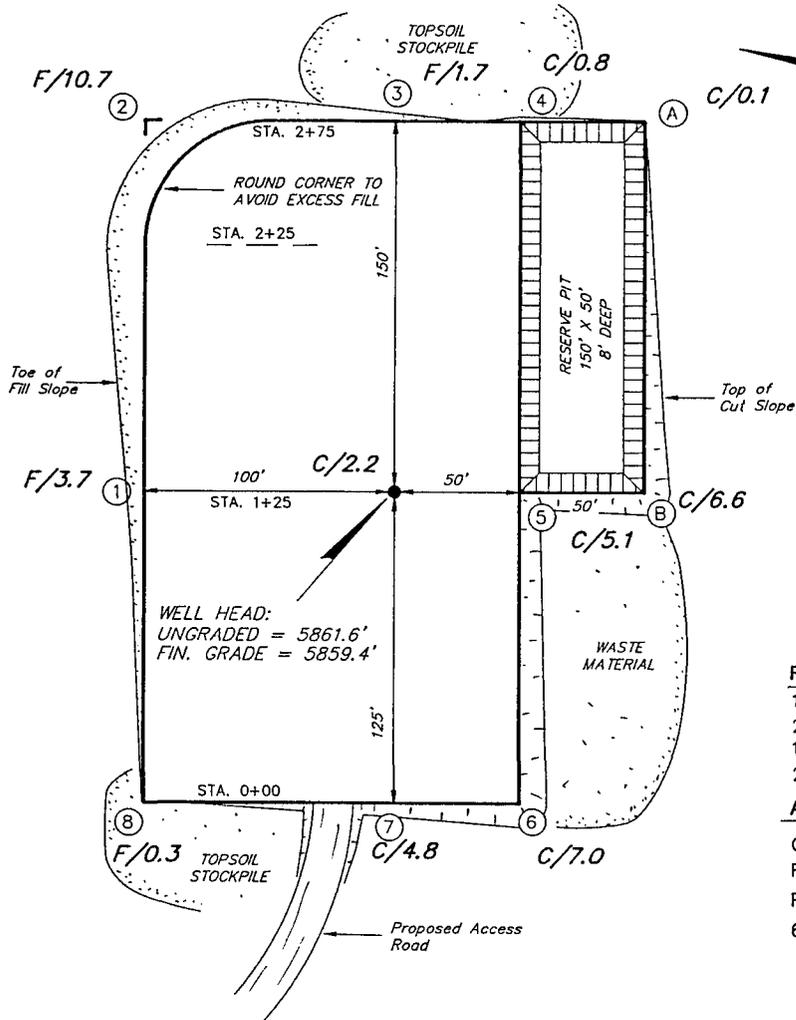
EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
Billings, MT 59104-2  
(406) 259-7860

# EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #44-6-9-16Y  
SEC. 6, T9S, R16E, S.L.B.&M.



### REFERENCE POINTS

- 150' NORTH = 5849.7'
- 200' NORTH = 5845.3'
- 175' WEST = 5865.4'
- 225' WEST = 5867.8'

### APPROXIMATE YARDAGES

- CUT = 2,770 Cu. Yds.
- FILL = 2,770 Cu. Yds.
- PIT = 1,770 Cu. Yds.
- 6" TOPSOIL = 910 Cu. Yds.

SURVEYED BY: G.S. D.S.
DRAWN BY: J.R.S.
DATE: 8-30-96
SCALE: 1" = 50'
FILE:

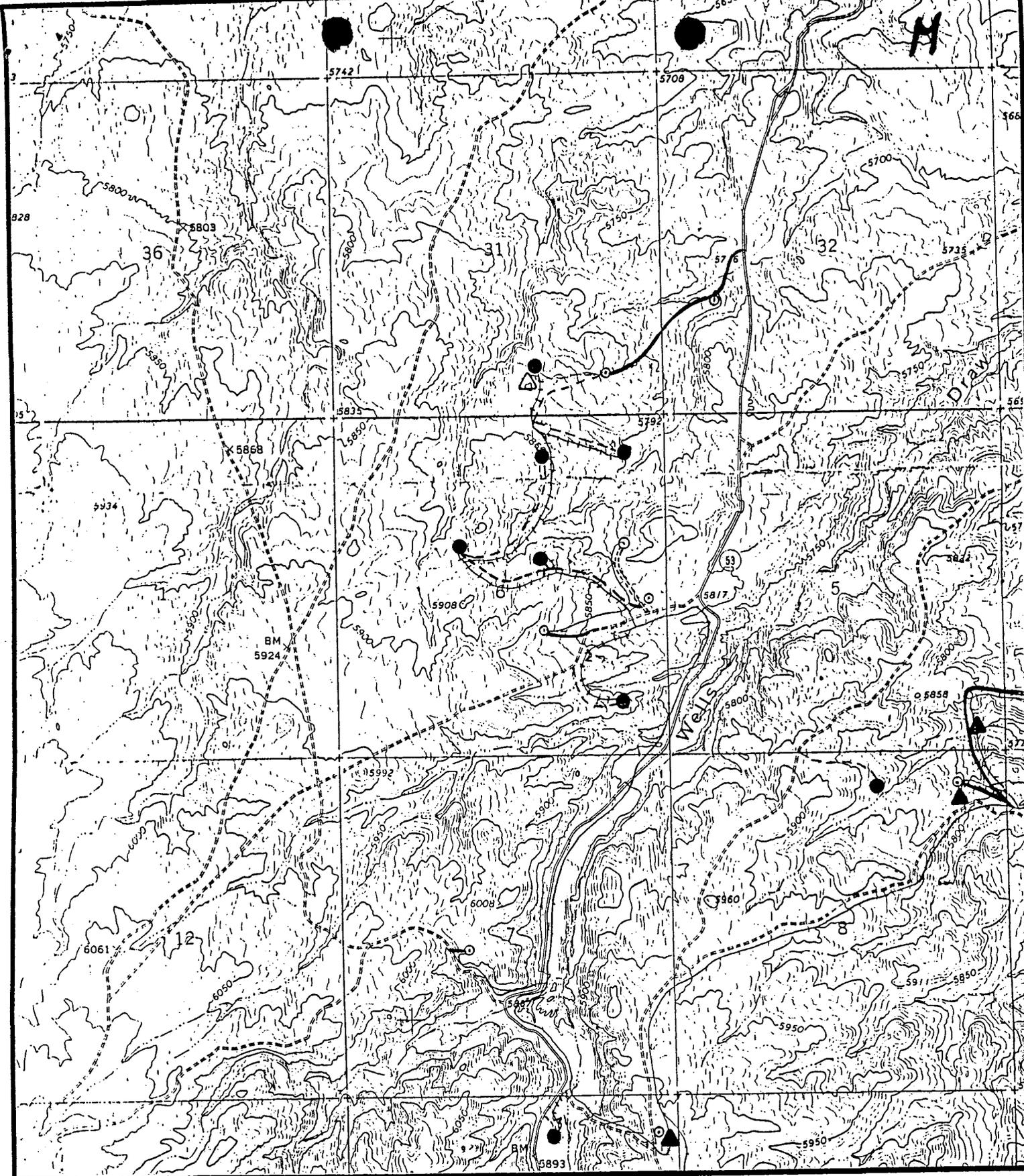
**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

APPLICATION FOR PIPELINE RIGHT-OF-WAY

Please consider this Application for Permit to Drill also as an application for the pipeline (gas gathering system) Right-of-way for this prospective well. See Map EXHIBIT "M" for the pipeline route. This will be a 2" surface line.

Please advise of the costs associated with this Right-of-Way and a check will be forthcoming.

Route will follow existing roads where possible. Operator requests a 30' width for the Right-of-Way with an additional 30' width for working surface as necessary.



- |                              |                                |
|------------------------------|--------------------------------|
| ▲ existing gas meter         | ▲ proposed gas meter           |
| ○ existing location          | ● proposed location            |
| — existing poly surface line | --- proposed poly surface line |
| — existing road              | --- proposed road              |



**PROPOSED GAS GATHERING**  
**Section 6 T9S R16E**



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/30/96

API NO. ASSIGNED: 43-013-31720

WELL NAME: MONUMENT BUTTE 44-6-9-16Y  
 OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:  
 SESE 06 - T09S - R16E  
 SURFACE: 0816-FSL-0725-FEL  
 BOTTOM: 0816-FSL-0725-FEL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED  
 LEASE NUMBER: UTU - 74390

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal  State  Fee   
 (Number 6647186)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
 (Number JOE SHIELDS)
- RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

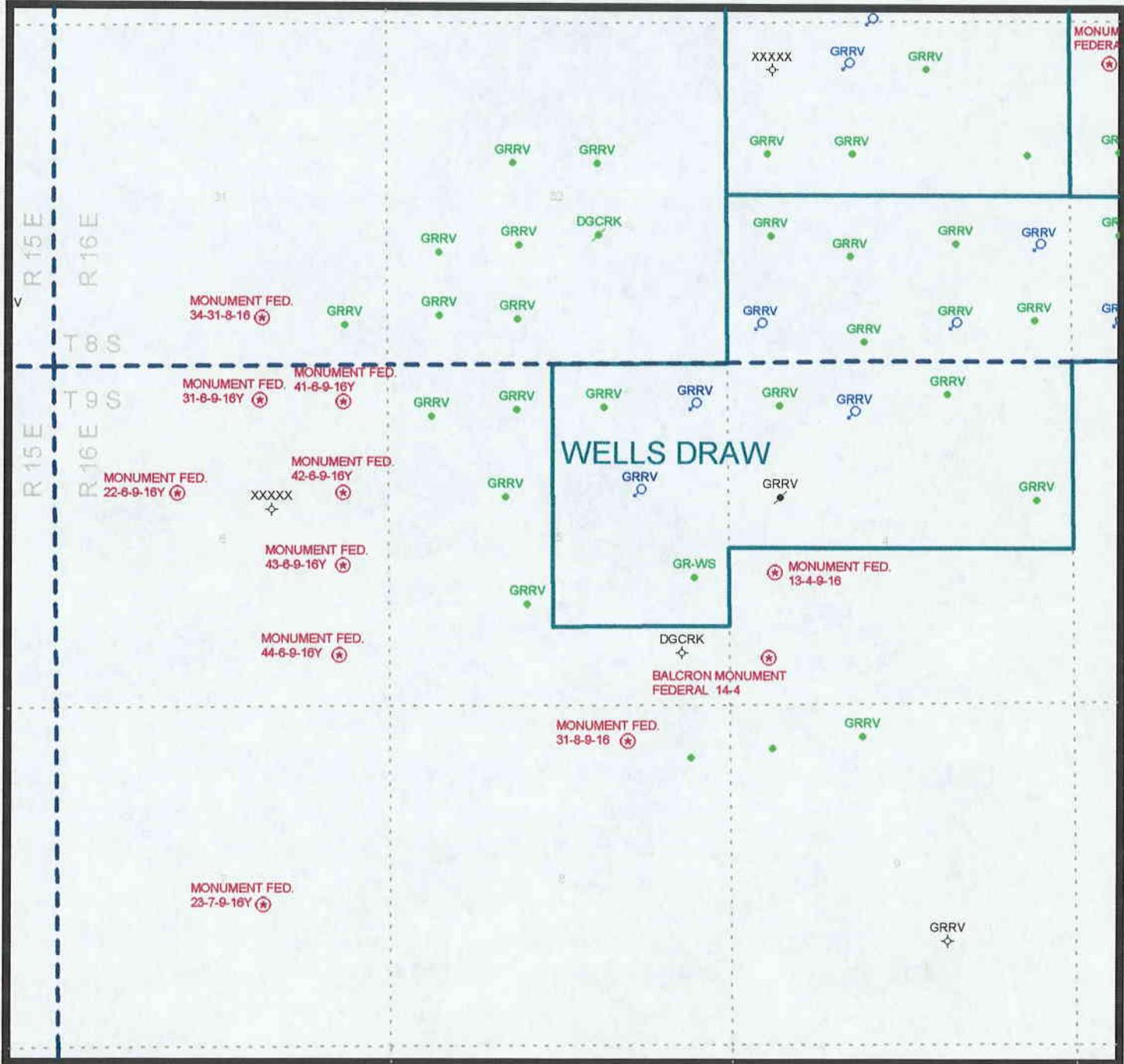
LOCATION AND SITING:

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

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

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

OPERATOR: EQUITABLE RESOURCES  
 FIELD: MONUMENT BUTTE (105)  
 SECTION: 31 T8S, R16E & 4,6,8 T9S R16E  
 COUNTY: DUCHESNE  
 SPACING: UAC R649-3-2



PREPARED:  
 DATE: 30-SEPT-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: <b>EQUITABLE RESOURCES</b>	Well Name: <b>MON BUTTE 44-6-9-16Y</b>
Project ID: <b>43-013-31720</b>	Location: <b>SEC. 06 - T9S - R16E</b>

Design Parameters:

Mud weight ( 8.90 ppg) : 0.462 psi/ft  
 Shut in surface pressure : 2285 psi  
 Internal gradient (burst) : 0.078 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	5,950	5.500	15.50	K-55	ST&C	5,950	4.825
	Collapse Load Strgth S.F. (psi) (psi)		Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	2751	4040	1.469	2751	4810	1.75	92.23 222 2.41 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 11-14-1996  
 Remarks :

GREEN RIVER

Minimum segment length for the 5,950 foot well is 1,500 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 113°F (Surface 74°F , BHT 157°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 2,751 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)

See attached listing

5. Lease Designation and Serial No.  
See attached listing

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.  
See attached listing

9. API Well No.

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

11. County or Parish, State  
See attached listing

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

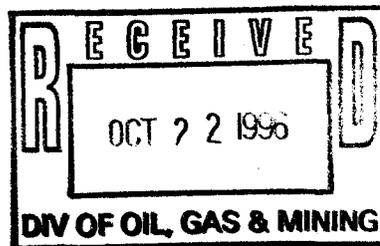
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>paleontology Reports</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 are the paleontology reports which were done on proposed wellsites, access routes, and gasline routes for the wells on the attached listing.

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 October 21, 1996

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

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.

\*See Instruction on Reverse Side

**MONUMENT BUTTE AREA  
PHASE 4 DRILLING  
1996**

1. (9)  
Monument Federal #31-18-9-16Y  
NW NE Section 18, T9S, R16E  
Duchesne County, UT  
660' FNL, 1980' FEL PROPOSED FOOTAGES  
648' FNL, 1992' FEL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU-74390  
PTD: 6,500' (Green River formation)  
GL: 5884.3' 6000'

2. (10)  
Monument Federal #42-18-9-16Y  
SE NE Section 18, T9S, R16E  
Duchesne County, UT  
1980' FNL, 500' FEL PROPOSED FOOTAGES  
2007' FNL, 388' FEL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU-74390  
PTD: 6,500' (Green River formation)  
GL: 6064.4' 5900'

3. (13)  
Monument Federal #31-21-9-16Y  
~~NE NE~~ NE Section 21, T9S, R16E N W N E  
Duchesne County, UT  
550' FNL, 2100' FEL PROPOSED FOOTAGES  
537' FNL, 2146' FEL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU-64379  
PTD: 6,500' (Green River formation)  
GL: 5943.3' 5650'

4. (14)  
Monument Federal #21-22-9-16Y  
NE NW Section 22, T9S, R16E  
Duchesne County, UT  
660' FNL, 1980' FWL PROPOSED FOOTAGES  
673' FNL, 2046' FWL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU-64379  
PTD: 6,500' (Green River formation)  
GL: 5875.3' 5700'

MONUMENT BUTTE AREA  
PHASE 4 DRILLING  
1996

34-31

Monument Federal #~~31~~32-8-16

SW SE Section 31, T8S, R16E

Duchesne County, UT

660' FSL, 1980' FEL PROPOSED FOOTAGES

723' FSL, 1970' FEL ACTUAL FOOTAGES ✓

Field: Monument Butte

FEDERAL LEASE #UTU- 74389

PTD: 6,500' (Green River formation)

GL: 5832.6' - 6050'

Monument Federal #13-4-9-16

NW SW Section 4, T9S, R16E

Duchesne County, UT

2050' FSL, 660' FWL PROPOSED FOOTAGES

2050' FSL, 660' FWL ACTUAL FOOTAGES ✓

Field: Monument Butte

FEDERAL LEASE #UTU- 73086

PTD: 6,500' (Green River formation)

GL: 5761.2' - 6000'

Monument Federal #31-8-9-16

NW NE Section 8, T9S, R16E

Duchesne County, UT

660' FNL, 1980' FEL PROPOSED FOOTAGES

520' FNL, 2076' FEL ACTUAL FOOTAGES ✓

Field: Monument Butte

FEDERAL LEASE #UTU- 20255

PTD: 6,500' (Green River formation)

GL: 5838' - 6000'

Monument Federal #33-10-9-16

NW SE Section 10, T9S, R16E

Duchesne County, UT

1980' FSL, 1980' FEL PROPOSED FOOTAGES

1980' FSL, 1980' FEL ACTUAL FOOTAGES ✓

Field: Monument Butte

FEDERAL LEASE #UTU- 72107

PTD: 6,500' (Green River formation)

GL: 5646.4' - 5800'

Monument Federal #43-10-9-16

NE SE Section 10, T9S, R16E

Duchesne County, UT

19800' FSL, 660' FEL PROPOSED FOOTAGES

1914' FSL, 722' FEL ACTUAL FOOTAGES ✓

Field: Monument Butte

FEDERAL LEASE #UTU- 72107

PTD: 6,500' (Green River formation)

GL: 5668.6' - 5800'

8/16/96.

MONUMENT BUTTE AREA  
PHASE 4 DRILLING  
1996

10.  
⑤  
Monument Federal #22-6-9-16Y  
SE NW Section 6, T9S, R16E  
Duchesne County, UT  
1980' FNL, 1980' FWL PROPOSED FOOTAGES  
~~2011' FNL~~ 1869' FNL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU- 74390  
PTD: 6,500' (Green River formation)  
GL: 5863.5' 6000'

11.  
③  
Monument Federal #31-6-9-16Y  
NW NE Section 6, T9S, R16E  
Duchesne County, UT  
660' FNL, 1980' FEL PROPOSED FOOTAGES  
624' FNL, 1926' FEL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU- 74390  
PTD: 6,500' (Green River formation)  
GL: 5855.4' 6000'

12.  
④  
Monument Federal #32-6-9-16Y  
SW NE Section 6, T9S, R16E washdown  
Duchesne County, UT  
2200' FNL, 1980' FEL PROPOSED FOOTAGES  
2129' FNL 1792' FEL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU- 74390  
PTD: 6,500' (Green River formation)  
GL: 5885.3' 6000'

13.  
①  
Monument Federal #41-6-9-16Y  
NE NE Section 6, T9S, R16E  
Duchesne County, UT  
660' FNL, 660' FEL PROPOSED FOOTAGES  
560' FNL 656' FEL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU- 74390  
PTD: 6,500' (Green River formation)  
GL: 5802.7' 6000'

14.  
②  
Monument Federal #44-6-9-16Y  
SE SE Section 6, T9S, R16E  
Duchesne County, UT  
800' FSL, 660' FEL PROPOSED FOOTAGES  
816' FSL, 725' FEL ACTUAL FOOTAGES  
Field: Monument Butte  
FEDERAL LEASE #UTU- 74390  
PTD: 6,500' (Green River formation)  
GL: 5861.6' 5950'

EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #44-6-9-16Y 43.013-21720

SE/SE SECTION 6, T9S, R16E, SLB&M

Duchesne County, Utah

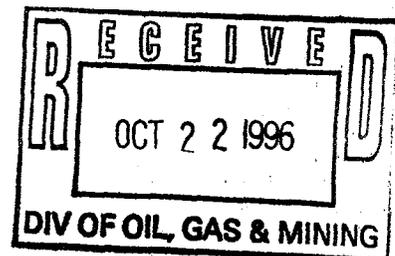
PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
P.O. BOX 731  
VERNAL, UTAH 84078

OCTOBER 14, 1996



RESULTS OF PALEONTOLOGY SURVEY AT EQUITABLE RESOURCES ENERGY CO. MONUMENT  
FEDERAL #44-6-9-16, SE/SE Section 6, T9S, R16E, S.L.B.&M, Duchesne Co., Utah.

Description of Geology and Topography-

This well location is 9 miles south and 5 miles west of Myton, Utah, just west of Wells Draw. The access road runs south and east from an existing road across a small draw and out on to a ridge point to the well location. This area is somewhat flat with a gentle slope to the north and northeast. The surface of the area covered with sand and small angular rock fragments. All rock outcrops in the 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 -

There are a few scattered weather fragments of turtle shell just northwest of corner #6, 50 yards west of the center stake. at 243 degrees.

No other fossils were found on the wellpad, access road or gas line.

Recommendations-

The turtle shell fragments are being recorded as a fossil locality, but are not considered highly significant due to the weathered and scattered nature of the material found.

There is always some potential for encountering significant fossils when working in the Uinta Formation. If important looking fossil material is found during construction, a paleontologist should be called to evaluate it.

No other recommendations are being made for paleontology at this location.

Allen H. Hamilton  
Paleontologist

Date October 14, 1996

United States  
Department of the Interior  
Bureau of Land Management

Paleontological Locality Form

1. Permit #/Permittee: BLM - UT-S-95-004 ALDEN H. HAMBLIN
2. Repository/Accn.#: UTAH FIELD HOUSE OF NATURAL HISTORY
3. Locality #: 42DG285V [ ] Plant [X] Vertebrate [ ] Invertebrate [ ] Other
4. Formation (and subdivision, if known): Uinta Formation, lower Member
5. Age: Late Eocene 6. County: Duchesne
7. BLM District: VERNAL 8. Resource Area: Diamond Mt.
9. Map name: Myton SW, Utah 10. Map source: U.S.G.S. 7 1/2 min. Quad.
11. Map scale: 1:24,000 12. Map edition: 1964
13. Latitude (deg., min., sec., direction): \_\_\_\_\_
14. Longitude (deg., min., sec., direction): \_\_\_\_\_
- or: UTM Grid Zone: 12 T 572050 mE 4433918 mN
15. Survey (Section, Township & Range): NW,SE,SE, Sec. 6, T9S, R16E, SLBM
16. Taxa observed/collected: There are a few scattered weather fragments of turtle shell just northwest of corner #6, 50 yards west of the center stake. at 243 degrees.
17. Discoverer(s)/Collector(s): Alden H. Hamblin
18. Date(s): October 8, 1996
19. Locality Classification: Class 1\_\_\_ Class 2\_\_\_ Class 3 X Class 4\_\_\_ Class 5\_\_\_  
(1 = Critical, 2 = Significant, 3 = Important, 4 = Insignificant, 5 = Unimportant)
20. Remarks: This fossil site was found during the paleontology survey of Equatable Resources Energy Co. Monument Federal #44-6-9-16Y.





**EQUITABLE RESOURCES**  
ENERGY COMPANY

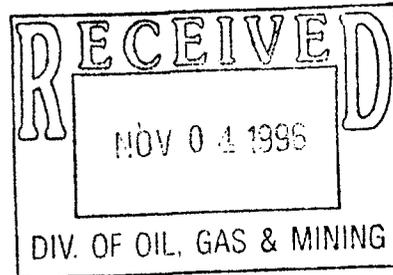
**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

October 31, 1996

Bureau of Land Management  
170 South 500 East  
Vernal, UT84078



Gentlemen:

Enclosed are archaeological reports which have been prepared for the following proposed wellsites and access routes:

Monument Federal #34-31-8-16, 31-6-9-16Y, 41-6-9-16Y, 22-6-9-16Y, and 44-6-9-16Y

Please consider this report to be part of the Application for Permit to Drill which has already been submitted.

Sincerely,

Bobbie Schuman  
Regulatory Specialist

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining

**CULTURAL RESOURCE EVALUATION  
OF SIX PROPOSED MONUMENT FEDERAL  
WELL LOCATIONS IN THE  
WELLS DRAW LOCALITY  
OF DUCHESNE COUNTY, UTAH**

**Report Prepared for Equitable Resources Energy Company  
(Units 34-31, 31-6, 41-6, 22-6, 32-6, & 44-6)**

Dept. of Interior Permit No.: UT-96-54937  
AERC Project 1550 (BLCR-96-9A)

Utah State Project No.: UT-96-AF-0556b

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

October 28, 1996

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Equitable Resources Energy Company of six proposed Monument Federal well locations situated on federal administered lands in the Wells Draw locality of Duchesne County, Utah. This evaluation includes Monument Federal Units 34-31-8-16Y, 41-6-9-16Y, 44-6-9-16Y, 31-6-9-16Y, 32-6-9-16Y, and 22-6-9-16Y. This study involves a total of ca. 94 acres; 60 acres are associated with the six ten acre parcels examined around each of the well locations and 34 acres are associated with the ca. 2.84 miles of access routes and pipeline corridors associated with these six units. These investigations were conducted by Glade Hadden on October 24 through 26, 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.

No newly identified prehistoric cultural resource locus were identified and recorded during the inventory.

No isolated, diagnostic artifacts were noted during the evaluations.

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 October 24 - 26, 1996, AERC archaeologist, Glade Hadden, conducted intensive cultural resource evaluations of six proposed Monument Butte well locations in the Wells Draw locality of Duchesne County, Utah (see Map 1). The purpose of this report is to detail the results of these evaluations, which include the Monument Federal Units 34-31-8-16Y, 41-6-9-16Y, 44-6-9-16Y, 31-6-9-16Y, 32-6-9-16Y, and 22-6-9-16Y (see Map 2) and various access routes and pipeline corridors associated with these six well sites. About 94 acres were examined which include 60 acres associated with the six ten acre well pad parcels and 34 acres associated with the cumulative 2.84 miles of 100 foot-wide access/pipeline corridors. All six 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/pipeline 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 Wells Draw locality of Duchesne County, Utah. These six wells are situated on the Myton SW 7.5 minute topographic quad. in the following sections:

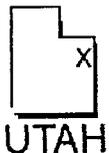
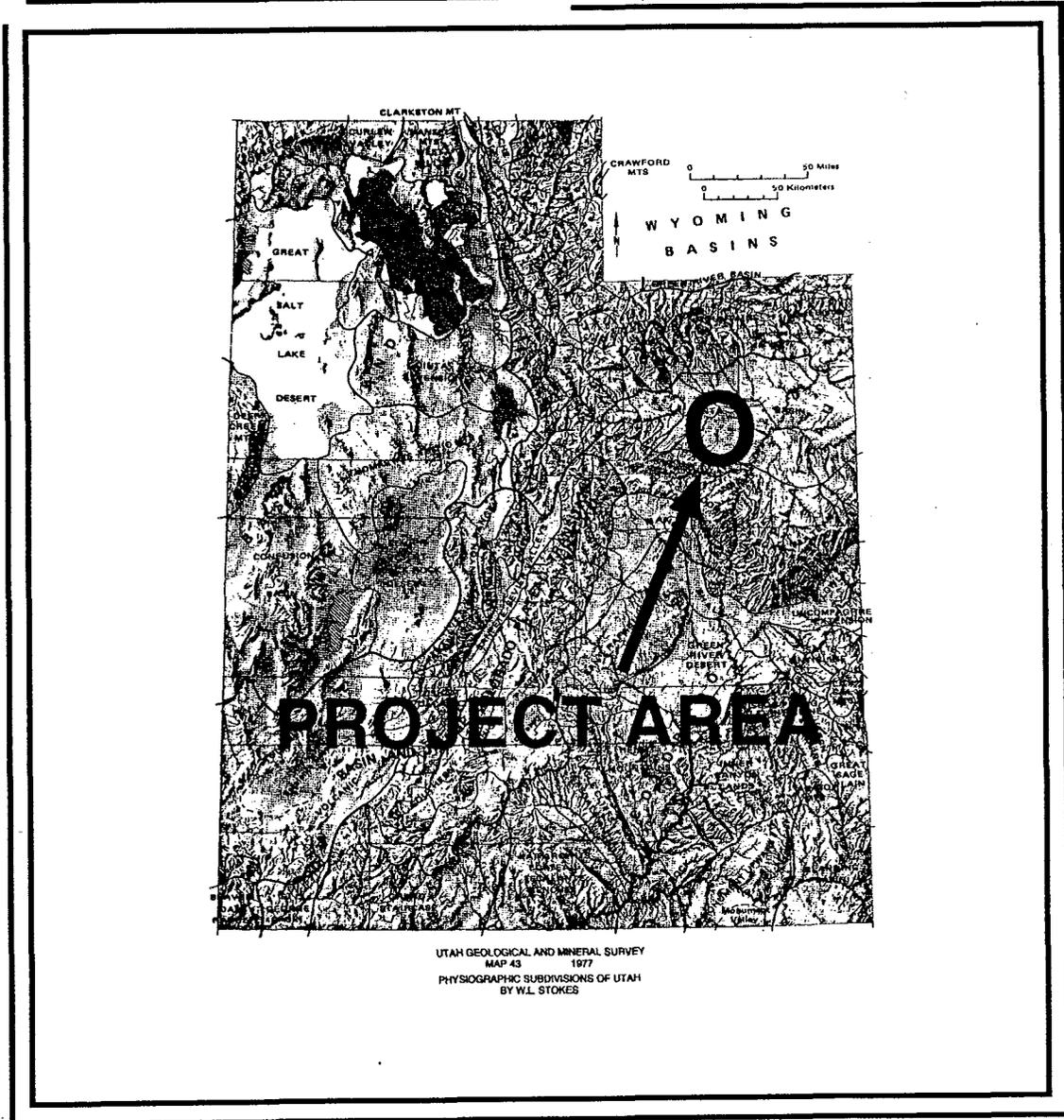
**Monument Federal Unit 34-31-8-16Y** (see Map 2) is in the southwest quarter of the southeast quarter of Section 31, Township 8 South, Range 16 East, Salt Lake B. & M. Its access/pipeline corridors link to an existing well to the east of the location.

**Monument Federal Unit 31-6-9-16Y** (see Map 2) is in the northwest quarter of the northeast quarter of Section 6, Township 9 South, Range 16 East, Salt Lake B. & M. Its access/pipeline corridor links to Unit 34-31 to the north of the proposed location.

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



**PROJECT: BLCR - 96 - 9A  
SCALE: see below  
QUAD: see below  
DATE: October 28, 1996**

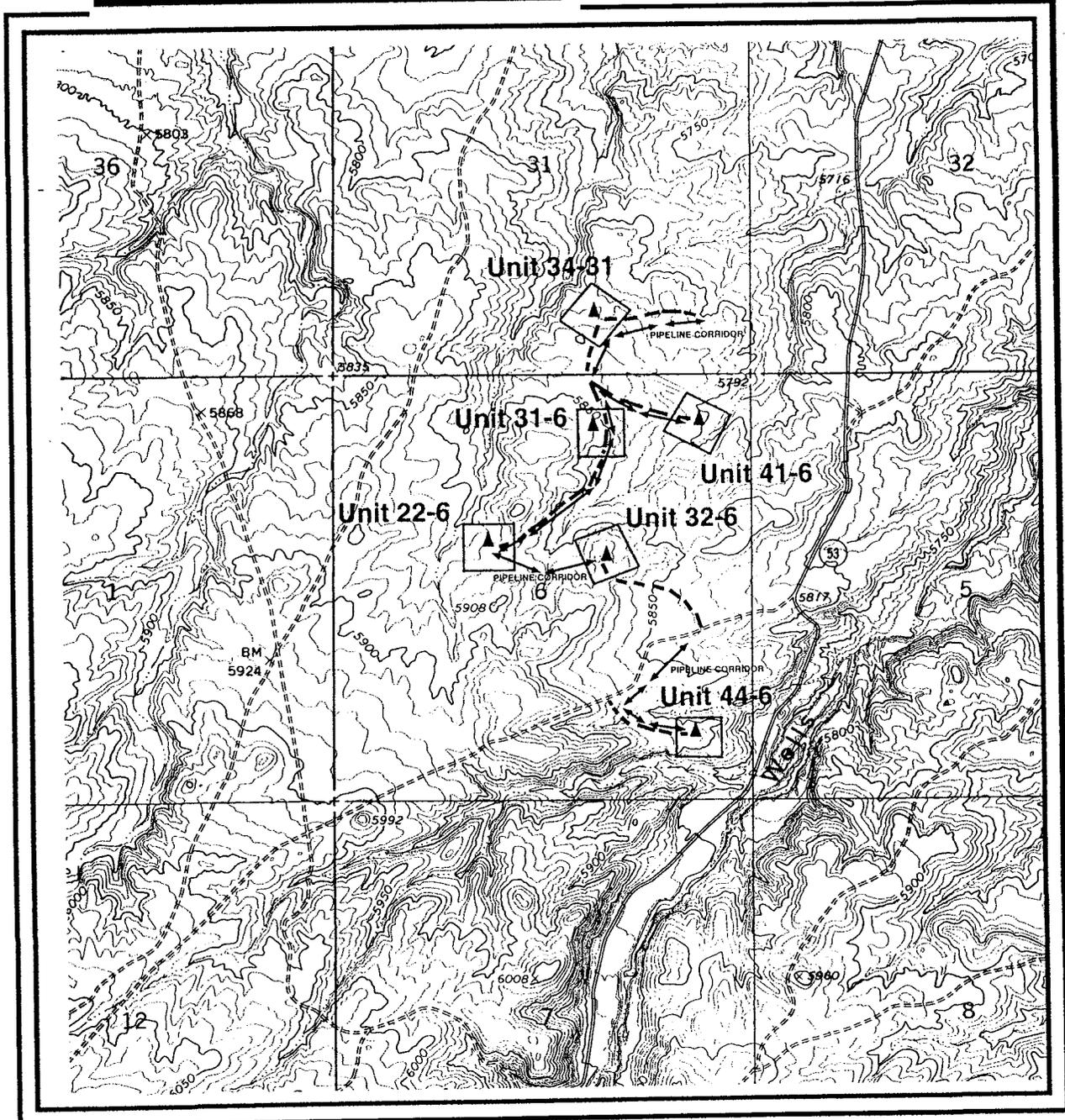


**TOWNSHIP: MULTIPLE  
RANGE: MULTIPLE  
MERIDIAN: SALT LAKE & UINTAH B. & M.**

**MAP 2: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATIONS  
IN THE WELLS DRAW LOCALITY OF  
DUCESNE COUNTY, UTAH**



**PROJECT: BLCR - 96 - 9A**  
**SCALE: 1:24,000**  
**QUAD: Myton SW, Utah**  
**DATE: October 28, 1996**



**TOWNSHIP: 8 & 9 South**  
**RANGE: 16 East**  
**MERIDIAN: Salt Lake B. & M.**

**LEGEND**

Well Location  
 Access Route  
 Ten Acre  
 Survey Area



**Monument Federal Unit 41-6-9-16Y** (see Map 2) is in the northeast quarter of the northeast quarter of Section 6, Township 9 South, Range 16 East, Salt Lake B. & M. Its access/pipeline corridor links to Unit 34-31 to the northwest of the proposed location.

**Monument Federal Unit 22-6-9-16Y** (see Map 2) is in the southeast quarter of the northwest quarter of Section 6, Township 9 South, Range 16 East, Salt Lake B. & M. Its access pipeline links to Unit 31-6 to the northeast of the proposed location.

**Monument Federal Unit 32-6-9-16Y** (see Map 2) is in the southwest quarter of the northeast quarter of Section 6, Township 9 South, Range 16 East, Salt Lake B. & M. Its access links to an existing roadway to the southeast of the proposed location; its pipeline corridor links to the west with Unit 22-6.

**Monument Federal Unit 44-6-9-16Y** (see Map 2) is in the southeast quarter of the southeast quarter of Section 6 Township 9South, Range 16East, Salt Lake B. & M. Its access/pipeline corridors link to an existing roadway to the north of the proposed location.

### Environmental Description

The project area is within the 5750 to 5900 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 October 10, 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 Wells Draw / 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 six locations consisted of the archaeologist 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 six associated access routes and pipeline corridors as shown on Map 2. Thus, ca. 94 acres were inventoried relative to these proposed well locations of which 60 acres includes the six ten acre parcels and ca. 34 acres includes the cumulative 2.84 miles of access/pipeline 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 six proposed well locations and access/pipeline routes.

No diagnostic isolated artifacts were observed and recorded during the evaluations.

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

No prehistoric or historic activity loci were observed during the inventory.

## CONCLUSION AND RECOMMENDATIONS

No cultural resources of significance are situated within the proposed development zone associated with these six well locations and their access/pipeline corridors.

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

1. 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;
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. 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

## REFERENCES

Fike, Richard E. and H. Blaine Phillips II

1984 *A Nineteenth Century Ute Burial from Northeast Utah. Cultural Resource Series*  
No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a "Excavation" (in) *A Nineteenth Century Ute Burial from Northeast Utah. Cultural Resource Series* No. 16, Bureau of Land Management, Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1987 Cultural Resource Evaluation of Two Seismic Line Corridors in the Leland Bench - Pariette Draw Locality of Uintah County, Utah. Report prepared for Arma Geophysical Company, AGC-97-6), Archeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.

- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, cf., Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.
- 1996a Cultural Resource Evaluation of Four Proposed Well Locations and Access Routes in the Castle Peak Draw Locality -- Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8A, Archeological-Environmental Research Corporation, Bountiful.
- 1996b Cultural Resource Evaluation of 13 Proposed Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah and Duchesne Counties, Utah. Report

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- 1996c Cultural Resource Evaluation of Two Proposed Well Locations and Access Routes in the Wells Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-96-1, Archeological-Environmental Research Corporation, Bountiful.
- 1996d Cultural Resource Evaluation of 11 Proposed Monument Federal Well Locations in the Wells Draw, Castle Peak Draw, Pariette Bench Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-96-2, Archeological-Environmental Research Corporation, Bountiful.
- 1996e Cultural Resource Evaluation of Three Proposed Pipeline Corridor Complexes in the Castle Peak Draw - Pariette Bench Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-3, Archeological-Environmental Research Corporation, Bountiful.
- 1996f Cultural Resource Evaluation of 5 Proposed Monument Well Locations in the Wells Draw, Pariette Bench, Eightmile Flat, and Big Wash Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-5A, Archeological-Environmental Research Corporation, Bountiful.
- 1996g Cultural Resource Evaluation of Two Proposed Monument Well Locations in the Eightmile Flat Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-96-5B, Archeological-Environmental Research Corporation, Bountiful.
- 1996h Cultural Resource Evaluation of Two Proposed Monument State Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-6, Archeological-Environmental Research Corporation, Bountiful.
- 1996i Cultural Resource Evaluation of Five Proposed Monument Federal Well Locations in the Pariette Bench Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-96-7, Archeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard and Glade Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.

- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah.  
  
Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Two Proposed Balcron Monument State Well

Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.

1994f Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-11, Archaeological-Environmental Research Corporation, Bountiful.

1995a Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-1 & 2, Archaeological-Environmental Research Corporation, Bountiful.

1995b Cultural Resource Evaluation of a Series of Proposed Water Return Pipeline Routes in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-95-7, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F.R. and G. Norman

1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

Hauck, F.R. and Dennis Weder

1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42, of the Archaeological-Environmental Research Corporation, Bountiful.

Stokes, W.L.

1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake City.

U.S. Department of the Interior  
Bureau of Land Management  
Utah State Office  
(AERC FORMAT)

Project  
Authorization No .U.9.6.A.F.0.5.5.6.b.

Report Acceptable Yes \_\_\_ No \_\_\_

Mitigation Acceptable Yes \_\_\_ No \_\_\_

Comments: \_\_\_\_\_

Summary Report of  
Inspection for Cultural Resources

SIX WELL LOCATIONS IN THE WELLS  
DRAW LOCALITY OF DUCHESNE CO.

1. Report Title . . . . .

Equitable Resources Energy Corp.

2. Development Company \_\_\_\_\_

10 28 1996

UT-96-54937

3. Report Date . . . . . 4. Antiquities Permit No. \_\_\_\_\_

AERC BLCR - 96 - 9

5. Responsible Institution . . . . . County Duchesne

6. Fieldwork

Location: TWN .0.8.S. . RNG .1.6.E. . Section.31,  
TWN .0.9.S. . RNG .1.6.E. . Section 6

7. Resource Area .DM.

8. Description of Examination Procedures: The archeologist, Glade Hadden, intensively examined the proposed well locations, access routes, and pipeline corridors by walking 10 to 15 meter-wide transects in the ten acre parcels and along the 100 foot-wide access/pipeline corridors centered on the flagged center-line.

9. Linear Miles Surveyed . . . . . 2 . 8 4 . . . . . I  
and/or

Definable Acres Surveyed . . . . .

R = Reconnaissance

I = Intensive

Legally Undefinable . . . . . 9 4 . . . . .  
Acres Surveyed . . . . .

S = Statistical Sample

11. Description of Findings:  
No archaeological sites  
were identified and recorded during  
this survey.

12. Number Sites Found .0. . . . .  
(No sites = 0)

13. Collection: .N.  
(Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 10-10-96 Vernal BLM 8-13-96

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Equitable Resources Energy Company for the proposed developments based on the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas, well pads and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. 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.

---

17. Signature of Administrator & Field Supervisor

Administrator:

Field  
Supervisor:

A handwritten signature in black ink, appearing to read "J. Frank" or similar, written over the "Field Supervisor:" label.



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)

November 14, 1996

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, Montana 59102

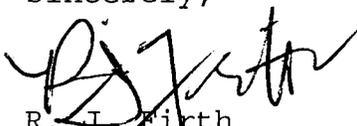
Re: Monument Federal 44-6-9-16Y Well, 816' FSL, 725' FEL,  
SE SE, Sec. 6, T. 9 S., R. 16 E., Duchesne County, Utah

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 43-013-31720.

Sincerely,

  
R. J. Firth  
Associate Director

lwp

Enclosures

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



Operator: Equitable Resources Energy Company  
Well Name & Number: Monument Federal 44-6-9-16Y  
API Number: 43-013-31720  
Lease: UTU-74390  
Location: SE SE Sec. 6 T. 9 S. R. 16 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.

**CONFIDENTIAL**  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse)

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

**CONFIDENTIAL** LEASE DESIGNATION AND SERIAL NO.  
UTU-74390

**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 SE SE Section 6, T9S, R16E 816' FSL, 725' FEL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
From Myton, Utah approximately 10 miles SW

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH  
5,950'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GL 5861.6'

22. APPROX. DATE WHEN WELL START\*

RECEIVED  
NOV 18 1996  
QUANTITY OF CEMENT

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
See Drilling Program/Casing Design			

DIV. OF OIL, GAS & MINING

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

RECEIVED  
SEP 3 1996

**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 of the terms and conditions of that portion of the lease associated with this application.

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

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 Robbie Schuman TITLE Regulatory and Environmental Specialist DATE September 25, 1996  
Robbie Schuman

(This space for Federal or State office use)

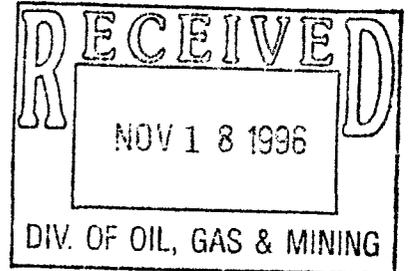
PERMIT NO. 43-013-31720 APPROVAL DATE \_\_\_\_\_

APPROVED BY Jim Kuehler TITLE ACTING Assistant Field Manager DATE NOV 15 1996  
CONDITIONS OF APPROVAL, IF ANY: Mineral Resources

CONDITIONS OF APPROVAL ATTACHED  
UT 080-600-229 \*See Instructions On Reverse Side

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL



Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 44-6-9-16Y

API Number: 43-013-31720

Lease Number: U-74390

Location: SESE Sec. 6 T. 9S R. 16E

**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 **prior to running the next casing string or requesting plugging orders.** 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.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water Zone identified at  $\pm$  626 ft.. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by the cementing program. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  426 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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

6. Notifications of Operations

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

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

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 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) 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 3162.7-5 (b. 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 on-lease 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 following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

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

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

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

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

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

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

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

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

Ed Forsman            (801) 789-7077  
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, spend solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids

## **SURFACE USE PROGRAM**

### 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, contact the authorized office to obtain a seed mixture to revegetate these specific areas.

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.

### **SAGE GROUSE**

No surface disturbing activities, construction, or drilling operations including the initial completion activities are to occur on the well, access road or location from March 1 through June 30. This restriction is to protect the nesting of sage grouse that may be utilizing the area habitat.

### **MOUNTAIN PLOVERS & BURROWING OWLS**

No surface disturbing activities, construction, or drilling operations including the initial completion activities are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect the nesting Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this restriction may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

An example of an exception: could be to contact the authorized officer of the BLM to coordinate additional surveys for mountain plover & burrowing owl. The notification will be required a minimum of 14 days prior to surface disturbance to allow time to conduct a wildlife survey. If an active nest or chicks are found, the proposed activity will be delayed until the chicks are out

of downy plumage or the brood vacates the area.

**RAPTOR NESTING**

If this is a producing well, to protect potential nesting raptor species in the area the operator shall install a high quality muffler to limit the noise impacts in the area.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: MONUMENT FEDERAL 44-6-9-16Y

Api No. 43-013-31720

Section 6 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig #: 17

SPUDDED:

Date: 12/30/96

Time: \_\_\_\_\_

How: DRY HOLE

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

Reported by: D. INGRAM

Telephone #: \_\_\_\_\_

Date: 12/30/96 Signed: FRM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
UTU-74390

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

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

8. Well Name and No.  
Monument Fed. #44-6-9-16Y

9. API Well No.  
43-013-31720

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

11. County or Parish, State  
Duchesne County, UTAH

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)  
SE SE Section 6, T9S, R15E  
816' FSL, 725' FEL

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>spud of well</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

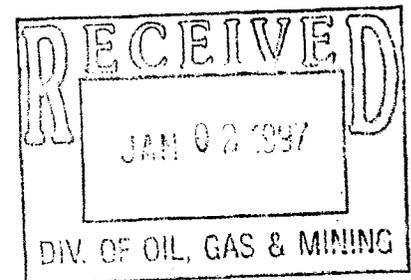
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

This well was spud on December 30, 1996.

CONFIDENTIAL

ORIGINAL: Bureau of Land Management (Vernal, Utah)  
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 December 31, 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.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**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)

SE SE Section 6, T9S, R16E  
816' FSL, 725' FEL

5. Lease Designation and Serial No.  
UTU-74390

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

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

8. Well Name and No.  
Monument Fed. #44-6-9-16Y

9. API Well No.  
43-013-31720

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

11. County or Parish, State  
Duchesne County, UTAH

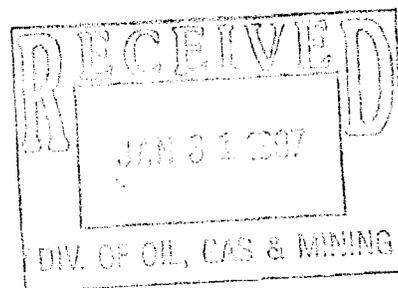
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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>1st production</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.)\*

This well started pumping at 9:15 a.m. 1/28/97.



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 January 29, 1997  
(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.

\*See Instruction on Reverse Side

OPERATOR Equitable Resources Energy Company

OPERATOR ACCT. NO. N 9890

ADDRESS 1601 Lewis Avenue

Billings, MT 59102

(406) 259-7860

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	12054	43-013-31716	Monument Fed. #13-4-9-16	NW SW	4	T9S	16E	Duchesne	1-6-97	
WELL 1 COMMENTS: Spud of a new well. <i>Entities added 2-7-97. lcc</i> <i>Entity previously added 13-4-9-16 (12054) lcc.</i>											
A	99999	12065	43-013-31723	Monument Fed. #13-10-9-16	NE SE	10	9S	16E	Duchesne	1-25-97	
WELL 2 COMMENTS: Spud of a new well.											
A	99999	12066	43-013-31720	Monument Fed. #4-6-9-16Y	SE SE	6	9S	15E	Duchesne	12-30-96	12-30-96
WELL 3 COMMENTS: Spud of a new well.											
A	99999	12067	43-013-31715	Monument Fed. #34-31-8-16	SW SE	31	8S	16E	Duchesne	12-7-96	12-7-96
WELL 4 COMMENTS: Spud of a new well.											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

*Molly Corneal*  
Signature

*Operations Tech. 2/7/96*  
Title Date

Phone No. ( )

2/2/94

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESRV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Equitable Resources Energy Company

3. ADDRESS OF OPERATOR  
1601 Lewis Avenue, Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 816' FSL & 725' FEL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-013-31720 DATE ISSUED 11-14-96

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-74390

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.  
44-6-9-16Y

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

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SESE Section 6, T9S, R16E

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUDDED 12-29-96 16. DATE T.D. REACHED 1-6-97 17. DATE COMPL. (Ready to prod.) 1-28-97 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5861.6' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5950' 21. PLUG, BACK T.D., MD & TVD 5868' 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY → SFC - TD | ROTARY TOOLS | CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5087' - 5384' Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
HALS CBL/GR DLL/GR LDT CNT MUD LOG 1-7-97 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	255.65'	12-1/4"	160 sxs "G" w/additives	None
5-1/2"	15.5#	5910.22'	7-7/8"	305 sxs Premium Lite w/additives 385 sxs 50/50 POZ w/additives	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	5445.09' KB	n/a

31. PERFORATION RECORD (Interval, size and number)  
5350'-5355' (4 SPF)  
5377'-5384' (4 SPF)  
5087'-5100' (4 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED  
Please see attachment.

33. PRODUCTION

DATE FIRST PRODUCTION 1-28-97 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-10-97	24	N/a	→	17.5	43.1	25	2.46 MCF/BBL
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a	→	17.5	43.1	25	34	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Gas will go to Monument Butte Gas Plant, Sold and also used for fuel. TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS  
#32 - Acid, Shot, Fracture, Cement Squeeze, EIC.

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

SIGNED Molly Conrad TITLE Operations Technician DATE 4-11-97

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	Green River Horsebench SS 2nd Garden Gulch Yellow Marker Douglas Creek 2nd Douglas Creek Green Marker Black Shale Facies Carbonate Marker	1623' 2306' 4010' 4640' 4790' 5014' 5149' 5513' 5688'	1623' 2306' 4010' 4640' 4790' 5014' 5149' 5513' 5688'

**Attachment to Completion Report  
Monument Federal #44-6-9-16Y  
SE SE Section 6, T9S, R16E  
Duchesne County, Utah**

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
5350' - 5384'	Break down with 2730 gallons 2% KCL water. Fracture with 14,110# 20/40 mesh sand and 26,520# 16/30 mesh sand with 14,532 gallons 2% KCL gelled water.
5087' - 5100'	Break down with 2772 gallons 2% KCL water. Fracture with 11,430# 20/40 mesh sand and 28,020# 16/30 mesh sand with 14,406 gallons 2% KCL gelled water.

/mc

**REPORT OF WATER ENCOUNTERED DURING DRILLING**

1. Well name and number: Monument Federal #44-6-9-16Y

API number: 43-013-31720

2. Well Location: QQ SESE Section 6 Township 9S Range 16E County Duchesne

3. Well operator: Equitable Resources Energy Company

Address: 1601 Lewis Avenue

Billings, MT 59102

Phone: (406)259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during drilling operations.	

6. Formation tops: Please see completion report.

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

I hereby certify that this report is true and complete to the best of my knowledge. Date: 4-11-97

Name & Signature: Molly Conrad *Molly Conrad* Title: Operations Technician

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

UTU-74390

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Monument Fed. #44-6-9-16Y

9. API Well No.

43-013-31720

10. Field and Pool, or Exploratory Area

Monument Butte/Green Rivr.

11. County or Parish, State

Duchesne County, Utah

**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)

SE SE Section 6, T9S, R16E  
816' FSL & 725' FEL

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 type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Site Security Diagram</u>	<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 Site Security Diagram for this well.

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

Signed Molly Conrad

Title Operations Technician

Date 4-11-97

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

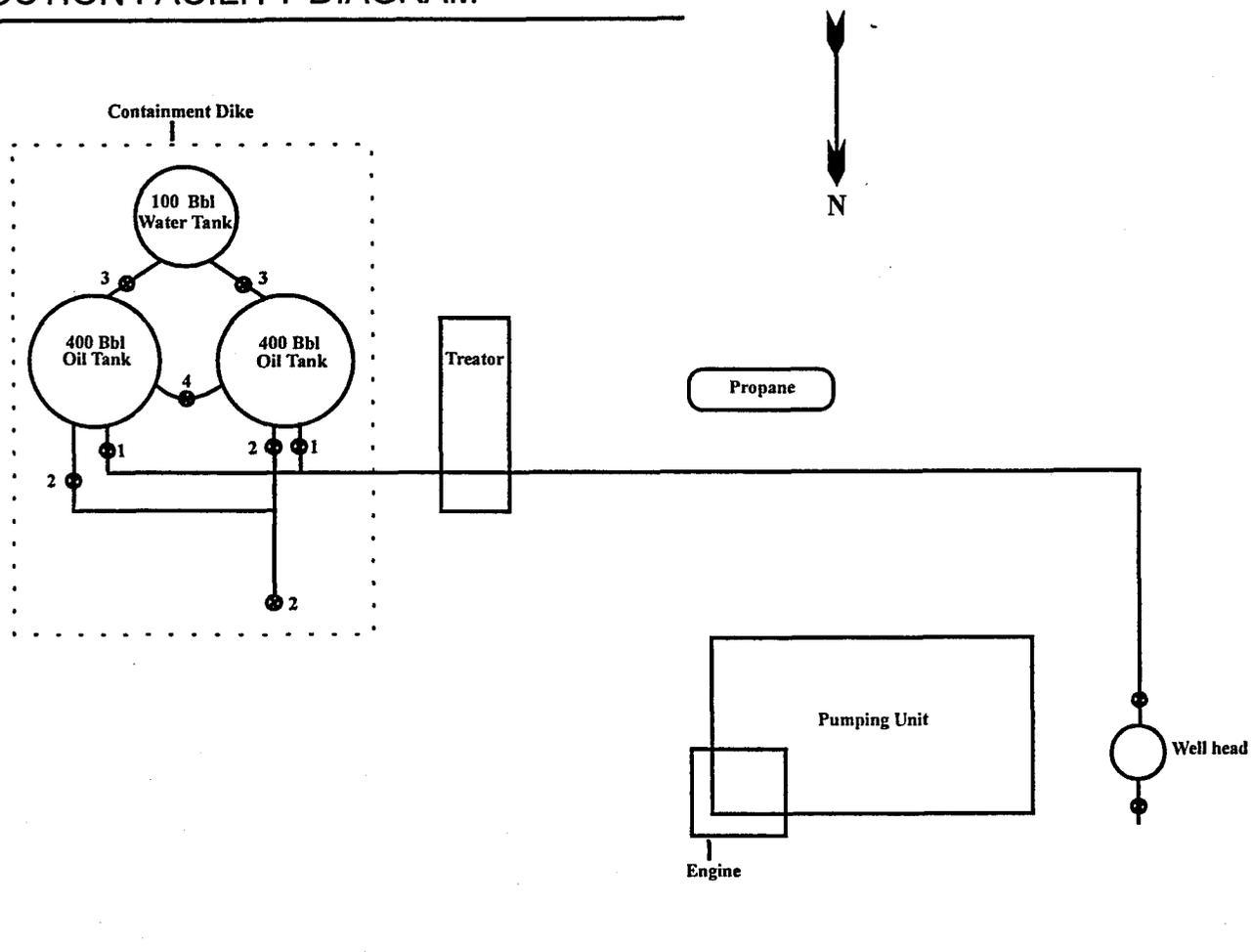
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\*See Instruction on Reverse Side

**EQUITABLE RESOURCES ENERGY COMPANY**  
**Monument Federal 44-6-9-16Y**  
**PRODUCTION FACILITY DIAGRAM**

**Monument Federal 44-6-9-16Y**  
**SE SE SEC 6, T9S R16E**  
**DUCHESNE COUNTY, UTAH**  
**FEDERAL LEASE #UTU-74390**



Valve Description			
	During Prod.	During Sale	During Water Drain
Valve #1	Open	Closed	Closed
Valve #2	Closed	Open	Closed
Valve #3	Closed	Closed	Open
Valve #4	Open	Closed	Closed

Diagram Not To Scale

PLAN LOCATED AT:  
**EQUITABLE RESOURCES ENERGY COMPANY**  
**Western Region**  
 1601 Lewis Avenue  
 Billings, MT 59102  
 (406) 259-7860

March 19, 1997

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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. UTU-74390
2. Name of Operator Equitable Resources Energy Company	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. 1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860	7. If Unit or CA, Agreement Designation n/a
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE SE Section 6, T9S, R16E 816' FSL & 725' FEL	8. Well Name and No. Monument Fed. #4-6-9-16Y
	9. API Well No. 43-013-31720
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne 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>Onshore Order #7</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.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, UT. A copy of the state-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another state-approved disposal facility. If applicable, the Operator has received approved Right-of-Way acces to this well location from the Vernal Bureau of Land Management.

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

Signed Maly Conrad Title Operations Technician Date 4-11-97

(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.

**EREC, Western Region**  
**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #44-6-9-16Y**

**Location: Monument Butte Field**

**Duchesne County, Utah**

---TIGHT HOLE---

**816' FSL, 725' FEL**

**PTD: 5950' Formation: Green River**

**Monument Butte Field**

**API #43-013-31720**

**Elevations: 5861.6' GL**

**Contractor: Union Drilling**

**Operator: EREC/Western Region**

**Spud: 12-29-96**

**Casing: 8-5/8", 24#, J-55 @ 255.65'**

**5-1/2", 15.5#, J-55 @ 5910.22'**

**Tubing: 2-7/8", 6.5#, J-55 @ 5445.09' KB**

**12/31/96 TD: 293' (293') Day 1**

**Formation: Sand & Shale**

**Present Operation: Drilling 7-7/8" hole**

**On 12/30/96 RU & drilled 11" hole. Set 244' of 8-5/8" csg and WOC. NU & pressure tested BOP stack. Just started to drill 7-7/8" hole.**

**DC: \$5,274**

**CC: \$5,274**

**12/31/96 8-5/8", J-55, 24# Casing run as follows:**

Shoe	.90'
Shoe Joint	34.45'
Baffle Plate	0.00'
5 Joints Csg	210.30'
Total Csg Length	245.65'
Landing Joint	10.00'
Depth Landed	255.65'

**Well spud @ 8:30 AM, 12/30/96. Plug down @ 3:30 PM. Return 5 bbls to pit.**

**01/01/97 TD: 1721' (1428') Day 2**

**Formation: Sand & Shale**

**Present Operation: Drilling 7-7/8" Hole**

**Drilled 1428' of 7-7/8" hole in 22 hours with 1-1/2 hrs being used for surveys & rig service.**

**DC: \$25,704**

**CC: \$30,978**

**01/02/97 TD: 3178' (1457') Day 3**

**Formation: Sand & Shale**

**Present Operation: Drilling 7-7/8" hole**

**Drilled 1457' of 7-7/8" hole @ 20-25 min/kelly. Rand 2 surveys @ 2150' - 1-3/4° and 2700' - 1-1/2°.**

**DC: \$26,226**

**CC: \$57,204**

**EREC, Western Region**  
**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #44-6-9-16Y**

**Location:** Monument Butte Field  
Duchesne County, Utah  
816' FSL, 725' FEL

---TIGHT HOLE---

**01/03/97** TD: 4192' (1014') Day 4  
Formation: Sand & Shale  
Present Operation: Trip In Hole Bit #4  
Drilled 1014' of 7-7/8" hole & ran 2 surveys. Presently finishing a bit trip.  
Tripping in hole for bit #4.  
DC: \$18,252 CC: \$75,456

**01/04/97** TD: 5191' (999') Day: 5  
Formation: Sand & Shale  
Present Operation: Drilling 7-7/8" hole  
Finish trip for change over to fluid, circulate hole. Drill 999' of 7-7/8" hole @ avg  
57' per hour. Ran 1 survey @ 4700' - 1-1/2".  
DC: \$17,982 CC: \$93,438

**01/05/97** TD: 5950' (759') Day: 6  
Formation: Sand & Shale  
Present Operation: Rig Up Loggers  
Drilled 759' of 7-7/8" hole. TD well @ 5950'. Circulate hole, lay down drill pipe  
and drill collars. Start rigging up loggers @ 6:00 AM.  
DC: \$13,662 CC:  
\$107,100

**01/06/97** TD: 5950' (0') Day: 7  
Present Operation: Shut Down  
Circulate hole, log well, RU & run 5-1/2", J-55, 15.5# csg as follows:

Shoe	.90'
Shoe Joint	42.50'
Float Collar	1.10'
139 Joints Casing	5855.72'
Total Casing Length	5900.22'
Landing Joint	10.22'
Depth Landed	5910.22'
PBTD	5865.72'

Cemented 5-1/2" csg as follows: Lead - 305 sxs premium lite plus + 10% gel +  
6#/sx PA-91 + .5% sod metas + 2#/sx Kolseal + 1/4#/sx Cello Flake. Tail - 385 sxs  
50/50 poz + 2% gel + 1/4#/sx Cello Flake + 2#/sx Kolseal. Rig down and shut down.

**12/07/97** Completion  
Dress up location, set rig anchors, set rig pump & tanks. MIRU Cannon Well  
Service Rig #2. NU 5-M well head. NU BOP. TIH w/4-3/4" bit, csg scrapper & 190

jts 2-7/8" tbg. Tag PBD @ 5868' KB. Circulate hole clean w/140 bbls 2% KCL wtr.  
Press test csg to 1000 psi, OK. TOOH w/tbg & tools. SWIFD.

DC: \$3,005

CC: \$110,105

**EREC, Western Region**  
**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #44-6-9-16Y**

**Location: Monument Butte Field**  
**Duchesne County, Utah**  
**816' FSL, 725' FEL**

**---TIGHT HOLE---**

**01/08/97 Completion**

RU Schlumberger to run CBL & perf. Run CBL from 5855' KB to surface. TOC @ 100' KB. Perf 5350' - 5355' & 5377' - 5384', 4 SPF. TIH w/TS RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 176 jts 2-7/8" tbg. Set BP @ 5452' KB, EOT @ 5326' KB, pkr @ 5318' KB. RU BJ Services & break down 5350' - 5377' w/2730 gals 2% KCL wtr. ATP = 2200 psi, ATR = 3.8, ISIP = 1250 psi. Used 65 bbls wtr. Flowed back 10 bbls wtr. TOOH w/tbg, pkr & retrieving tool. SWIFD.

DC: \$10,403

\$120,508

CC:

**10/09/97 Completion**

RU BJ Services & frac 5350' - 5384' w/14,532 gals 2% KCL wtr, 14,110 lbs 20/40 mesh sand & 26,520 lbs 16/30 mesh sand. ATP = 1950 psi, ATR = 26.3 bpm, ISIP = 1950 psi, 5 min = 1580 psi, 10 min = 1520 psi, 15 min = 1430 psi, 30 min = 1290 psi. Used 346 bbls wtr. Start forced closure flow back, .5 bpm. Flowed back 135 bbls wtr, trace sand. TIH w/retrieving tool, 21-3/8" x 4' sub, HD pkr, 2-7/8" SN & 172 jts 2-7/8" tbg. Tag sand @ 5304' KB. Circulate down to BP @ 5452' KB. Set pkr @ 5318' KB. Made 8 swab runs. Recovered 41 bbls wtr, gas cut, trace of sand. Final fluid level @ 1450'. SWIFD.

DC: \$25,217

\$145,725

CC:

**01/10/97 Completion**

Fluid level 200'. Made 29 swab runs. Recovered 9 bbls oil & 134 bbls wtr, trace of sand, good gas. Oil 30% last 3 runs. Fluid level 2600' last 4 runs. No sand last 8 runs. Release pkr. Tag sand @ 5446' KB. Circulate down to BP @ 5452' KB. Release BP. Reset BP @ 5145' KB. TOOH w/tbg, pkr & retrieving tool. SWI until 1-13-97.

DC: \$1,990

CC: \$147,715

**01/13/97 Completion**

RU Schlumberger & perf 5087' - 5100', 4 SPF. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 162 jts 2-7/8" tbg. Set pkr @ 5013' KB, EOT @ 5021' KB.

RU BJ Services & break down 5087' - 5100' w/2772 gals 2% KCL wtr. ATP = 1750 psi, ATR = 2.9 bpm, ISIP = 1200 psi. Used 66 bbls wtr. Flow back 10 bbls wtr. TOOH w/tbg, pkr & retrieving tool. SWIFD.

DC: \$5,352

CC: \$153,067

**EREC, Western Region  
DAILY OPERATING REPORT**

**MONUMENT FEDERAL #44-6-9-16Y Location: Section 6, T9S, R16E  
Monument Butte Field  
Duchesne County, Utah**

**---TIGHT HOLE---**

**01/14/97 Completion**  
 RU BJ Services & frac 5087' - 5100' w/14,406 gals 2% KCL gelled wtr, 11,430 lbs 20/40 mesh sand & 28,020 lbs 16/30 mesh sand. ATP = 1900 psi, ATR = 26.2 bpm, ISIP = 1800 psi, 5 min = 1880 psi, 10 min = 1760 psi, 15 min = 1680 psi, 30 min = 1510 psi. Used 343 bbls wtr. Start forced closure flow back, .5 bpm. Flow back 160 bbls wtr, trace of sand. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 163 jts 2-7/8" tbg. Tag sand @ 5049' KB. Circulate down to BP @ 5145' KB. Pull up & set pkr @ 5013' KB. Made 10 swab runs. Recovered 51 bbls wtr, trace of sand, gas cut. Final fluid level @ 1750' KB. SWIFD.  
 DC: \$22,915  
 \$175,982

CC:

**01/15/97 Completion**  
 Fluid level @ 600'. Could not get swab down because of heavy oil. Flush tbg w/10 bbls hot wtr. Made 27 swab runs. Recovered 15 bbls oil & 118 bbls wtr, good gas. Oil 30% last 2 runs. Fluid level @ 2400 last 3 runs. No sand. SWIFN.  
 DC: \$4,080

CC: \$180,062

**01/16/97 Completion**  
 Thaw tanks & lines, unset pkr, circulate oil out of well. Tag sand @ 5128' KB. Circulate down to BP @ 5145' KB. Release BP, TOOH w/tbg, pkr & tbg. TIH w/tbg string as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - Notched pined collar 2-7/8"	.40'	5445.09'
1 - jt 2-7/8" EUE J-55 8rd 6.5#	29.60'	5444.69'
1 - Perf sub 2-7/8" x 4'	4.20'	5415.09'
1 - SN 2-7/8"	1.10'	5410.89'
13 - jts 2-7/8" EUE J-55 8rd 6.5#	396.74'	5409.79'
1 - Tbg anchor 2-7/8" x 5-1/2" (TRICO)	2.75'	5013.05'
162 - jts 2-7/8" EUE J-55 8rd 6.5#	5000.30'	5010.30'
KB	10.00'	

ND BOP, ND 5- well head, NU 3-M well head. tbg anchor w/12" tension.

Flange up well head. TIH w/rod string as follows:

1 - DHP, 2-1/2 x 1-1/2 x 16' RWAC w/SM plunger (TRICO #1213)

1 - 7/8" x 2' Pony w/2-1/2" guide

1 - 1-1/2" x 25' K-bar

1 - 7/8" x 2' Pony w/2-1/2" guide

214 - 3/4" x 25' D-61 Plain

1 - Polish rod 1-1/4" x 22' SM

Press test DHP & tbg to 1000 psi, OK. RDMO.

DC: \$25,510

CC: \$205,572

01/28/97 Completion

Start well pumping @ 9:15 AM. 6-1/4 SPM, 96" stroke.

DC: \$34,589

CC: \$240,161

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
PARIETTE FEDERAL 13-24 4304732546	12053	08S 17E 24	GRRV			445431		
PARIETTE FEDERAL 14-24 4304732645	12053	08S 17E 24	GRRV			"		
PARIETTE FEDERAL 24-24 4304732646	12053	08S 17E 24	GRRV			"		
BALCRON MONUMENT FEDERAL 24-25 4304732669	12053	08S 17E 25	GRRV			467845		
BALCRON MONUMENT FEDERAL 34-25 4304732670	12053	08S 17E 25	GRRV			"		
PARIETTE DRAW FEDERAL 8-23 4304732676	12053	08S 17E 23	GRRV			445431		
PARIETTE FEDERAL 23-24 4304732710	12053	08S 17E 24	GRRV			"		
PARIETTE FEDERAL 12-24 4304732713	12053	08S 17E 24	GRRV			"		
MONUMENT FEDERAL 13-4-9-16 4301331716	12054	09S 16E 4	GRRV			4473086		
MONUMENT FEDERAL 31-8-9-16 4301331721	12056	09S 16E 8	GRRV			44720255		
MONUMENT FEDERAL 31-6-9-16Y 4301331717	12060	09S 16E 6	GRRV			4474390		
MONUMENT FEDERAL 43-10-9-16 4301331723	12065	09S 16E 10	GRRV			4472107		
MONUMENT FEDERAL 44-6-9-16Y 4301331720	12066	09S 16E 6	GRRV			4474390		
<b>TOTALS</b>								

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

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_  
 Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

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

Inland Production Company

3. Address and Telephone No.

475 - 17th Street, Suite 1500, Denver, CO 80202 (303) 292-0900

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

See Attached Exhibit

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

See Attached

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

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>Change of Operator</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.)\*

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 BLM Bond No. UT0056 issued by The Hartford Insurance Group.

RECEIVED  
OCT 10 1997

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

Signed Chris A. Potter

**CHRIS A. POTTER, ATTORNEY-IN-FACT**

Date 9/30/97

(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.

RECEIVED

OCT 10 1997



October 7, 1997

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



RE: Change of Operator  
Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

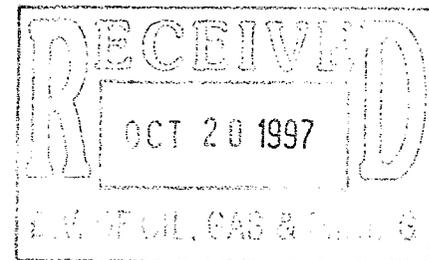
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

*Patsy Barreau*  
Patsy Barreau

/pb  
encls.





# United States Department of the Interior

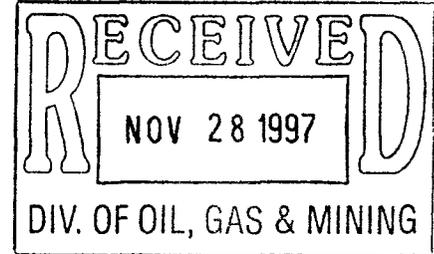
## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:  
3162.3  
UT08438

November 10, 1997



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

Re: <sup>43-013-31720</sup> Well No. Mon. Fed. 44-6-9-16Y  
SESE, Sec. 6, T9S, R16E  
Lease U-74390  
Duchesne County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager,  
Minerals Resources

cc: Division of Oil, Gas & Mining  
Equitable Resources Energy Company  
ABO Petro Corp  
Myco Industries Inc  
Yates Drilling Co.  
Yates Petro Corp

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ WALTON FEDERAL #1	SESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15792-00	UTU096550	UTU72086A
✓ WALTON FEDERAL #2	NWNE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15793-00	UTU096550	UTU72086A
WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ WALTON FEDERAL #4	SENW 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15795-00	UTU096550	UTU72086A
✓ ALLEN FEDERAL #31-6G	NWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31442-00	UTU020252A	
✓ BALCRON FEDERAL #21-13Y	NENW 139S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31400-00	UTU64805	
✓ BALCRON FEDERAL #21-25Y	NENW 259S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31394-00	UTU64380	
✓ BALCRON FEDERAL #44-14Y	SESE 149S 17E	UINTAH	UT	MONUMENT BUTTE (U)	43-047-32438-00	UTU64806	
✓ CASTLE PEAK FEDERAL #24-10A	SESW 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30555-00	UTU72107	
✓ CASTLE PEAK STATE #43-16	NESE 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30594-00		891008243C
✓ K. JORGENSON STATE #16-4	NESE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30572-00	ML-3453-B	
✓ STATE #16-2	NENE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30552-00	ML-3453-B	
✓ BALCRON FEDERAL #21-9Y	NENW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31396-00	UTU65207	
✓ BALCRON FEDERAL #41-21Y	NENE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31392-00	UTU64379	
✓ MONUMENT FEDERAL #31-6-9-16	NWNE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31717-00	UTU74390	
✓ MONUMENT FEDERAL #32-6-9-16Y	SW NE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31300-00	UTU74390	
✓ MONUMENT FEDERAL #42-6-9-16Y	SE NW 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31645-00	UTU74390	
✓ MONUMENT FEDERAL #41-6-9-16	NENE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31718-00	UTU74390	
✓ MONUMENT FEDERAL #31-8-9-16	NW NE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31721-00	UTU020255	
✓ MONUMENT FEDERAL #41-8-9-16	NENE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31619-00	UTU020255	
✓ MONUMENT FEDERAL #11-9-9-16	NW NW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31618-00	UTU020254	
✓ MONUMENT FEDERAL #33-6-9-16Y	NW SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31589-00	UTU74390	
✓ MONUMENT FEDERAL #43-6-9-16Y	NE SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31644-00	UTU74390	
✓ MONUMENT FEDERAL #44-6-9-16Y	SE SE 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31720-00	UTU74390	
✓ MONUMENT FEDERAL #31-18-9-16	NW NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31725-00	UTU74390	
✓ MONUMENT FEDERAL #41-18Y	NE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31646-00	UTU74390	
✓ MONUMENT FEDERAL #42-18Y	SE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31724-00	UTU74390	
✓ MONUMENT FEDERAL #31-21-9-16	NW NE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31726-00	UTU64379	
✓ MONUMENT FEDERAL #11-22Y	NW NW 229S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31647-00	UTU64379	
✓ MONUMENT FEDERAL #13-4-9-16	NW SW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31716-00	UTU73086	
✓ MONUMENT FEDERAL #14-4	SWSW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31666-00	UTU73086	
✓ MONUMENT FEDERAL #22-20-9-16	SE NW 209S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31681-00	UTU52018	
✓ MONUMENT FEDERAL #23-7-9-16	NESW 7 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31694-00	UTU74390	
✓ MONUMENT FEDERAL #24-17-9-16	SESW 179S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31682-00	UTU52018	
✓ MONUMENT BUTTE #34-31-8-16	SW SE 318S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31715-00	UTU74389	
✓ MONUMENT FEDERAL #33-10-9-16	NW SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31722-00	UTU72107	
✓ MONUMENT BUTTE #43-10-9-16	NE SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31723-00	UTU72107	
✓ CHORNEY FEDERAL #1-9	SWSE 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-30070-00	UTU5843	
✓ HENDEL FEDERAL #1	SWSW 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-20011-00	UTU058149	



**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



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.*

# OPERATOR CHANGE WORKSHEET

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

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

- 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

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES COMPANY</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</u>
	Phone: <u>(801) 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:

Name: <u>**SEE ATTACHED**</u>	API: <u>43-113-31720</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

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)*
2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 10-20-97)*
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: \_\_\_\_\_
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.
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(12-2-97)*
6. Cardex file has been updated for each well listed above. *(12-3-97)*
7. Well file labels have been updated for each well listed above. *(12-3-97)*
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. *(12-3-97)*
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**

- J  
ec 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.
- 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  
ec 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**

- N/A 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.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 12/5/97 19    , of their responsibility to notify all interest owners of this change.

**FILMING**

- VB 1. All attachments to this form have been microfilmed. Today's date: 3.16.98.

**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**

971202 Blm/Vernal Aprv. Nov. 10, 13 & 20, 1997.

**WEST POINT UNIT WELL LISTING**

AS OF 7/13/98

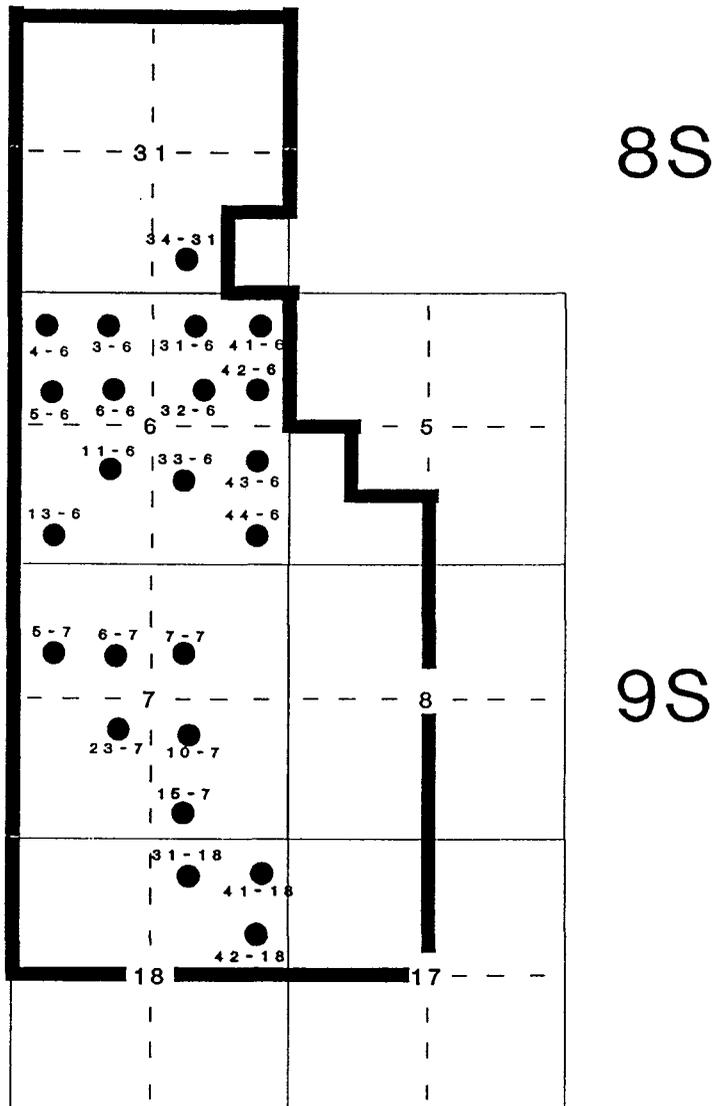
T. 8 & 9S, R. 16E

SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
6	WEST POINT UNIT	MON FED #31-6Y	PROD	4301331717	12060
6	WEST POINT UNIT	FED 32- <del>06</del> -09-16Y	PROD	43013317300	11211
6	WEST POINT UNIT	MON FED #42-6Y	PROD	4301331625	11947
6	WEST POINT UNIT	MON FED #43-6Y	PROD	4301331644	11960
6	WEST POINT UNIT	MON FED #33-6Y	PROD	4301331559	11933
*6	WEST POINT UNIT	FED 44- <del>06</del> -09-16Y	PROD	4301331720	12066
7	WEST POINT UNIT	MON FED #23-7X	PROD	4301331694	12019
18	WEST POINT UNIT	MON FED #41-18Y	PROD	4301331640	11941
18	WEST POINT UNIT	FED 31-18-9-16Y	PROD	4301331725	12104
18	WEST POINT UNIT	FED 42-18-09-16Y	PROD	4301331724	12124
31	WEST POINT UNIT	MON FED 34-31-8-16	PROD	4301331715	12067
6	WEST POINT UNIT	MON FED 41-6-9-16Y	PROD	4301331718	12043
6	WEST POINT UNIT	NINE MILE 3-6	PROD	4301331810	12264
6	WEST POINT UNIT	NINE MILE 11-6	PROD	4301331812	12266
6	WEST POINT UNIT	NINE MILE FEDERAL 15-6-9-16	PROD	4301332010	12327
7	WEST POINT UNIT	NINE MILE 6-7	PROD	4301331776	12290
7	WEST POINT UNIT	NINE MILE 10-7	PROD	4301331773	12286
7	WEST POINT UNIT	NINE MILE FEDERAL 12-7-9-16	PROD	4301332014	12328
6	WEST POINT UNIT	NINE MILE 4-6	PROD	4301331952	12282
6	WEST POINT UNIT	NINE MILE 5-6	PROD	4301331953	12288
6	WEST POINT UNIT	NINE MILE 13-6	PROD	4301331954	12284
6	WEST POINT UNIT	NINE MILE 6-6	PROD	4301331719	12289
7	WEST POINT UNIT	NINE MILE 5-7	PROD	4301331777	12291
7	WEST POINT UNIT	NINE MILE 7-7	PROD	4301331778	12292
7	WEST POINT UNIT	NINE MILE 15-7	PROD	4301331803	12287
7	WEST POINT UNIT	NINE MILE 2-7	PROD	4301332011	12316
7	WEST POINT UNIT	NINE MILE 3-7	PROD	4301332012	12313
7	WEST POINT UNIT	NINE MILE 4-7	PROD	4301332013	12325
	WEST POINT UNIT	NINE MILE 14-6	P&A	4301331999	

WEST POINT (GR) UNIT ENTITY 12418 EFF 6-1-98.

# WEST POINT (GREEN RIVER) UNIT Duchesne County, Utah

EFFECTIVE: JUNE 1, 1998



8S

9S

16E



UNIT OUTLINE (UTU77107X)

2,738.19 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100%

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 a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-74390**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**WEST POINT (GR RVR)**

8. Well Name and No.

**MONUMENT FEDERAL 44-6-9-16Y**

9. API Well No.

**43-013-31720**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

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

**0816 FSL 0725 FEL                      SE/SE Section 6, T09S R16E**

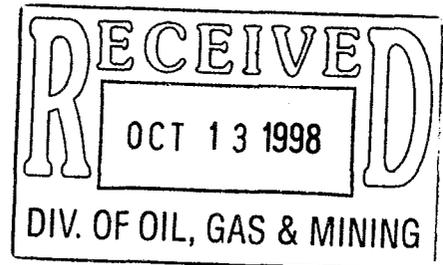
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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>Site Security</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 please find the site security diagram for the above referenced well.



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

Signed

*Lebbie E. Knight*

Title

Manager, Regulatory Compliance

Date

10/7/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**



**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 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

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

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

**0816 FSL 0725 FEL                      SE/SE Section 6, T9S R16E**

5. Lease Designation and Serial No.

**UTU-74390**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**WEST POINT (GR RVR)**

8. Well Name and No.

**MONUMENT FED 44-6-9-16Y**

9. API Well No.

**43-013-31720**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTA**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

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

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

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

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

Subject well had recompletion procedures initiated in the Green River formation on 3/22/03. Existing production equipment was pulled from well. A bit & scraper was ran in well. Well was cleaned out to 5842' (cmt btm). Four new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: CP .5 sds @ 5704'-5720' & CP2 sds @ 5777'-5781' (all 4 JSPF) fraced down 2 7/8 N-80 tbg W/ 75,300# 20/40 mesh sand in 556 bbls YF 125 fluid. Stage #2: B1 sds @ 5057'-5061' (4 JSPF) fraced down 5 1/2" 15.5# casing W/ 20,500# 20/40 mesh sand in 234 bbls YF 125 fluid. Stage #3: DS3 sds @ 4768'-4775' (4 JSPF) fraced down 5 1/2" 15.5# casing W/ 25.037# 20/40 mesh sand in 194 bbls YF 125 fluid (screened out W/ est 9,109# sd in formation). Stage #4: GB4 sds @ 4303'-4307', 4313'-4316' & 4323'-4326' (all 4 JSPF) fraced down 5 1/2" 15.5# casing W/ 23,044# 20/40 mesh sand in 280 bbls YF 125 fluid. All fracs were flowed back through chokes. Frac tbg and tools were pulled from well. New intervals were swab tested for sand cleanup (along with existing intervals). A revised BHA & production tbg string was ran in and anchored in well W/ tubing anchor @ 5662', pump seating nipple @ 5696' and end of tubing string @ 5758'. A repaired 1 1/2" bore rod pump was ran in well on sucker rods. Well was returned to production via rod pump on 4/3/2003.

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

Signed *Gary Dietz* Title Completion Foreman Date 4/5/2003  
Gary Dietz

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

**RECEIVED**

**APR 08 2003**



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

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



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

**FROM: (Old Operator):**  
 N5160-Inland Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**TO: ( New Operator):**  
 N2695-Newfield Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**CA No.**

**Unit:**

**WEST POINT (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON FED 34-31-8-16	31	080S	160E	4301331715	12418	Federal	WI	A
WEST POINT U 13-5-9-16	05	090S	160E	4301331766	12418	Federal	OW	P
MON FED 32-6-9-16Y	06	090S	160E	4301331300	12418	Federal	WI	A
MON FED 33-6-9-16Y	06	090S	160E	4301331589	12418	Federal	OW	S
MON FED 43-6-9-16Y	06	090S	160E	4301331644	12418	Federal	WI	A
MON FED 42-6-9-16Y	06	090S	160E	4301331645	12418	Federal	OW	P
MON FED 31-6-9-16Y	06	090S	160E	4301331717	12418	Federal	OW	P
MON FED 41-6-9-16Y	06	090S	160E	4301331718	12418	Federal	WI	A
NINE MILE 6-6	06	090S	160E	4301331719	12418	Federal	OW	P
MON FED 44-6-9-16Y	06	090S	160E	4301331720	12418	Federal	OW	P
WEST POINT U 12-6-9-16	06	090S	160E	4301331765	12418	Federal	OW	P
NINE MILE 11-6	06	090S	160E	4301331812	12418	Federal	WI	A
MON FED 23-7-9-16Y	07	090S	160E	4301331694	12418	Federal	WI	A
NINE MILE 10-7	07	090S	160E	4301331773	12418	Federal	OW	P
NINE MILE 6-7	07	090S	160E	4301331776	12418	Federal	OW	P
NINE MILE 5-7	07	090S	160E	4301331777	12418	Federal	WI	A
NINE MILE 7-7	07	090S	160E	4301331778	12418	Federal	WI	A
NINE MILE 15-7	07	090S	160E	4301331803	12418	Federal	WI	A
NINE MILE 16-7-9-16	07	090S	160E	4301331804	12418	Federal	OW	P
MON FED 41-18-9-16Y	18	090S	160E	4301331646	12418	Federal	WI	A
MON FED 42-18-9-16Y	18	090S	160E	4301331724	12418	Federal	OW	S
MON BUTTE FED 31-18-9-16Y	18	090S	160E	4301331725	12418	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

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

1. Federal well(s) covered by Bond Number: UT 0056

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

1. Indian well(s) covered by Bond Number: 61BSBDH2912

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> MON FED 44-6-9-16Y
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013317200000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0816 FSL 0725 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/22/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 05/21/2012. On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1500 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

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

Date: June 04, 2012

By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/25/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 5/22/12 Time 10:00  am  pm  
Test Conducted by: Dale Giles  
Others Present: \_\_\_\_\_

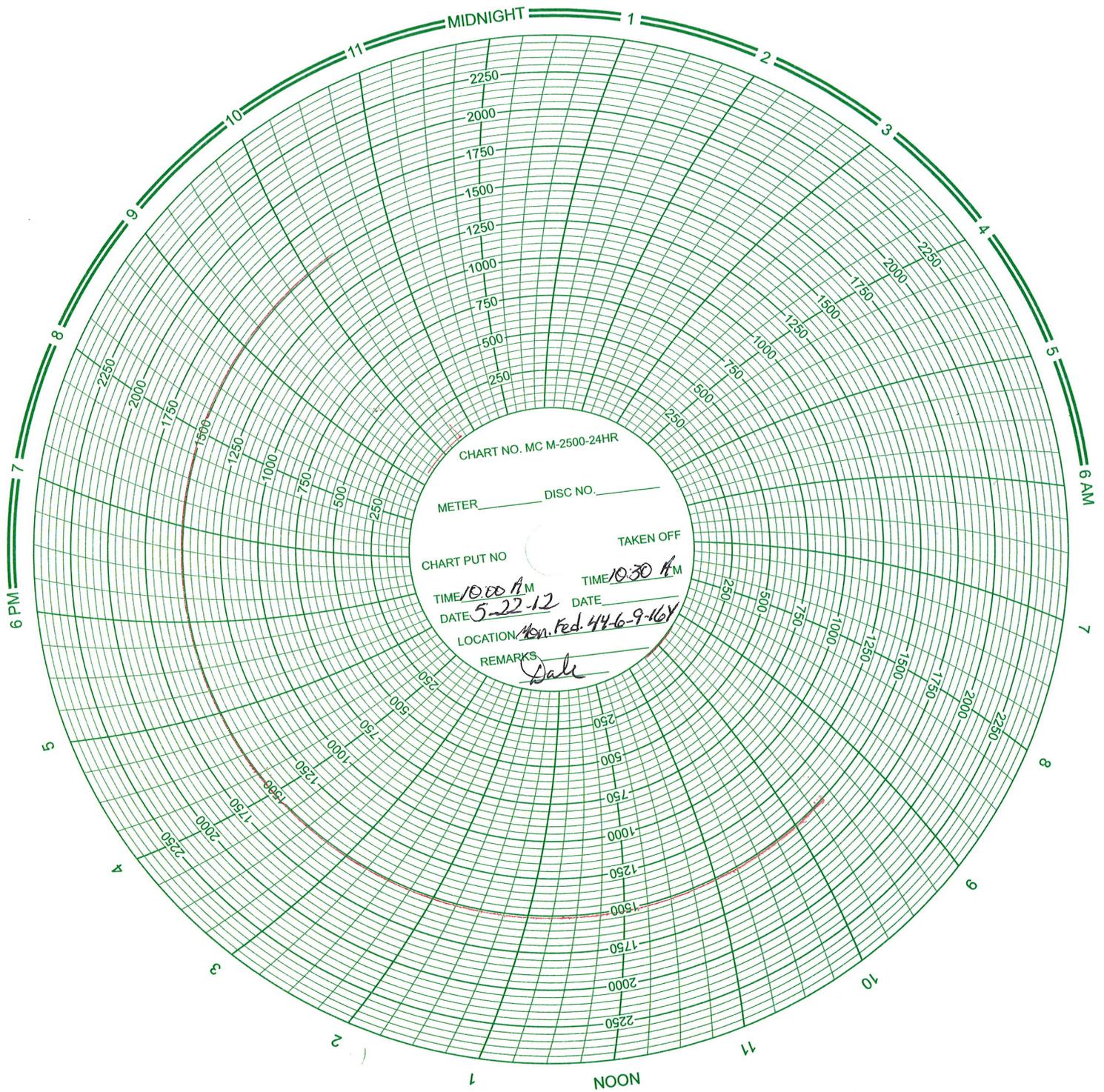
<b>Well:</b> <u>Monument Fed. 44-6-9-16Y</u>	<b>Field:</b> <u>Monument Butte</u>
<b>Well Location:</b> <u>SE/SE Sec. 6, T9S, R16E</u>	<b>API No:</b> <u>43-013-31720</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1500</u>	psig
5	<u>1500</u>	psig
10	<u>1500</u>	psig
15	<u>1500</u>	psig
20	<u>1500</u>	psig
25	<u>1500</u>	psig
30 min	<u>1500</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:  Pass  Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Dale Giles



## Daily Activity Report

Format For Sundry

MON 44-6Y-9-16

3/1/2012 To 7/30/2012

5/18/2012 Day: 1

Conversion

NC #1 on 5/18/2012 - MIRU NC#1,Wt On Benco To Pull Tst Anchors,R/D Unit,U/S pmp, Flush Tbg,Seat pmp,P/Tst Tbg To 3500 Psi,Good Tst.POOH L/D Rod Prod String & pmp,C/SDFN. - 8:30AM Move In NC#1, Spot Rig. Wt On Benco To Pull Test Guyline Anchors. R/U NC#1, BMW H/Oiler pmp 60 BW D/Csg, R/D Unit, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-2 BW, P/Test Tbg To 3,500 Psi Good Test. Unseat pmp, POOH L/D Rod Production String. H/Oiler Flush Tbg W/-40 BW On TOOHDue To Oil, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 8:30AM Move In NC#1, Spot Rig. Wt On Benco To Pull Test Guyline Anchors. R/U NC#1, BMW H/Oiler pmp 60 BW D/Csg, R/D Unit, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-2 BW, P/Test Tbg To 3,500 Psi Good Test. Unseat pmp, POOH L/D Rod Production String. H/Oiler Flush Tbg W/-40 BW On TOOHDue To Oil, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 8:30AM Move In NC#1, Spot Rig. Wt On Benco To Pull Test Guyline Anchors. R/U NC#1, BMW H/Oiler pmp 60 BW D/Csg, R/D Unit, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-2 BW, P/Test Tbg To 3,500 Psi Good Test. Unseat pmp, POOH L/D Rod Production String. H/Oiler Flush Tbg W/-40 BW On TOOHDue To Oil, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$7,504

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5/19/2012 Day: 2

Conversion

NC #1 on 5/19/2012 - POOH W/-Tbg Prod, Breaking & Redoping Tool Jts,L/D Excess Tbg,RIH W/-S/N,Pkr,135 Jts Tbg,pmp Pad Drop S/V, P/Tst Tbg. C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, N/D W/-HD, N/U BOP, R/U R/Flr, BMW H/Oiler Flush Tbg W/-20 BW Due To Oil. Rel T/A, POOH W/-135 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, L/D 44 Jts Tbg, T/A, 1 Jt Tbg,S/N, 1 Jt Tbg, N.C. On Float. Flushed Tbg W/-60 BW On TOOHDue To Oil. P/U & RIH W/-2 3/8 S/N, 5 1/2" Arrow # 1 Pkr, On Off Tool, 138 Jts 2 7/8 Tbg,pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg, P/Test Tbg To 3000 Psi Ovr Night, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, N/D W/-HD, N/U BOP, R/U R/Flr, BMW H/Oiler Flush Tbg W/-20 BW Due To Oil. Rel T/A, POOH W/-135 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, L/D 44 Jts Tbg, T/A, 1 Jt Tbg,S/N, 1 Jt Tbg, N.C. On Float. Flushed Tbg W/-60 BW On TOOHDue To Oil. P/U & RIH W/-2 3/8 S/N, 5 1/2" Arrow # 1 Pkr, On Off Tool, 138 Jts 2 7/8 Tbg,pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg, P/Test Tbg To 3000 Psi Ovr Night, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$15,190

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5/21/2012 Day: 3

Conversion

NC #1 on 5/21/2012 - Chek Tbg Psi 3,000 Psi Good Tst. Fish SV,N/D BOP,pmp 70 BW W/-20 Gal Pkr Fluid D/Csg,Set Pkr,N/U W/-HD,P/Tst Csg & Pkr To 1,500 Psi,Good Test. R/D Rig. Well

Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. BMW H/Oiler pmp 70 BW W/-20 Gal Pkr Fluid D/Csg. N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. Rack Out Eq, R/D Rig @11:30AM , Well Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. BMW H/Oiler pmp 70 BW W/-20 Gal Pkr Fluid D/Csg. N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. Rack Out Eq, R/D Rig @11:30AM , Well Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. BMW H/Oiler pmp 70 BW W/-20 Gal Pkr Fluid D/Csg. N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. Rack Out Eq, R/D Rig @11:30AM , Well Ready For MIT ( Final Rig Report ). **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$26,360

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**5/23/2012 Day: 4**

**Conversion**

Rigless on 5/23/2012 - Conduct initial MIT - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1500 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1500 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1500 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$103,680

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>1. TYPE OF WELL</b> Water Injection Well	
<b>8. WELL NAME and NUMBER:</b> MON FED 44-6-9-16Y	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	
<b>9. API NUMBER:</b> 43013317200000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	
<b>PHONE NUMBER:</b> 435 646-4825 Ext	
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0816 FSL 0725 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Put on Injection"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/21/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

The above reference well was put on injection at 2:00 PM on 06/21/2012.

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

**Date:** June 28, 2012

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/22/2012	



January 10, 2011

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Monument Federal #44-6Y-9-16  
Monument Butte Field, Lease #UTU-74390  
Section 6-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Monument Federal # 44-6Y-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long, sweeping horizontal line extending to the right.

Eric Sundberg  
Regulatory Lead

**RECEIVED**  
**JAN 13 2011**  
**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT FEDERAL #44-6Y-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74390**  
**JANUARY 10, 2011**

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: Monument Federal #44-6Y-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-74390  
Well Location: QQ SESE section 6 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? ..... Yes  No   
Will the proposed well be used for: Enhanced Recovery? ..... Yes  No   
Disposal? ..... Yes  No   
Storage? ..... Yes  No   
Is this application for a new well to be drilled? ..... Yes  No   
If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes  No   
Date of test: \_\_\_\_\_  
API number: 43-013-31720

Proposed injection interval: from 4121 to 5868  
Proposed maximum injection: rate 500 bpd pressure 1767 psig  
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

**IMPORTANT:** Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

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

Name: Eric Sundberg Signature   
Title Regulatory Lead Date 1/11/11  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Monument Federal 44-6-9-16

Spud Date: 12/29/96  
 Put on Production: 4/3/03  
 GL: 5861' KB: 5875'

Initial Production: 17.5 BOPD,  
 43.1 MCFPD, .25 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (246')  
 DEPTH LANDED: 256'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. Cement to surface.

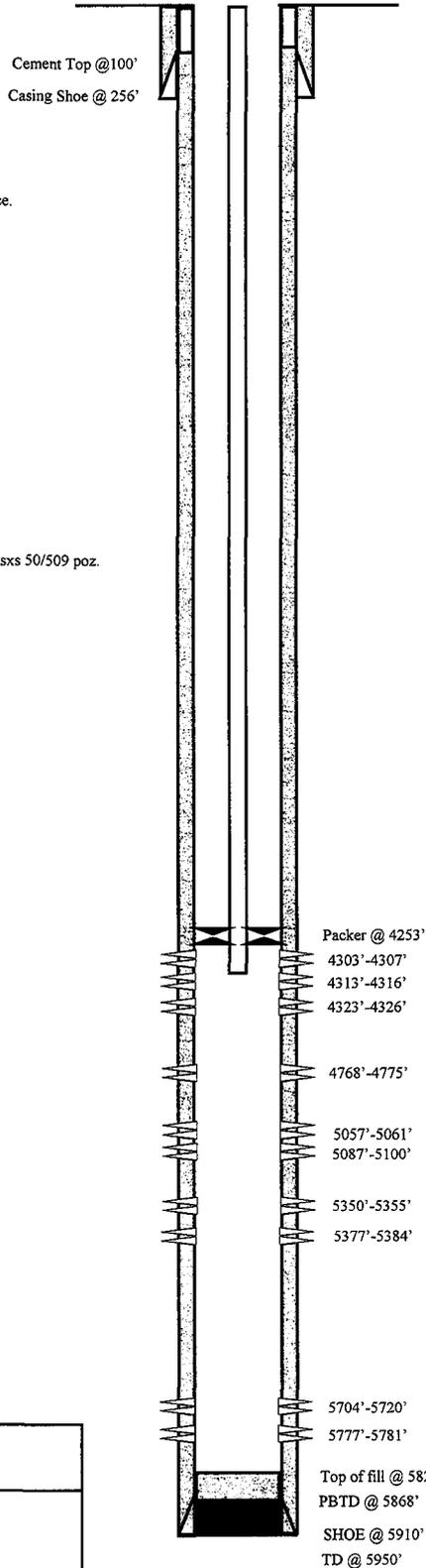
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5900')  
 DEPTH LANDED: 5910'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 305 sxs premium lite cement, tail w/385 sxs 50/509 poz.  
 TOP OF CEMENT: 100' per CBL.

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 156 jts (4820.57')  
 NO. OF JOINTS: 24 jts new tbg (794.36')  
 TUBING ANCHOR: 5624.93'  
 NO. OF JOINTS: 1 jt (31.48')  
 SN LANDED AT: 5656.41'  
 NO. OF JOINTS: 1 jts (33.13')  
 TOTAL STRING LENGTH: EOT @ 5691.09'

## Proposed Injection Wellbore Diagram



## FRAC JOB

1/9/97	5350'-5384'	14,110# 20/40 sand + 26,520# 16/30 sand in 346 bbls 2% KCL wtr. Avg. treating press. 1950 psi, @ 26.3 bpm, ISIP: 1950 psi. Calc. flush: 5350 gal. Actual flush: 5334 gal.
1/13/97	5087'-5100'	11,430# 20/40 sand + 28,020# 16/30 sand in 343 bbls 2% KCL wtr. Avg. treating press. 1900 psi, @ 26.2 bpm, ISIP: 1800 psi. Calc. flush: 5087 gal. Actual flush: 5040 gal.
2/6/02		Tubing leak. Update rod and tubing details.
1/8/03		Pump Change. Update rod details.
3/24/03	5704'-5781'	<b>Frac CP sands as follows:</b> 75,300# 20/40 sand in YF 125 fluid. Treated @ avg. press. 4386 psi, with avg. rate of 17.2 bpm, ISIP: 2028 psi. Calc. flush: 1490 gal. Actual flush: 1387 gal.
3/26/03	5057'-5061'	<b>Frac B1 sands as follows:</b> 20,500# 20/40 sand in YF 125 fluid. Treated @ avg. press. 2668 psi, with avg. rate of 18.8 bpm, ISIP: 2020 psi. Calc. flush: 5057 gal. Actual flush: 4938 gal.
3/26/03	4768'-4775'	<b>Frac DS3 sands as follows:</b> 9,109# 20/40 sand in YF 125 fluid. Treated @ avg. press. 2636 psi, with avg. rate of 15.8 bpm, Screened out, ISIP: NA psi. Calc. flush: 4768 gal. Actual flush: 2058 gal.
3/27/03	4303'-4326'	<b>Frac GB sands as follows:</b> 23,044# 20/40 sand in YF 125 fluid. Treated @ avg. press. 1669 psi, with avg. rate of 18.0 bpm, ISIP: 1880 psi. Calc. flush: 4303 gal. Actual flush: 4201 gal.
9/10/03		Stuck Plunger. Update rod details.
11/04/03		Tubing Leak : Update rod and tubing report.
12-12-07		Pump Change. Updated rod & tubing details.
2/6/09		Pump Change. Updated r & t detail.

## PERFORATION RECORD

1/08/97	5350'-5355'	4 SPF	20 holes
1/08/97	5377'-5384'	4 SPF	28 holes
1/13/97	5087'-5100'	4 SPF	52 holes
3/24/03	5777'-5781'	4 SPF	16 holes
3/24/03	5704'-5720'	4 SPF	64 holes
3/26/03	5087'-5100'	4 SPF	52 holes
3/26/03	5057'-5061'	4 SPF	16 holes
3/27/03	4768'-4775'	4 SPF	28 holes
3/27/03	4323'-4326'	4 SPF	12 holes
3/27/03	4313'-4316'	4 SPF	12 holes
3/27/03	4303'-4307'	4 SPF	16 holes

**NEWFIELD**

**Monument Federal #44-6-9-16Y**

816' FSL & 725' FEL  
 SESE Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31720; Lease #UTU-74390

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
  
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**
  - 2.1 **The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202
  
  - 2.2 **A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.
  
  - 2.3 **A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Federal # 44-6Y-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.
  
  - 2.4 **A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.
  
  - 2.5 **The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Monument Federal # 44-6Y-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4121' - 5868'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3786' and the TD is at 5950'.
  
  - 2.6 **A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Federal # 44-6Y-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74390) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 256' KB, and 5-1/2", 15.5# casing run from surface to 5910' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1767 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Federal # 44-6Y-9-16, for existing perforations (4303' - 5781') calculates at 0.79 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1767 psig. We may add additional perforations between 3786' and 5950'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Federal # 44-6Y-9-16, the proposed injection zone (4121' - 5868') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-14.

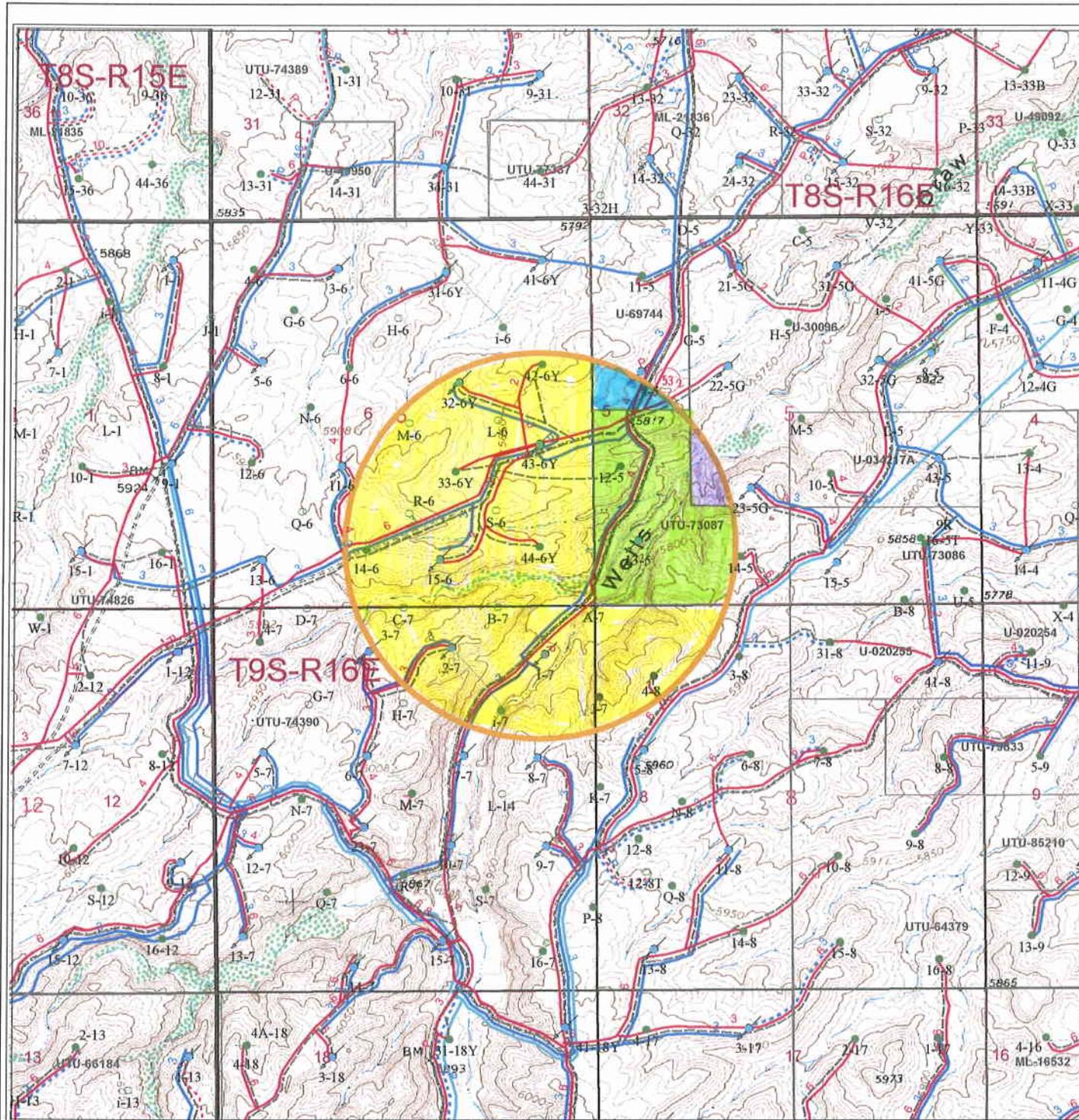
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



- 44-6Y-9-16 1/2mile radius
- Well Status**
- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- ★ Producing Gas Well
- ↗ Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Countyline
- Injection system**
- high pressure
- low pressure
- - - - proposed
- return
- - - - return proposed
- Leases
- Mining tracts
- Gas Pipelines**
- Gathering lines
- - - - Proposed lines

- UTU-74890
- UTU-73087
- UTU-69744
- UTU-30096

Monument 44-6y  
Section 6, T9S-R16E



**NEWFIELD**  
ROCKY MOUNTAINS



1" = 2000'

**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

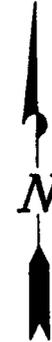
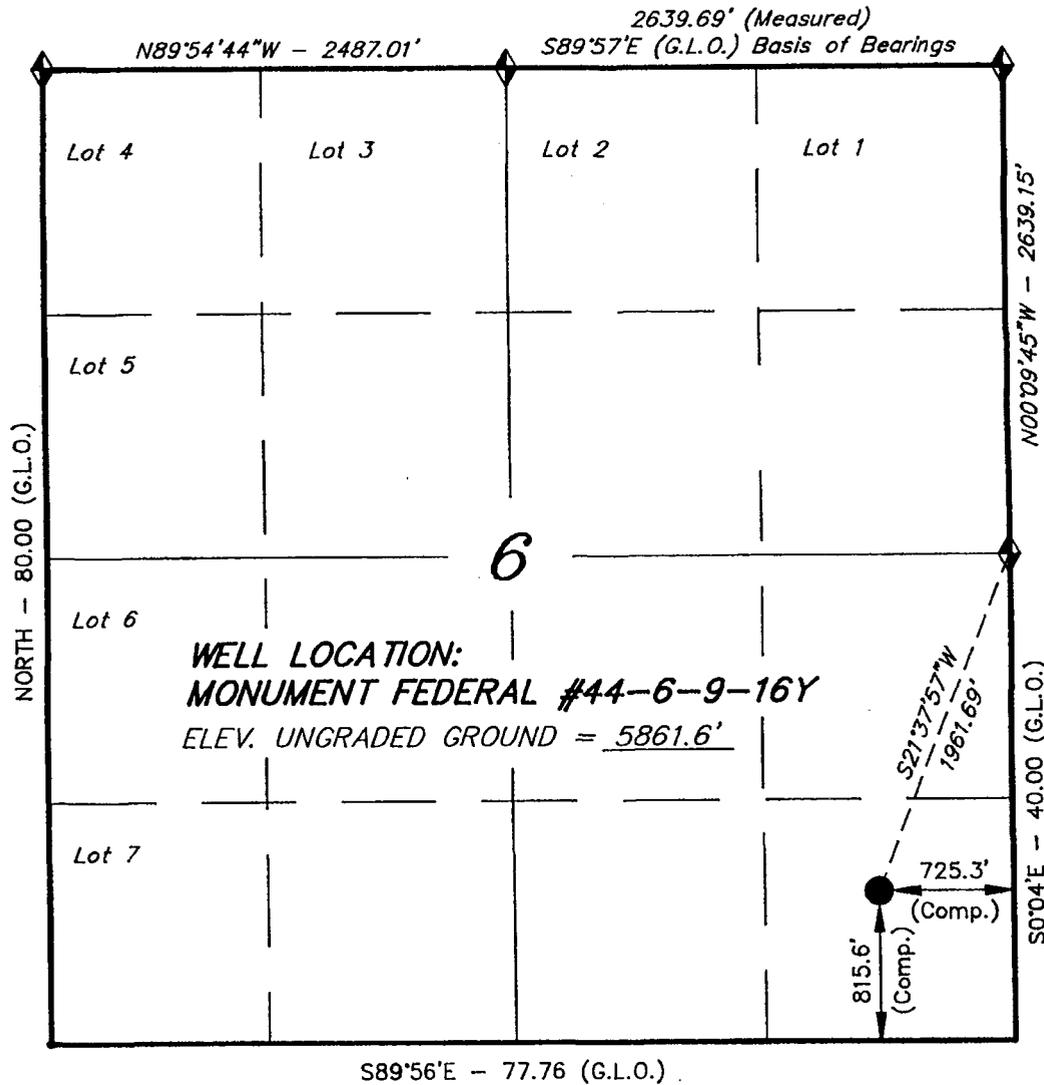
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

October 5, 2010

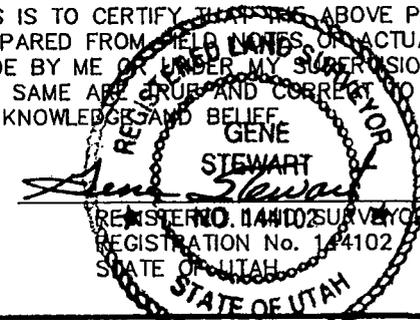
## T9S, R16E, S.L.B.&M.

### EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, MONUMENT FEDERAL #44-6-9-16Y, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 6, T9S, R16E, S.L.B.&M. DUCHESNE 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

◆ = SECTION CORNERS LOCATED

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

SCALE: 1" = 1000'

SURVEYED BY: G.S. D.S.

DATE: 8-30-96

WEATHER: WARM

NOTES:

FILE #

## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>T9S,R16E SLM</u> Section 6: ALL Section 7: ALL Section 8: W2 Section 17: NW Section 18: Lots 1-2 (W2NW), E2NW, NE	USA UTU-74390 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation Yates Drilling Company Abo Petroleum Corporation Myco Industries Inc.	USA
2	<u>T9S,R16E SLM</u> Section 5: W2SW, SESW	USA UTU-73087 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>T9S,R16E SLM</u> Section 5: Lot 4, SWNW	USA UTU-69744 HBP	Newfield Production Company Newfield RMI LLC HC Buie James Fischer Four M. Company Z. Greenberg, Trustee Michael D. Lewis Thomas K. Lowe Ralph Massad Estate Margaret Merrit Ray B. Powers Jr.	USA
4	<u>T9S,R16E SLM</u> Section 4: Lots 1-4, S2N2 Section 5: Lots 1-3, S2NE, SENW, NESW	USA UTU-30096 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Federal # 44-6Y-9-16

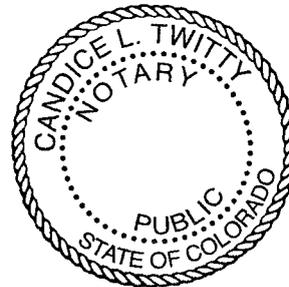
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 11<sup>th</sup> day of January, 2011.

Notary Public in and for the State of Colorado: 

My Commission Expires 02/10/2013



## Monument Federal 44-6-9-16

Spud Date: 12/29/96  
 Put on Production: 4/3/03  
 GL: 5861' KB: 5875'

Initial Production: 17.5 BOPD,  
 43.1 MCFPD, .25 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (246')  
 DEPTH LANDED: 256'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. Cement to surface.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5900')  
 DEPTH LANDED: 5910'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 305 sxs premium lite cement, tail w/385 sxs 50/509 poz.  
 TOP OF CEMENT: 100' per CBL.

### TUBING

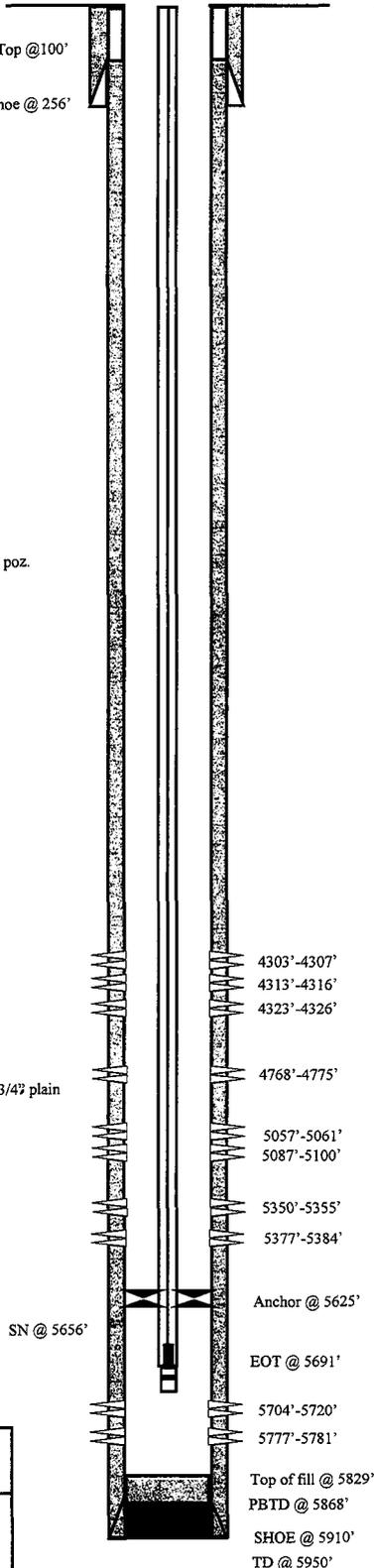
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 156 jts (4820.57')  
 NO. OF JOINTS: 24 jts new tbg (794.36')  
 TUBING ANCHOR: 5624.93'  
 NO. OF JOINTS: 1 jt (31.48')  
 SN LANDED AT: 5656.41'  
 NO. OF JOINTS: 1 jts (33.13')  
 TOTAL STRING LENGTH: EOT @ 5691.09'

### SUCKER RODS

POLISHED ROD: 1-1/4" x 26'  
 SUCKER RODS: 6-1-1/2" weight bars, 34 - 3/4" scraped rods, 97 - 3/4" plain rods, 89 - 3/4" scraped rods, 2', 8' x 3/4" pony  
 PUMP SIZE: 2-1/2" x 1-1/2" x 11' x 14' RHAC  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 5 SPM

### FRAC JOB

1/9/97	5350'-5384'	14,110# 20/40 sand + 26,520# 16/30 sand in 346 bbls 2% KCL wtr. Avg. treating press. 1950 psi, @ 26.3 bpm, ISIP: 1950 psi. Calc. flush: 5350 gal. Actual flush: 5334 gal.
1/13/97	5087'-5100'	11,430# 20/40 sand + 28,020# 16/30 sand in 343 bbls 2% KCL wtr. Avg. treating press. 1900 psi, @ 26.2 bpm, ISIP: 1800 psi. Calc. flush: 5087 gal. Actual flush: 5040 gal.
2/6/02		Tubing leak. Update rod and tubing details.
1/8/03		Pump Change. Update rod details.
3/24/03	5704'-5781'	<b>Frac CP sands as follows:</b> 75,300# 20/40 sand in YF 125 fluid. Treated @ avg. press. 4386 psi, with avg. rate of 17.2 bpm, ISIP: 2028 psi. Calc. flush: 1490 gal. Actual flush: 1387 gal.
3/26/03	5057'-5061'	<b>Frac B1 sands as follows:</b> 20,500# 20/40 sand in YF 125 fluid. Treated @ avg. press. 2668 psi, with avg. rate of 18.8 bpm, ISIP: 2020 psi. Calc. flush: 5057 gal. Actual flush: 4938 gal.
3/26/03	4768'-4775'	<b>Frac DS3 sands as follows:</b> 9,109# 20/40 sand in YF 125 fluid. Treated @ avg. press. 2636 psi, with avg. rate of 15.8 bpm, Screened out, ISIP: NA psi. Calc. flush: 4768 gal. Actual flush: 2058 gal.
3/27/03	4303'-4326'	<b>Frac GB sands as follows:</b> 23,044# 20/40 sand in YF 125 fluid. Treated @ avg. press. 1669 psi, with avg. rate of 18.0 bpm, ISIP: 1880 psi. Calc. flush: 4303 gal. Actual flush: 4201 gal.
9/10/03		Stuck Plunger. Update rod details.
11/04/03		Tubing Leak : Update rod and tubing report.
12-12-07		Pump Change. Updated rod & tubing details.
2/6/09		Pump Change. Updated r & t detail.



### PERFORATION RECORD

1/08/97	5350'-5355'	4 SPF	20 holes
1/08/97	5377'-5384'	4 SPF	28 holes
1/13/97	5087'-5100'	4 SPF	52 holes
3/24/03	5777'-5781'	4 SPF	16 holes
3/24/03	5704'-5720'	4 SPF	64 holes
3/26/03	5087'-5100'	4 SPF	52 holes
3/26/03	5057'-5061'	4 SPF	16 holes
3/27/03	4768'-4775'	4 SPF	28 holes
3/27/03	4323'-4326'	4 SPF	12 holes
3/27/03	4313'-4316'	4 SPF	12 holes
3/27/03	4303'-4307'	4 SPF	16 holes

**NEWFIELD**

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**Monument Federal #44-6-9-16Y**

816' FSL & 725' FEL  
 SESE Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31720; Lease #UTU-74390

## West Point Federal #12-5-9-16

Spud Date: 10/23/00  
 Put on Production: 1/23/01  
 GL: 5815' KB: 5825'

Initial Production: 175 BOPD,  
 145 MCFD, 17 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 303'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class "G" with additives.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 5991'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx PremLite II with additives, followed by 580 sx 50/50 Pozmix.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5531.49')  
 TUBING ANCHOR: 5541.49' KB  
 NO. OF JOINTS: 1 jts (5544.27')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5575.59' KB  
 NO. OF JOINTS: 1 jts (5576.69')  
 TOTAL STRING LENGTH: EOT @ 5608.08'

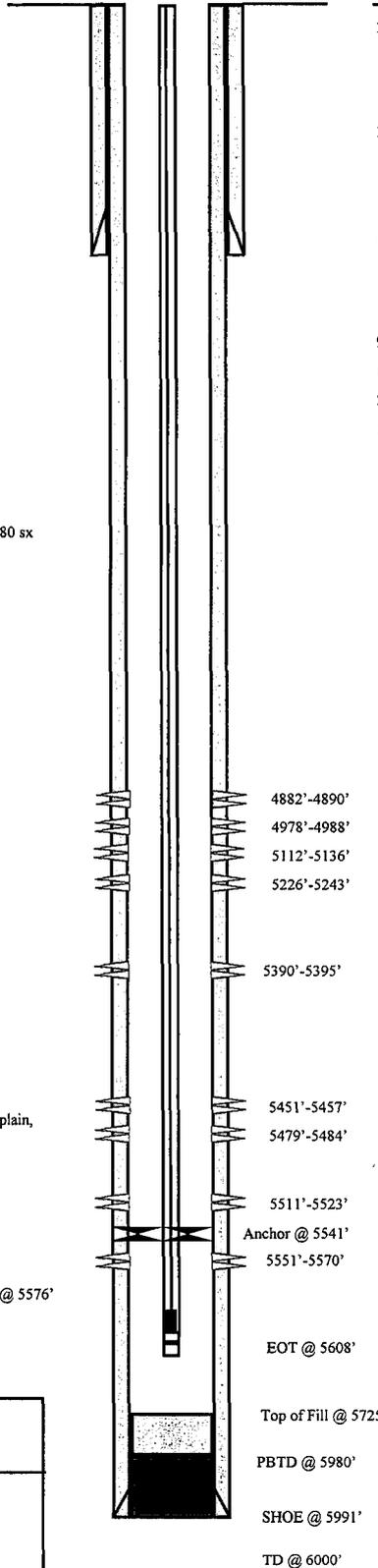
#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-1 1/2" weight bars; 27-3/4" scraped rods; 105-3/4" plain, 88-3/4" scraped rods, 1-2", 1-4", 1-6" x 3/4" pony rods.  
 PUMP SIZE: 1-1/2" x 2-1/2" x 14' RHAC pump  
 STROKE LENGTH: 52"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DLL-MSFL, FDC-CNL

SN @ 5576'

#### FRAC JOB

1/24/01	5390'-5570'	<b>Frac LDC sands as follows:</b> 213,180# 20/40 sand in 1375 bbls Viking I-25 fluid. Treated w/ avg. press of 2700 psi @ 36.5 BPM. ISIP 2750 psi. Calc. flush: 5390 gal. Actual flush: 5355 gal.
1/25/01	5112'-5243'	<b>Frac A/B sands as follows:</b> 227,120# 20/40 sand in 1452 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ 31.2 BPM. ISIP 2120 psi. Calc. flush: 5112 gal. Actual flush: 5040 gal.
1/26/01	4882'-4988'	<b>Frac D/C sands as follows:</b> 83,000# 20/40 sand in 577 bbls Viking I-25 fluid. Treated w/ avg press of 1800 psi @ 30 BPM. ISIP 2135 psi. Calc. flush: 4882 gal. Actual flush: 4788 gal.
9/24/01		Pump change. Update rod and tubing details.
11/24/03		Pump Change. Update rod and tubing detail.
2/27/04		Tubing leak. Update rod and tubing detail.
12/22/04		Pump Change. Update rod and tubing details.



#### PERFORATION RECORD

Date	Depth Range	Holes
1/23/01	5390'-5395'	20 holes
1/23/01	5451'-5457'	24 holes
1/23/01	5479'-5484'	20 holes
1/23/01	5511'-5523'	48 holes
1/23/01	5551'-5570'	76 holes
1/24/01	5226'-5243'	68 holes
1/24/01	5112'-5136'	96 holes
1/25/01	4978'-4988'	40 holes
1/25/01	4882'-4890'	32 holes

**NEWFIELD**

West Point #12-5-9-16  
 1909' FSL & 377' FWL  
 NW/SW Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31933; Lease #UTU-73087

## West Point Federal #13-5-9-16

Spud Date: 11/06/00  
 Put on Production: 1/22/01  
 GL: 5775' KB: 5785'

Initial Production: 312 BOPD,  
 291 MCFD, 39 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 315'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class "G".

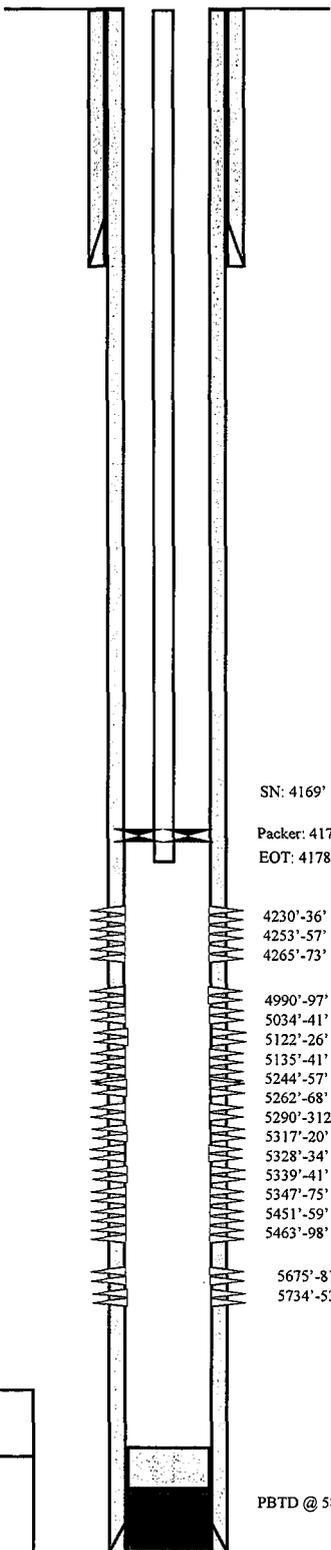
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 5935'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx PremLite II with additives; followed by 560 sx 50/50 Pozmix plus additives.

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5# / 8rd  
 NO. OF JOINTS: 129 jts (4159.45)  
 SEATING NIPPLE: 1.10'  
 SN LANDED AT: 4169.45' KB  
 TOTAL STRING LENGTH: EOT @ 4178.05'

### Injection Wellbore Diagram



### FRAC JOB

1/12/01	5675'-5753'	Frac CP.5 & CP2 sands with 101,120# 20/40 sand in 699 bbls Viking I-25 fluid. Perfs broke back @ 3434 psi @ 4 BPM. Avg. pressure 2050 psi w/avg. rate of 29.9 BPM. ISIP 2330 psi. Left pressure on well.
1/12/01	5451'-5498'	Frac LODC1 sds w/194,620# of 20/40 sand in 1245 bbls Viking I-25 fluid. Perfs broke @ 4011 psi. Treated @ avg press of 2680 psi, w/avg rate of 37.8 BPM. ISIP 2440 psi. Left press on well.
1/15/01	5244'-5375'	Frac A3 & LODC2 sands with 24,000 gals of Viking I-25 pad & 49,316 gals of Viking I-25 fluid with 321,700# of 20/40 sand. Pressure 2640 psi max; 2400 psi avg at 36 BPM. ISIP 2650 psi.
1/15/01	4990'-5141'	Frac B1 & A5 sand with 16,170 gals of Viking I-25 fluid with 97,700# 20/40 sand. 2250 psi max pressure, with avg rate of 28 BPM. Note: had to SD 173 bbls into 6.5 ppg stage (277 bbls) for repairs. Down est. 8 min - resume treatment. Flowed back frac; start flow back @ 5 pm; end @ 7:45 pm, at rate of 1 BPM. 564 BLTR.
1/16/01	4230'-4273'	Frac GB4 sds w/74,000# 20/40 sand in 507 bbls Viking I-25 fluid. Perfs broke @ 4393 psi. Treated @ avg press of 2200 psi, w/avg rate of 26.7 BPM. ISIP 2600 psi. Start immed. flowback on 12/64" choke @ 1 BPM. flowback 4 hrs & died. Rec. 220 BTF.
1/6/06		Well converted to an Injection well.
1/26/06		MIT completed and submitted.

### PERFORATION RECORD

1/16/01	4230'-4236'	24 holes
1/16/01	4253'-4257'	16 holes
1/16/01	4265'-4273'	32 holes
1/15/01	4990'-4997'	28 holes
1/15/01	5034'-5041'	28 holes
1/15/01	5122'-5126'	16 holes
1/15/01	5135'-5141'	24 holes
1/12/01	5244'-5257'	52 holes
1/12/01	5262'-5268'	24 holes
1/12/01	5290'-5312'	88 holes
1/12/01	5317'-5320'	12 holes
1/12/01	5328'-5334'	24 holes
1/12/01	5339'-5341'	8 holes
1/12/01	5347'-5375'	112 holes
1/12/01	5451'-5459'	32 holes
1/12/01	5463'-5498'	140 holes
1/11/01	5675'-5681'	24 holes
1/11/01	5734'-5753'	76 holes

**NEWFIELD** Newfield Production

West Point Federal #13-5-9-16  
 887' FSL, 59.5' FWL  
 SW/SW Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31766; Lease #UTU-73087

## West Point 14-5-9-16

Spud Date: 6/25/02  
Put on Production: 8/17/02

GL: 5840' KB: 5850'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (303.36')  
DEPTH LANDED: 311.36' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts. (5933.26')  
DEPTH LANDED: 5928.86' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 774' per CBL

### TUBING

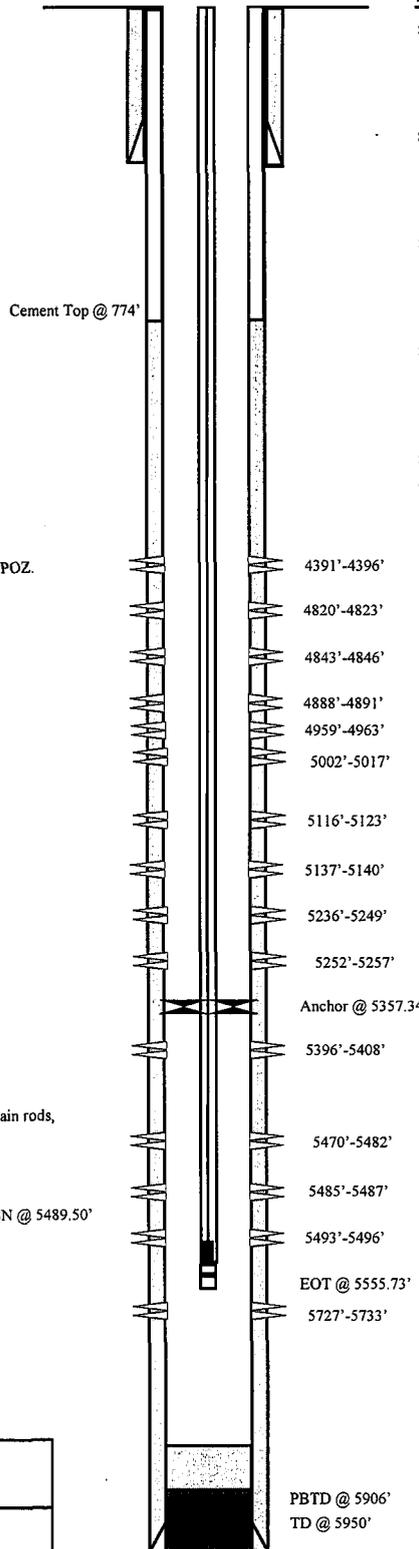
SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 166 jts (5347.34')  
TUBING ANCHOR: 5357.34'  
NO. OF JOINTS: 4 jts (129.41')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5489.50'  
NO. OF JOINTS: 2 jts (64.68')  
TOTAL STRING LENGTH: EOT @ 5555.73'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod  
SUCKER RODS: 1-4" x 3/4" pony, 99- 3/4" scraped rods, 92-3/4" plain rods, 22- 3/4" scraped rods, 6- 1/2 weight rods  
PUMP SIZE: Randy's 2-1/2" x 1-1/2" x 15' RHAC W/ sm Plunger  
STROKE LENGTH: 76"  
PUMP SPEED, SPM: 5 SPM

SN @ 5489.50'

Wellbore Diagram



Initial Production: 73 BOPD,  
121 MCFD, 30 BWPD

### FRAC JOB

8/14/02	5396'-5733'	<b>Frac LODC &amp; CP1 sand as follows:</b> 147,942# 20/40 sand in 1008 bbls Viking I-25 fluid. Treated @ avg press of 2000 psi w/avg rate of 28.3 BPM. ISIP 2900 psi. Calc flush: 5396 gal. Actual flush: 5313 gal.
8/14/02	5116'-5257'	<b>Frac B2, A 0.5 sand as follows:</b> 99,751# 20/40 sand in 707 bbls Viking I-25 fluid. Treated @ avg press of 1950 psi w/avg rate of 28.3 BPM. ISIP 2000 psi. Calc flush: 5116 gal. Actual flush: 5040 gal.
8/14/02	4820'-5017'	<b>Frac D &amp; C sand as follows:</b> 79,058# 20/40 sand in 582 bbls Viking I-25 fluid. Treated @ avg press of 1900 psi w/avg rate of 28 BPM. ISIP 2100 psi. Calc flush: 4820 gal. Actual flush: 4704 gal.
8/14/02	4391'-4396'	<b>Frac GB6 sand as follows:</b> 25,395# 20/40 sand in 257 bbls Viking I-25 fluid. Treated @ avg press of 2650 psi w/avg rate of 24 BPM. ISIP 2280 psi. Calc flush: 4391 gal. Actual flush: 4284 gal.
8/10/07		Stuck pump. Updated rod & tubing detail.
7/17/08		Pump change. Updated rod and tubing detail

### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
8/13/02	5727'-5733'	4 JSPF	24 holes
8/13/02	5493'-5496'	4 JSPF	12 holes
8/13/02	5485'-5487'	4 JSPF	08 holes
8/13/02	5470'-5482'	4 JSPF	48 holes
8/13/02	5396'-5408'	4 JSPF	48 holes
8/14/02	5252'-5257'	4 JSPF	20 holes
8/14/02	5236'-5249'	4 JSPF	52 holes
8/14/02	5137'-5140'	4 JSPF	12 holes
8/14/02	5116'-5123'	4 JSPF	28 holes
8/14/02	5002'-5017'	4 JSPF	60 holes
8/14/02	4959'-4963'	4 JSPF	16 holes
8/14/02	4888'-4891'	4 JSPF	12 holes
8/14/02	4843'-4846'	4 JSPF	12 holes
8/14/02	4820'-4823'	4 JSPF	12 holes
8/14/02	4391'-4396'	4 JSPF	20 holes

**NEWFIELD**

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**West Point #14-5-9-16**

660' FSL & 1980' FWL

SESW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-32328; Lease #UTU-73087

## Nine Mile #15-6-9-16

Spud Date: 4/10/98

Put on Production: 5/18/98  
GL: 5919' KB: 5931'

Initial Production: 53 BOPD,  
60 MCFPD, 30 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (289')  
DEPTH LANDED: 306'(GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls cmt to surf.

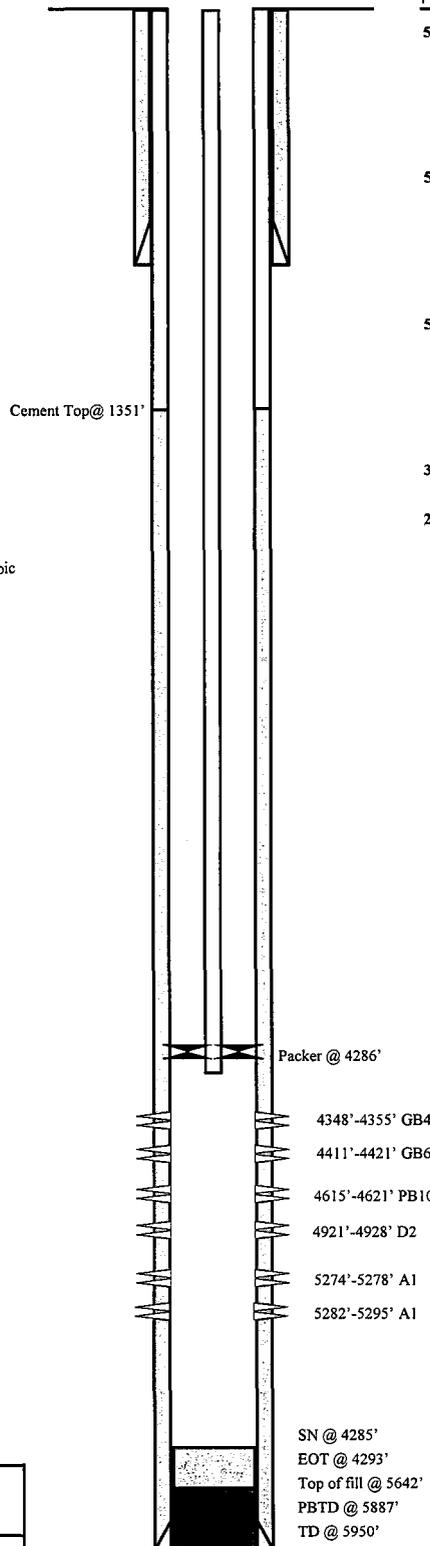
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5930')  
DEPTH LANDED: 5941'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 410 sk Hibond 65 mixed & 370 sxs thixotropic  
CEMENT TOP AT: 1351' CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55 tbg.  
NO. OF JOINTS: 137 jts. (4273.11')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4285.11'  
TUBING PACKER: 4289.21'  
TOTAL STRING LENGTH: EOT @ 4293.52'

### Injection Wellbore Diagram



### FRAC JOB

5/9/98 5274'-5295' **Frac A-1 sands as follows:**  
104,780# 20/40 sand in 516 bbls Viking I-25 fluid. Perfs brokedown @ 3150 psi. Treated @ avg press of 1600 psi w/avg rate of 28 bpm. ISIP: 2050 psi, 5-min 1744 psi. Flowback on 12/64" choke for 3.5 hours and died.

5/12/98 4921'-4928' **Frac D-2 sand as follows:**  
104,500# of 20/40 sand in 511 bbls Viking I-25 fluid. Perfs brokedown @ 3540 psi. Treated @ avg [ress pf 1900 [so w/avg rate of 27 BPM. ISIP-2100 psi, 5-min 1990 psi. Flowback on 12/64" choke for 5 hours and died.

5/14/98 4348'-4355' **Frac GB-4 sands as follows:**  
3560# 20/40 sand in 128 bbls Viking I-25 fluid. Perfs brokedown @ 2150 psi. Treated @ avg press of 2000 psi w/avg rate of 9.5 bpm. ISIP: 3830 psi, 5-min 2525 psi. Flowback on 12/64" choke for 30 minutes and died.

3/11/02 Broke down new zones and established injection into existing zones.

2/2/07 **5 Year MIT completed and submitted.**

### PERFORATION RECORD

Date	Wellbore Interval	Completion Type	Holes
5/7/98	5274'-5278'	4 JSPF	16 holes
5/7/98	5282'-5295'	4 JSPF	52 holes
5/11/98	4921'-4928'	4 JSPF	28 holes
5/13/98	4348'-4355'	4 JSPF	28 holes
3/08/02	4615'-4621'	4 JSPF	24 holes
3/08/02	4411'-4421'	4 JSPF	40 holes

**NEWFIELD**



Nine Mile #15-6-9-16  
646' FSL & 2086' FEL  
SWSE Section 6-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32010; Lease UTU-74390

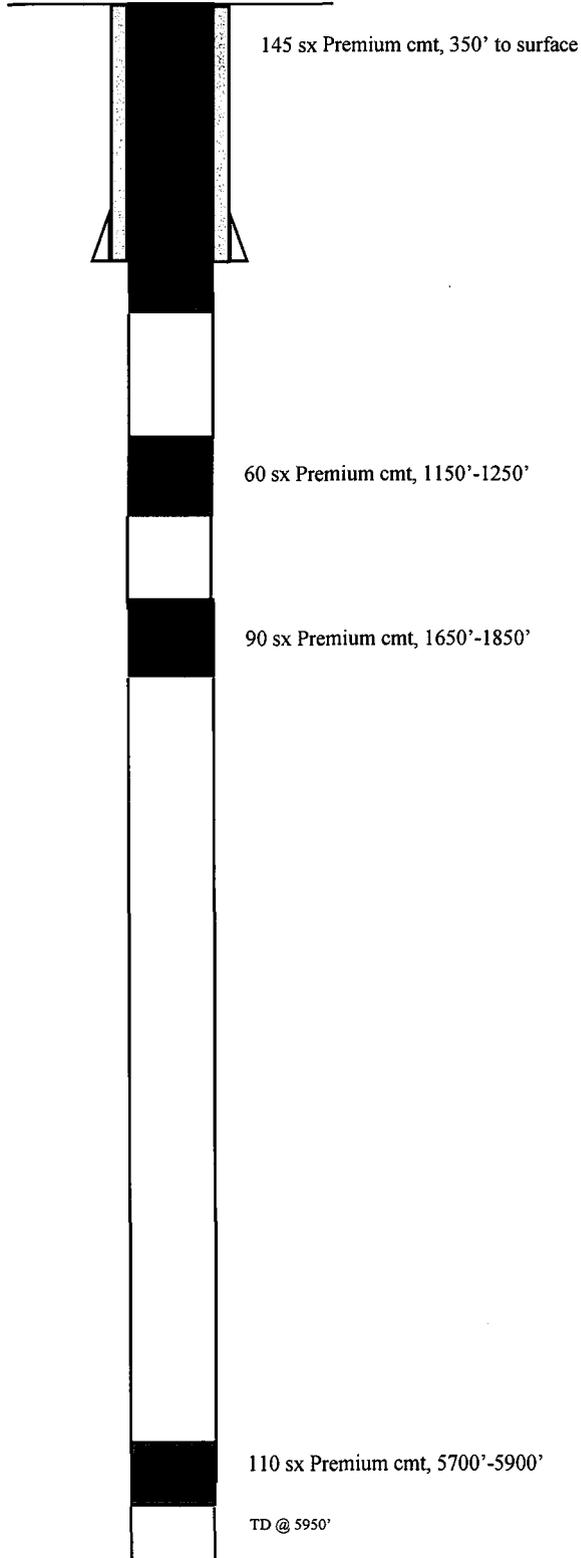
## Nine Mile #14-6

Spud Date: 3/4/98  
P & A on 3/1/7/98  
GL: 5943' KB: 5955'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH:  
DEPTH LANDED: 286'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 135 sxs Premium cmt, est ? bbls to surf.



**NEWFIELD**



Nine Mile #14-6  
781 FSL 2074 FWL  
SESW Section 6-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31999; Lease #UTU-74390

## Monument Federal #32-6-9-16Y

Spud Date: 3/27/97

Put on Production: 5/7/97

GL: 5885.3'

Initial Production: 5 BOPD,  
100 MCFPD, 2 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: ?

DEPTH LANDED: ?

HOLE SIZE: 12-1/4"

CEMENT DATA: ? sxs Class "G" cmt, est ? bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 6332.95'

DEPTH LANDED: 6342.95'

HOLE SIZE: 7-7/8"

CEMENT DATA: 175 sks Premium & 450 sks 50/50 Poz

CEMENT TOP AT: 2500'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

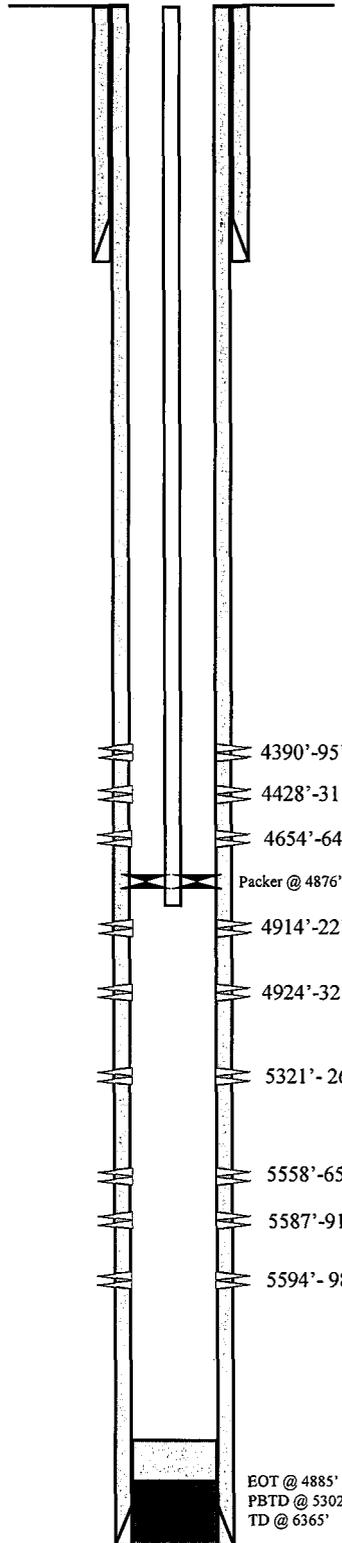
NO. OF JOINTS: 157 jts (4875' KB)

PACKER: 4876'

TOTAL STRING LENGTH: 4885'

SN LANDED AT: 4872'

Injection Wellbore  
Diagram



### FRAC JOB

Date	Depth Range	Fracture Details
4-21-97	5558'-5598'	<b>Frac as follows:</b> Break down w/ 2940 gals 2% KCL water. Frac w/ 13,500# 20/40 mesh sand and 36,300# 16/30 mesh sand w/17,136 gals 2% KCL gelled water. ISIP-2300 psi. ATP-2300 psi and ATR-31.4 BPM.
4-23-97	5321'-5326'	<b>Frac as follows:</b> Break down w/ 2688 gals 2% KCL water. Frac w/4500# 20/40 mesh sand and 13,300# 16/30 mesh sand w/10,794 gals 2% KCL gelled water. ISIP-2200 psi, 5 min 1900 psi. ATP-2300 psi and ATR-20.5 BPM.
4-25-97	4654'-4664'	<b>Frac as follows:</b> Frac w/27,300# 16/30 mesh sand w/12,180 gals 2% KCL gelled water. ATP-2400 psi and ATR-24.9 BPM. ISIP-2750 psi, 5 min 2260 psi.
4-28-97	4390'-4431'	<b>Frac as follows:</b> Break down w/1848 gals 2% KCL water. Frac w/23,700# 16/30 mesh sand w/10,960 gals 2% KCL gelled water. ATP-2850 psi and ATR-28 BPM. ISIP-2300 psi, 5 min 1791 psi
2-5-00	4914'-4932'	<b>Break perms as follows:</b> Break down perms @ 1800 psi. Begin injecting into D sands @ 100 BPD.

### PERFORATION RECORD

Date	Depth Range	Perforation Details
4-18-97	5558'-5565'	4 JSPF 28 holes
4-18-97	5587'-5591'	4 JSPF 16 holes
4-18-97	5594'-5598'	4 JSPF 16 holes
4-23-97	5321'-5326'	4 JSPF 20 holes
4-25-97	4654'-4664'	4 JSPF 40 holes
4-28-97	4390'-4395'	4 JSPF 20 holes
4-28-97	4428'-4431'	4 JSPF 12 holes
2-5-00	4924'-4932'	4 JSPF 32 holes
2-5-00	4914'-4922'	4 JSPF 32 holes

**NEWFIELD**

Monument Federal #32-6-9-16Y

2229 FNL 1792 FEL

NENW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31300; Lease #UTU-74390

BDH 7/10/01

## Monument Federal #33-6-9-16Y

Spud Date: 6/4/96  
 Put on Production: 7/10/96  
 GL: 5867' KB: 5877

Initial Production: BOPD,  
 MCFPD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts (252')  
 DEPTH LANDED: 262'  
 HOLE SIZE: 12-1/4" Top of cement 226'  
 CEMENT DATA: 160 sxs Class "G" cmt, 2% CaCl<sub>2</sub>, 1/4#/sx cello flake

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts. (6070')  
 DEPTH LANDED: 6080'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 390 sxs Super "G", 3% salt, 2% gel, 2#/sx kol-seal, 1/4#/sx cello flake. Tail w/290 sxs 50/50 poz, 2% gel, 1/4#/sx kol-seal.  
 CEMENT TOP: 226'

### TUBING

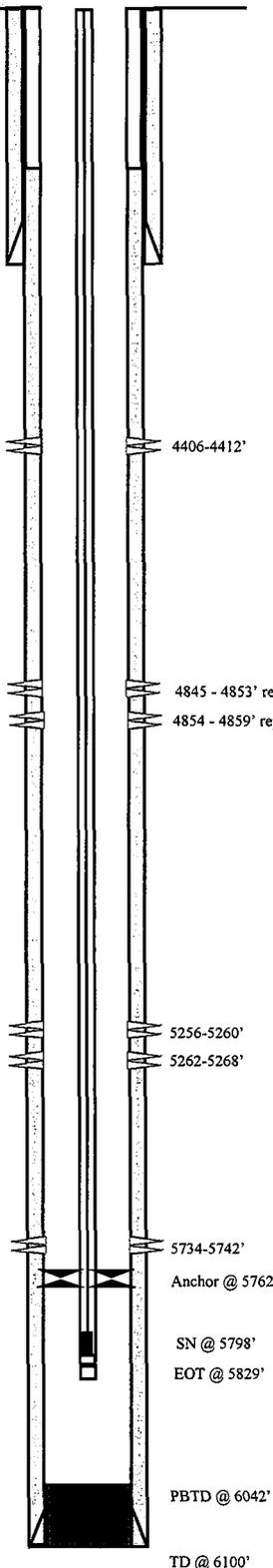
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 185 jts. (5752.41')  
 TUBING ANCHOR: 5762.41' KB  
 NO. OF JOINTS: 1 jts. (32.49')  
 SN LANDED AT: 5797.70' KB  
 NO. OF JOINTS: 1 jt. (30.13')  
 TOTAL STRING LENGTH: EOT @ 5829.38' w/ 10' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 6 - 1 1/2" wt rods, 36- 34" guide rods (Btm 25 New), 90 - 3/4" slick rods, 100 - 3/4" guide rods (Top 12 New), 1-6' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16" RHAC  
 STROKE LENGTH: 85"  
 PUMP SPEED, SPM: 4 SPM

### FRAC JOB

6-26-96 4845'-4859' 12,6600 gal 2% KCL wtr, 37280 lbs 16/30 ss. ATP 2100 psi, ATR 19.4 bpm, screen out w/29,229 lbs ss on formation flow back 110 bbls wtr.  
 2/27/02 Rod job. Update rod and tubing details.  
 11/18/04 5734-5742' **Frac CP.5 sands as follows:** 24,608#'s 20/40 sand in 239 bbls Lightning Frac 17 fluid. Treated @ ave press of 3381 w/avg rate of 14.4 BPM. ISIP 1880 psi. Calc flush: 5732 gal. Actual flush: 1374 gal.  
 11/19/04 5256-5268' **Frac A1 sands as follows:** 4,500#'s (designed for 20,000#) 20/40 sand in 80 bbls Lightning Frac 17 fluid. Treated @ ave press of 3600 w/avg rate of 14.4 BPM. ISIP 7850 psi. Screen out.  
 11/19/04 4845-4859' **Frac D1 sands as follows:** 50,151#'s 20/40 sand in 405 bbls Lightning Frac 17 fluid. Treated @ ave press of 5630 w/avg rate of 13.8 BPM. ISIP 5560 psi. Screened out.  
 11/22/04 4406-4412' **Frac GB6 sands as follows:** 19,962#'s 20/40 sand in 240 bbls Lightning Frac 17 fluid. Treated @ ave press of 2396 w/avg rate of 24.4 BPM. ISIP 1840 psi. Calc flush: 4404 gal. Actual flush: 3481 gal.  
 9-17-08 Stuck pump. Updated rod & tubing details.



### PERFORATION RECORD

Date	Interval	Tool	Holes
6/25/96	4845'-4853'	4 JSPF	32 holes
6/25/96	4854'-4859'	4 SPF	20 holes
11/17/04	5734-5742'	4 JSPF	32 holes
11/17/04	5262-5268'	4 JSPF	24 holes
11/17/04	5256-5260'	4 JSPF	16 holes
11/17/04	4854-4859'	4 JSPF	20 holes (reperfed)
11/17/04	4845-4853'	4 JSPF	32 holes (reperfed)
11/17/04	4406-4412'	4 JSPF	24 holes

**NEWFIELD**

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**Monument Federal #33-6-9-16Y**

1850' FSL & 1850' FEL  
 NW/SE Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31589; Lease #U-74390

## Monument Federal #42-6Y-9-16

Spud Date: 7/8/96  
 Put on Production: 8/22/96  
 GL: 5835' KB: 5845' (10' KB)

Initial Production: 55 BOPD, 0  
 MCFPD, 0 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (242.22')  
 DEPTH LANDED: 252.22' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 142 jts. (5967.34')  
 DEPTH LANDED: 5977.34' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 395 sxs Super "G" & 435 sxs 50/50 Poz  
 CEMENT TOP AT: 460'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 181 jts. (5734.2')  
 TUBING ANCHOR: 5734.2'  
 NO. OF JOINTS: 1 jt. (33.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5770.0' KB  
 NO. OF JOINTS: 1 jt. (31.5')  
 TOTAL STRING LENGTH: EOT @ 5807'

### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 1-2" x 3/4" pony rod, 1-4' x 3/4" pony rod, 99-3/4" guided rods, 46-3/4" guided rods, 80-3/4" guided rods, 1-1 5/8" weight bar, 5-1 1/2" weight bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 14" RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 4

### FRAC JOB

7-30-96 5382'-5594' **Frac sand as follows:**  
 95,700# of 20/40 sd and 215,440# 16/30 sd w/87,612 gals 2% KCL water. Treated @ avg rate 60.5 bpm, avg press 2800 psi. Breakdown @ 3137 psi. ISIP-2600 psi, 5-min 1900 psi.

8-07-96 4871'-4890' **Frac sand as follows:**  
 53,014# of 16/30 sd w/20,016 gals 2% KCL water. Treated @ avg rate of 31.8 BPM, avg press 2450 psi. ISIP-2200 psi, 5-min 1950 psi.

8-07-96 4310'-4426' **Frac sand as follows:**  
 48,800# 16/30 sand w/25,704 gals 2% KCL water. Treated w/avg press of 2900 psi w/avg rate of 30.8 BPM. ISIP-1900 psi, 5 min 1760 psi.

9/19/01 Tubing job. Update rod and tubing details.

03-17-03 5824'-5845' **Frac CP2 sand as follows:**  
 65,300# 20/40 sand in YF 125 fluid. Treated w/avg press of 3875 psi w/avg rate of 16.5 BPM. ISIP-2275 psi. Actual Flush: 1439 gals. Calc. Flush: 1515 gals.

03-17-03 5240'-5246' **Frac A .5 sands as follows:**  
 19,560# 20/40 sand in YF 125 fluid. Treated w/avg press of 4916 psi w/ avg rate of 15.2 BPM. Zone screened off 14 bbls. into flush. ISIP 4916

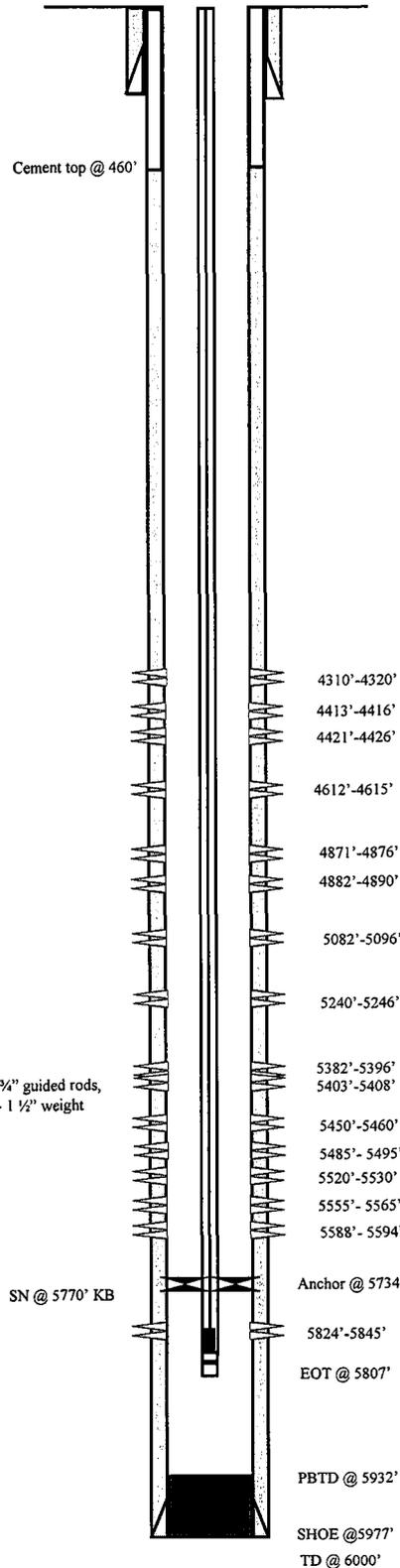
03-18-03 5082'-5096' **Frac B .5 sands as follows:**  
 44,833# 20/40 sand in 275 Bbls YF 125 fluid. Treated w/avg press of 3919 psi w/ avg rate of 17.3 BPM. ISIP-2440 psi. Actual Flush: 1217 gals. Calc. Flush: 1314 gals.

03-18-03 4612'-4615' **Frac PB10 sands as follows:**  
 18,989# 20/40 sand in 139 bbls YF 125 fluid. Treated w/avg press of 3664 psi w/avg rate of 14 BPM. ISIP-2396 psi. Actual Flush: 1059 gals. Calc. Flush: 1210 gals.

4310'-4320' 2/2/04 Tubing leak. Update rod and tubing details.  
 4413'-4416' 03/19/07 Pump Change. Update rod and tubing details.  
 4421'-4426' 3/17/10 Parted rods. Updated rod and tubing detail.

### PERFORATION RECORD

7-29-96	5588'-5594'	1 JSPF	6 holes
7-29-96	5555'-5565'	1 JSPF	10 holes
7-29-96	5520'-5530'	1 JSPF	10 holes
7-29-96	5485'-5495'	1 JSPF	10 holes
7-29-96	5450'-5460'	1 JSPF	10 holes
7-29-96	5403'-5408'	1 JSPF	5 holes
7-29-96	5382'-5396'	1 JSPF	14 holes
8-06-96	4871'-4876'	4 JSPF	20 holes
8-06-96	4882'-4890'	4 JSPF	32 holes
8-07-96	4421'-4426'		3 holes
8-07-96	4413'-4416'		3 holes
8-07-96	4310'-4320'		8 holes
03-14-03	5824'-5845'	4 JSPF	84 holes
03-14-03	5240'-5246'	4 JSPF	24 holes
03-14-03	5082'-5096'	4 JSPF	46 holes
03-14-03	4612'-4615'	4 JSPF	12 holes



**NEWFIELD**

**Monument Federal #42-6-9-16Y**  
 1980 FNL & 660 FEL  
 SE/NE Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31645; Lease #UTU-74390

## West Point #1-7-9-16

Spud Date: 3/28/2001  
 Put on Production: 5/22/01  
 GL: 5804' KB: 5814'

Initial Production: 365.5 BOPD,  
 334.8 MCFD, 48.1 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.73")  
 DEPTH LANDED: 307.73'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 260 sxs Class "G" cmt,

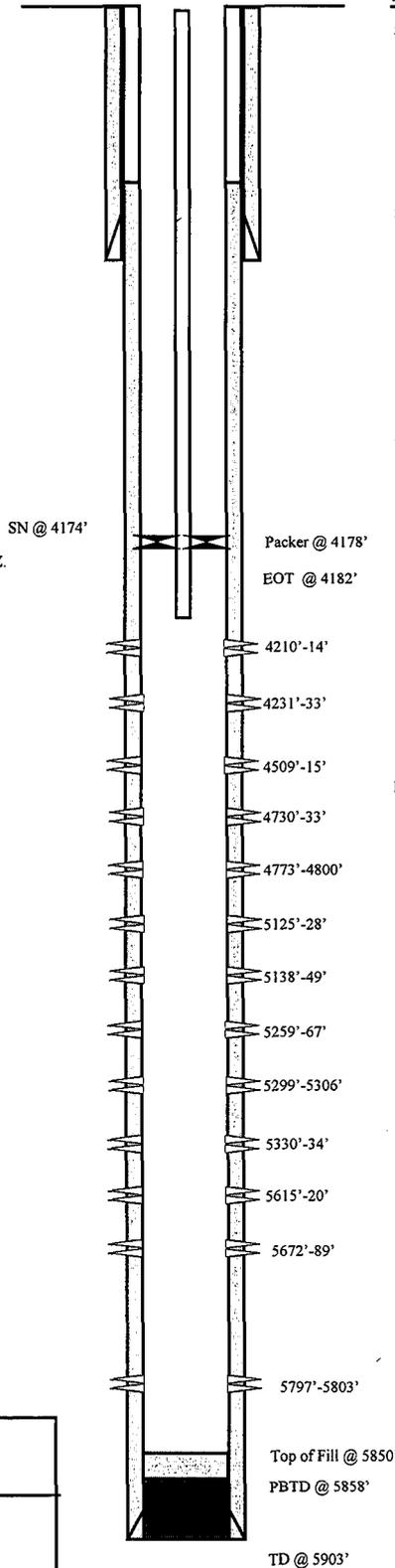
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts. (5907.59')  
 DEPTH LANDED: 5903.19'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 290 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4163.82')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4173.82'  
 TOTAL STRING LENGTH: EOT @ 4182.32' w/10' KB

### Injection Wellbore Diagram



### FRAC JOB

5/15/01	5797'-5803'	
	5672'-89'	
	5615'-20'	<b>Frac CP sands as follows:</b> 137,820# 20/40 sand in 897 bbls Viking 1-25 Fluid. Treated @ avg press of 1900 psi w/ avg rate of 29.7 BPM. ISIP - 2230 psi. Flow back on 12/64 choke for 4.5 hrs & died.
5/15/01	5330'-34'	
	5299'-5306'	
	5259'-67'	
	5138'-49'	
	5125'-28'	<b>Frac A &amp; LODC sands as follows:</b> 175,543# 20/40 sand in 1075 bbls Viking 1-25 Fluid. Treated @ avg press of 1900 psi w/ avg rate of 29.5 BPM. ISIP - 2125 psi.
5/15/01	4773'-4800'	
	4730'-33'	<b>Frac D1 sands as follows:</b> 150,208# 20/40 sand in 951 bbls Viking 1-25 Fluid. Treated @ avg press of 1900 psi w/ avg rate of 30 BPM. ISIP - 1950 psi. Flow back on 12/64 choke for 3.5 hrs & died.
5/15/01	4231'-33'	
	4210'-14'	<b>Frac GB4 sands as follows:</b> 32,400# 20/40 sand in 239 bbls Viking 1-25 Fluid. Treated @ avg press of 2100 psi w/ avg rate of 30 BPM. Screened out. Flow back on 12/64 choke for 4.5 hrs & died. Note: did not frac 4509-15'
9/27/04		Pump Change. Update rod and tubing details.
10/28/05		<b>Converted to an Injection Well.</b>
11/16/05		<b>MIT Completed.</b>

### PERFORATION RECORD

5/15/01	5797'-5803'	4 JSPF	24 holes
5/15/01	5672'-5689'	4 JSPF	68 holes
5/15/01	5615'-5620'	4 JSPF	20 holes
5/16/01	5330'-5334'	4 JSPF	16 holes
5/16/01	5299'-5306'	4 JSPF	28 holes
5/16/01	5259'-5267'	4 JSPF	32 holes
5/16/01	5138'-5149'	4 JSPF	44 holes
5/16/01	5125'-5128'	4 JSPF	12 holes
5/17/01	4773'-4800'	4 JSPF	108 holes
5/17/01	4730'-4733'	4 JSPF	12 holes
5/18/01	4509'-4515'	4 JSPF	24 holes
5/18/01	4231'-4233'	4 JSPF	8 holes
5/18/01	4210'-4214'	4 JSPF	16 holes

### NEWFIELD

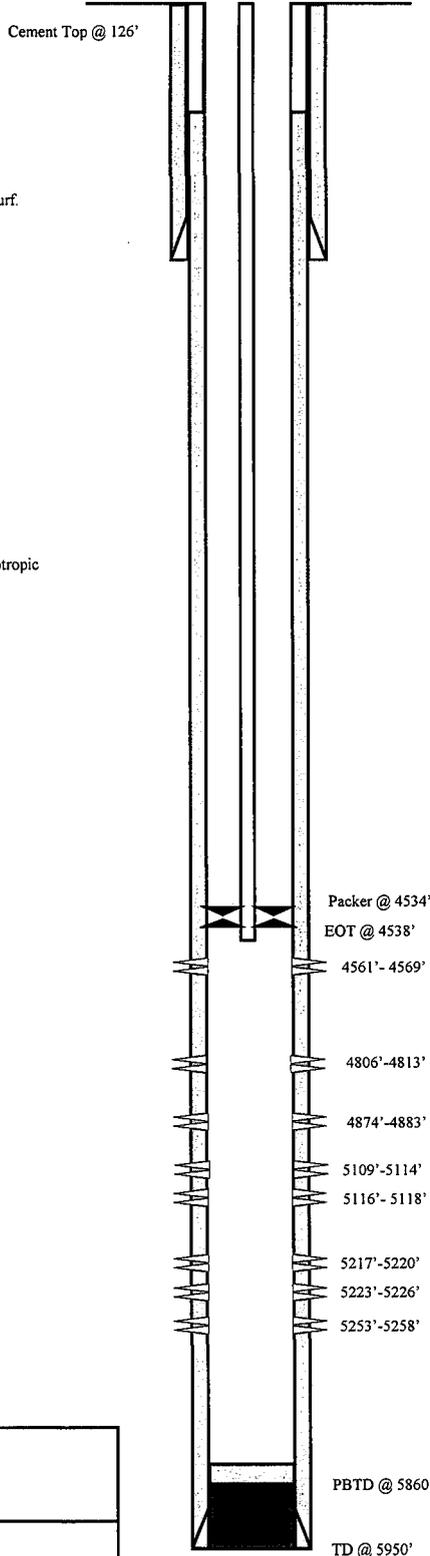
**West Point #1-7-9-16**  
 670 FNL & 662 FEL  
 NE/NE Sec. 7, T9S R16E  
 Duchesne, County  
 API# 43-013-32210; Lease# UTU-74390

## Nine Mile #2-7

Spud Date: 2-23-98  
 Put on Production: 3-31-98  
 GL: 5904' KB: ?'

Initial Production: 107 BOPD,  
 166 MCFPD, 12 BWPD

### Injection Wellbore Diagram



#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (286')  
 DEPTH LANDED: 287'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4.5 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts (5892')  
 DEPTH LANDED: 5903'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sxs Hibond mixed & 350 sxs thixotropic  
 CEMENT TOP AT: 126'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 1 jts (30.34')  
 1 2-7/8 J-55 TBG SUB (6.17')  
 NO. OF JOINTS: 144 (4481.05')  
 SN LANDED AT: 4529.56'  
 1 5-1/2 Arrow set pkr: (7.28')  
 CE @ 4533.91  
 TOTAL STRING LENGTH: 4537.94' w/12' KB

#### FRAC JOB

3-21-98	5217'-5258'	<b>Frac A sand as follows:</b> 111,300# of 20/40 sd in 560 bbls Delta. Breakdown @ 3563 psi. Treated @ avg rate 31 bpm, avg press 2500 psi. ISIP-2624 psi, 5-min 2449 psi. Flowback for 3 hrs & died.
3-23-98	5109'-5118'	<b>Frac B sand as follows:</b> 120,300# of 20/40 sd in 572 bbls Delta. Breakdown @ 2586 psi. Treated @ avg rate of 28.5, avg press 2000 psi. ISIP- 2289 psi, 5-min 2146 psi. Flowback on 12/64" ck for 4 hrs & died.
3-26-98	4806'-4883'	<b>Frac D sand as follows:</b> 127,200# 20/40 sand in 595 bbls Delta. Breakdown @ 1726 psi. Treated w/avg press of 2135 psi, w/avg rate of 30 BPM. ISIP-2302 psi, 5 min 2175 psi. Flowback on 12/64" ck for 4-1/2 hrs & died.
3-27-98	4561'-4569'	<b>Frac PB sand as follows:</b> 81,300# 20/40 sand in 432 bbls Delta. Breakdown @ 2395 psi. Treated w/avg press of 2475 psi, w/avg rate of 27.1 BPM. ISIP-2654 psi, 5 min 2311 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.
2-10-04		Pump change. Update tubing and rod details.
6-2-05		Tubing leak. Update tubing and rod details.
06/22/09		Converted to Injection Well
06/24/09		MIT completed, update tbg detail

#### PERFORATION RECORD

3-20-98	5217'-5220'	4 JSPF	12 holes
3-20-98	5223'-5226'	4 JSPF	12 holes
3-20-98	5253'-5258'	4 JSPF	20 holes
3-22-98	5109'-5114'	4 JSPF	20 holes
3-22-98	5116'-5118'	4 JSPF	8 holes
3-25-98	4806'-4813'	4 JSPF	28 holes
3-25-98	4874'-4883'	4 JSPF	36 holes
3-27-98	4561'-4569'	4 JSPF	32 holes

**NEWFIELD**

**Nine Mile #2-7**  
 567 FNL 1924 FEL  
 NWNE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32011; Lease #UTU-74390

## Nine Mile #3-7-9-16

Spud Date: 2-19-98  
 Put on Production: 3-31-98  
 GL: 5933' KB: 5943'

Initial Production: 62 BOPD,  
 251 MCFPD, 3 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (289')  
 DEPTH LANDED: 290'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

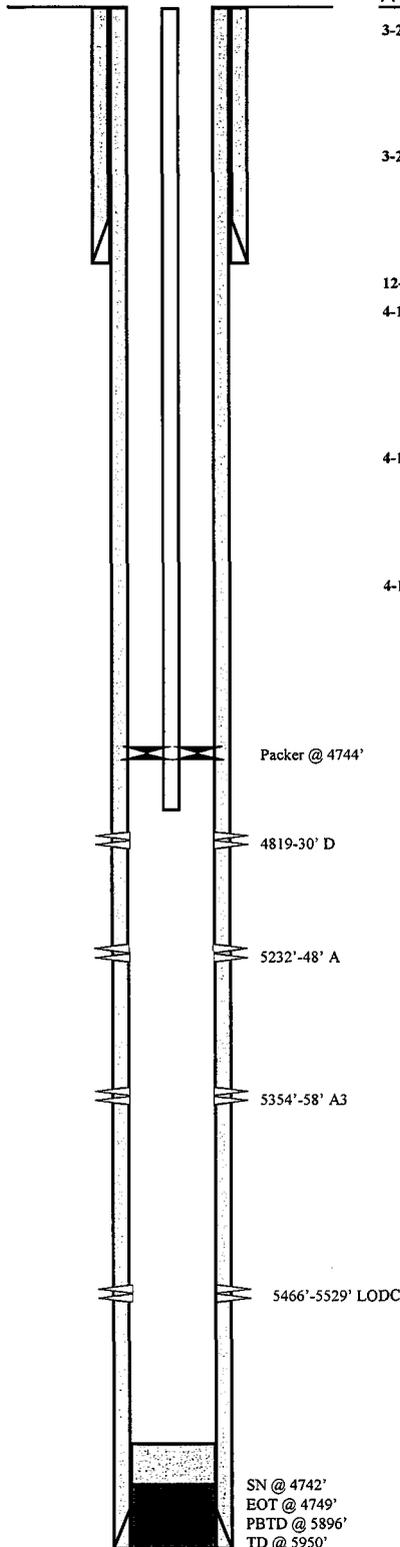
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts (5927')  
 DEPTH LANDED: 5938'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sks Hibond mixed & 340 sks thixotropic  
 CEMENT TOP AT:

### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 152 jts  
 PACKER: 4744'  
 TOTAL STRING LENGTH: 4749'  
 SN LANDED AT: 4742'

Injection Wellbore  
 Diagram



### FRAC JOB

**3-26-98 5232'-5248'** **Frac A sand as follows:**  
 104,300# of 20/40 sd in 525 bbls Delta. Breakdown @ 1599 psi. Treated @ avg rate 25.5 bpm, avg press 2650 psi. ISIP-3323 psi, 5-min 2806 psi. Flowback for 3 hrs & died.

**3-28-98 4819'-4830'** **Frac D sand as follows:** 104,300# of 20/40 sd in 519 bbls Delta Frac. Breakdown @ 3020 psi. Treated @ avg rate of 26, avg press 2248 psi. ISIP- 2445 psi, 5-min 2041 psi. Flowback on 12/64" ck for 5 hrs & died.

**12-26-00** Convert to injector.

**4-12-01 5354'-5529'** **Break A/LDC sand as follows:**  
 Pressured up on perms 5429'-5566' to 2400 psi, broke back to 1800 psi. Pumped 20 bbl wtr @ 1bpm. Pressured up on perms 5354'-58' to 1500 psi. Pumped 20 bbl wtr @ 1bpm. ISIP 1300 psi.

**4-13-01 5354'-5529'** **Acidize A/LDC sand as follows:**  
 Spot 4 bbl 15% HCl on perms 5429'-5566'. Pump 27 BW @ 2700 psi, broke back to 1800 psi. Spot 2 bbl 15% HCl on perms 5354'-5358'. Pumped 12 BW. ISIP 1300 psi.

**4-18-01** MIT performed.

### PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
3-26-98	5232'-5248'	4 JSPF	64 holes
3-27-98	4819'-4830'	4 JSPF	44 holes
4-11-01	5354'-5358'	4 JSPF	16 holes
4-11-01	5466'-5529'	4 JSPF	126 holes

**NEWFIELD**



Nine Mile #3-7-9-16  
 609 FNL 2105 FWL  
 NENW Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32012; Lease #UTU-74390

## West Point Fed #I-7-9-16

Spud Date: 4/23/08

Put on Production: 6/4/08

GL: 5911' KB: 5923'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 10 jts (308.39')

DEPTH LANDED: 318.39'

HOLE SIZE: 12-1/4"

CEMENT DATA: To surface with 160 sx Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 154 jts

DEPTH LANDED: 6342'

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sx Premlite II and 425 sx 50/50 Poz

CEMENT TOP AT: 74'

#### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#

NO. OF JOINTS: 185 jts (5792.8')

TUBING ANCHOR: 5792.8' KB

NO. OF JOINTS: 1 jt (30.9')

SEATING NIPPLE: 2 7/8" (1.10')

SN LANDED AT: 5826.4' KB

NO. OF JOINTS: 2 jts (63.1')

TOTAL STRING LENGTH: EOT @ 5891'

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod

SUCKER RODS: 2', 6', 8' x 7/8" pony rods, 228- 7/8" scraped rods, 4-1 1/2" weight rods

PUMP SIZE: CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump w/sm plunger

STROKE LENGTH: 124"

PUMP SPEED, SPM: 6

#### FRAC JOB

5/29/08 5833-5854' **Frac CP2 sds as follows:**  
89,929# 20/40 sand in 710 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1557 psi @ ave rate of 26.2 BPM. ISIP 1932 psi.

5/29/08 5311-5327' **Frac A1 sds as follows:**  
114,824# 20/40 sand in 849 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1718 psi @ ave rate of 26 BPM. ISIP 2230 psi.

5/29/08 5021-5031' **Frac C sds as follows:**  
39,618# 20/40 sand in 402 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2103 psi @ ave rate of 23.2 BPM. ISIP 2228 psi.

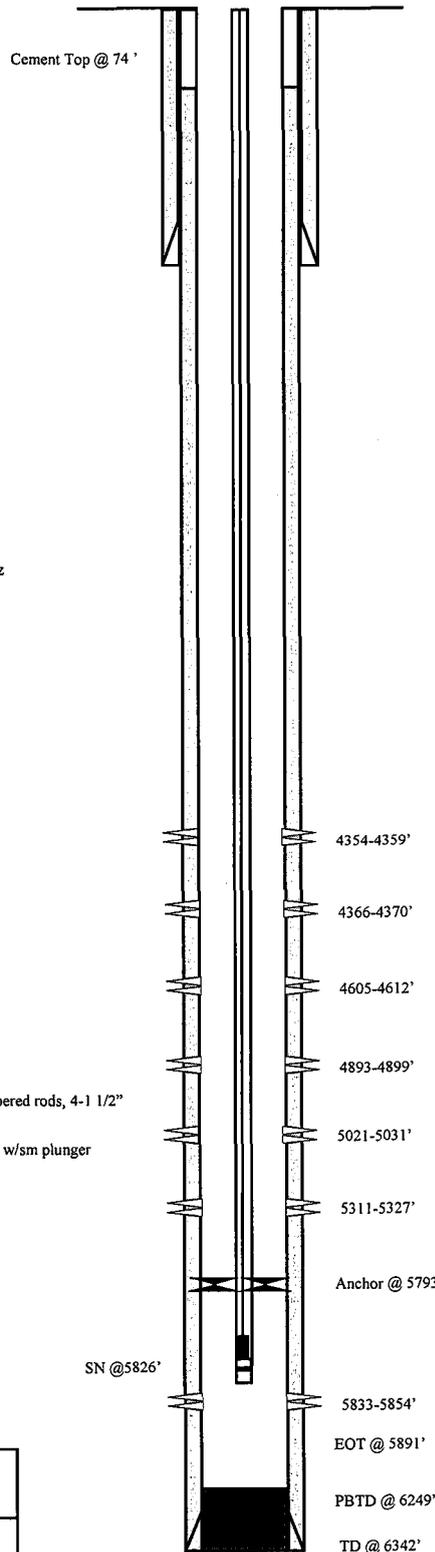
5/29/08 4893-4899' **Frac D1 sds as follows:**  
15,249# 20/40 sand in 270 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2218 psi @ ave rate of 23.3 BPM. ISIP 2058 psi.

5/29/08 4605-4612' **Frac PB10 sds as follows:**  
24,969# 20/40 sand in 332 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2390 psi @ ave rate of 23.1 BPM. ISIP 2270 psi.

5/29/08 4366-4370' **Frac GB4 sds as follows:**  
31,417# 20/40 sand in 374 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2111 psi @ ave rate of 23.2 BPM. ISIP 2070 psi.

8/12/2010

Pump Change. Changed rod and tubing details



#### PERFORATION RECORD

4354-4359'	4 JSPP	20 holes
4366-4370'	4 JSPP	16 holes
4605-4612'	4 JSPP	28 holes
4893-4899'	4 JSPP	24 holes
5021-5031'	4 JSPP	40 holes
5311-5327'	4 JSPP	64 holes
5833-5854'	4 JSPP	84 holes

**NEWFIELD**



West Point Fed #I-7-9-16  
551' FNL & 1910' FEL  
NW/NE Section 7-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33710; Lease #UTU-74390

## West Point 4-8-9-16

Spud Date: 2/28/2001  
 Put on Production: 3/31/2001  
 GL: 5938' KB: 5948'

Initial Production: 294 BOPD,  
 272 MCFD, 74 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (293.39')  
 DEPTH LANDED: 303.39'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt,

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (6051.09')  
 DEPTH LANDED: 6046.69'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 475 sxs 50/50 POZ.  
 CEMENT TOP: 70'

### TUBING

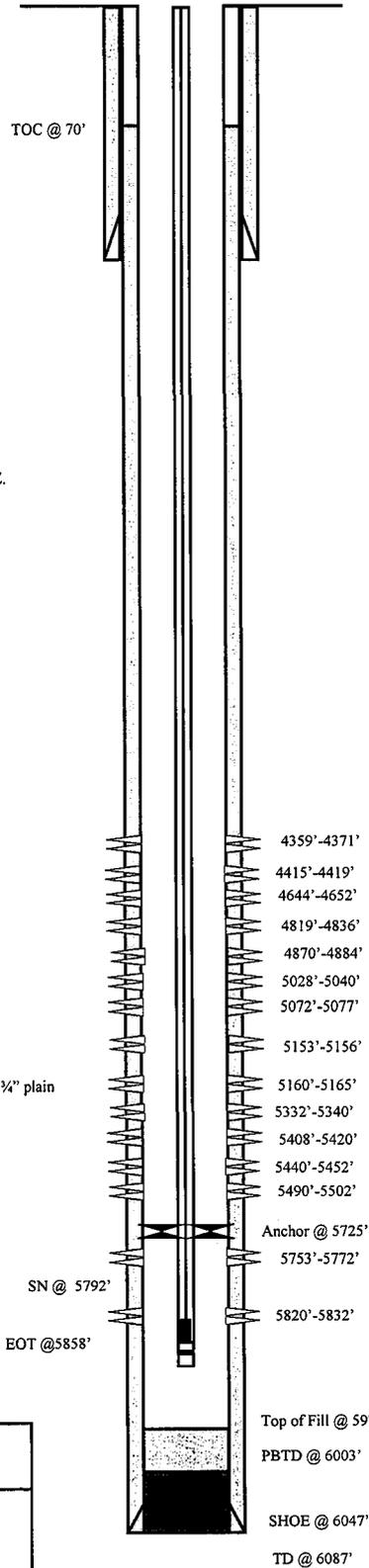
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 177 jts. (5714.21')  
 TUBING ANCHOR: 5724.78' KB  
 NO. OF JOINTS: 2 jts. (66.36')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 5792.13' KB  
 NO. OF JOINTS: 2 jts. (65.63')  
 TOTAL STRING LENGTH: EOT @ 5858.31 W/ 10' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2' X 3/4" pony rods, 90- 3/4" scraped rods, 95- 3/4" plain rods, 40- 3/4" scraped rods, 6- 1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12"x 15 1/2" RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5

### FRAC JOB

3/23/01	5753'-5832'	<b>Frac CP sands as follows:</b> 134,800# 20/40 sand in 909 bbls Viking 1-25 fluid. Treated @ avg press of 1800 psi w/ avg rate of 30 BPM. ISIP: 1970 psi. Calc. flush: 5753 gal. Actual flush: 5670 gal.
3/27/01	5332'-5502'	<b>Frac A &amp; LODC sands as follows:</b> 428,400# 20/40 sand in 2613 bbls Viking 1-25 fluid. Treated @ avg press of 2400 psi w/ avg rate of 37.4 BPM. ISIP: 2560 psi. Calc. flush: 5332 gal. Actual flush: 6498 gal.
3/28/01	4819'-4884'	<b>Frac D sands as follows:</b> 152,950# 20/40 sand in 990 bbls Viking 1-25 fluid. Treated @ avg press of 1850 psi w/ avg rate of 29.5 BPM. ISIP: 2080 psi. Calc. flush: 4819 gal. Actual flush: 4746 gal.
5/13/03	5028'-5165'	<b>Frac C and B2 sands as follows:</b> 74,863# 20/40 sand in 583 bbls Viking 1-25 fluid. Treated @ avg press of 3490 psi w/ avg rate of 17.7 BPM. ISIP: 1750 psi. Calc. flush: 1313 gal. Actual flush: 1218 gal.
5/14/03	4359'-4652'	<b>Frac GB and PB sands as follows:</b> 75,090# 20/40 sand in 549 bbls Viking 1-25 fluid. Treated @ avg press of 1795 psi w/ avg rate of 25 BPM. ISIP: 2075 psi. Calc. flush: 4357 gal. Actual flush: 4284 gal.
10/12/05		Parted Rods.
10/13/05		Parted Rods. Detail tubing and rod updated.
2-17-06		Tubing Leak. Updated rod and tubing detail.
12-6-07		Pump Change. Updated rod & tubing details.



### PERFORATION RECORD

Date	Depth Range	Number of Holes	Hole Type
3/23/01	5820'-5832'	4	JSPF 48 holes
3/23/01	5753'-5772'	4	JSPF 76 holes
3/27/01	5490'-5502'	4	JSPF 48 holes
3/27/01	5440'-5452'	4	JSPF 48 holes
3/27/01	5408'-5420'	4	JSPF 48 holes
3/27/01	5332'-5340'	4	JSPF 32 holes
3/28/01	4870'-4884'	4	JSPF 56 holes
3/28/01	4819'-4836'	4	JSPF 68 holes
5/13/03	5160'-5165'	4	JSPF 20 holes
5/13/03	5153'-5156'	4	JSPF 12 holes
5/13/03	5072'-5077'	4	JSPF 20 holes
5/13/03	5028'-5040'	4	JSPF 48 holes
5/13/03	4644'-4652'	4	JSPF 32 holes
5/13/03	4415'-4419'	4	JSPF 16 holes
5/13/03	4359'-4371'	4	JSPF 48 holes

**NEWFIELD**

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**West Point 4-8-9-16**  
 972' FNL & 798' FWL  
 NWNW Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32208; Lease #UTU-74390

Spud Date: 6/27/96  
 Put on Production: 8/06/96  
 Put on Injection: 11/15/99  
 GL: 5837' KB: ?

## Monument Federal 43-6-9-16

Initial Production: 56 BOPD,  
 0 MCFPD, 90 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (242.22')  
 DEPTH LANDED: 264'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

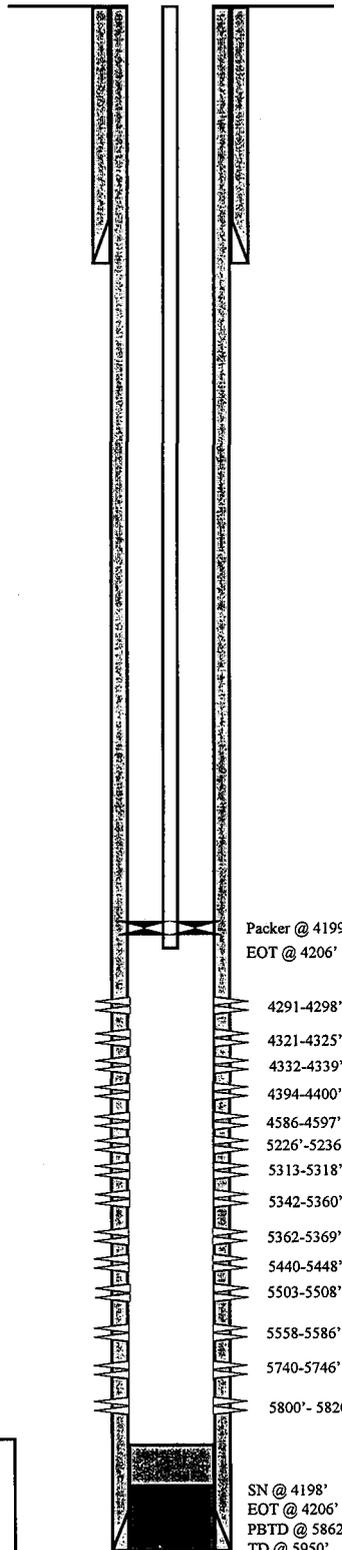
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts.  
 DEPTH LANDED: 5908'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sxs Super "G" & 390 sxs 50/50 Poz  
 CEMENT TOP AT: 275' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 134 jts @ 4188.28'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4198.28'  
 PACKER: 4199.38'  
 TOTAL STRING LENGTH: EOT @ 4206.38'

### Injection Wellbore Diagram



### FRAC JOB

7-15-96	5558'-5586'	<b>Frac sand as follows:</b> 40,370# of 20/40 sd and 87,030# 16/30 sd w/35,028 gals 2% KCL water. Treated @ avg rate 38 BPM, avg press 3250 psi. ISIP-3550 psi, 5-min 2300 psi.
7-18-96	5440'-5508'	<b>Frac sand as follows:</b> 16,790# of 20/40 sd and 41,110# 16/30 sd w/21,000 gals 2% KCL water. Treated @ avg rate of 30.5 BPM, avg press 3250 psi. ISIP-2430 psi, 5-min 1820 psi.
7-23-96	4586'-4597'	<b>Frac sand as follows:</b> 49,500# 16/30 sand w/15,708 gals 2% KCL water. Treated w/avg press of 2500 psi w/avg rate of 20.2 BPM. ISIP-2950 psi, 5 min 2270 psi.
7-23-96	4291'-4400'	<b>Frac sand as follows:</b> 109,700# 16/30 sand w/36,666 gals 2% KCL water. Treated w/avg press of 2350 psi w/avg rate of 29.9 BPM. ISIP-2000 psi, 5 min 1690 psi.
11/15/99		<b>Convert to Injection well</b>
11/13/06		<b>Re-Completion (new perfs)</b>
11/09/06	5740'-5820'	<b>Frac CP.5 &amp; CP2 sands as follows:</b> 39,090# 20/40 sand in 355 bbls Lightning 17 frac fluid. Treated w/ ave press of 4035@ ave rate of 14.5 BPM. ISIP was 2030 psi. Calc flush 2559, actual flush 1386
11/10/06	5226'-5236'	<b>Frac A &amp; LODC sands as follows:</b> 82,720# 20/40 sand in 648 bbls Lightning 17 frac fluid. Treated @ avg press of 3980 w/ avg rate of 14.6 BPM. ISIP 2290 psi. Actual flush 1260, Calc flush 2046
10/28/04		<b>5 yr MIT</b>

### PERFORATION RECORD

Date	Depth Range	Holes	Notes
7-12-96	5558'-5586'	4	JSPF 112 holes
7-17-96	5503'-5508'		9 holes
7-17-96	5440'-5448'		9 holes
7-18-96	5362'-5369'	4	JSPF 28 holes
7-18-96	5342'-5360'	4	JSPF 72 holes
7-18-96	5313'-5318'	4	JSPF 20 holes
7-22-96	4586'-4597'	4	JSPF 44 holes
7-23-96	4394'-4400'		4 holes
7-23-96	4332'-4339'		5 holes
7-23-96	4321'-4325'		4 holes
7-23-96	4291'-4298'		5 holes
11/08/06	5800'-5850'	4	JSPF 80 holes
11/08/06	5740'-5746'	4	JSPF 24 holes
11/08/06	5226'-5236'	4	JSPF 40 holes



**Monument Federal 43-6Y-9-16**  
 2214' FSL 707' FEL  
 NE/SE Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31644; Lease #UTU-74390

SN @ 4198'  
 EOT @ 4206'  
 PBD @ 5862'  
 TD @ 5950'

# West Point Fed #J-7-9-16

Spud Date: 6-26-08  
 Put on Production: 8-1-08  
 GL:5905' KB:5917'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.45')  
 DEPTH LANDED: 323.3'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154 jts  
 DEPTH LANDED: 6331.75'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sx Premlite II and 425 sx 50/50 Poz  
 CEMENT TOP AT: 36'

**TUBING**

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 187 jts (5750.9')  
 TUBING ANCHOR: 5762.9' KB  
 NO. OF JOINTS: 2 jts (61.7')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 5827.4' KB  
 NO. OF JOINTS: 1 jt (30.8')  
 TOTAL STRING LENGTH: EOT @ 5988

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 4', 2' X 7/8" pony rods, 228- 7/8" guided rods, 4- 1-1/2" K-bars  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 16'x 20' CDI RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED, SPM: 5

**FRAC JOB**

7/24/08 6210-6220' RU BJ & frac BS sds as follows:  
 41,802# 20/40 sand in 479 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 290 w/ ave rate of 26.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2719. Actual flush: 5766 gals.

7/25/08 6128-6146' RU BJ & frac stage #2 as follows:  
 60,567# 20/40 sand in 539 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1879 w/ ave rate of 23.3 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2025. Actual flush: 5661 gals.

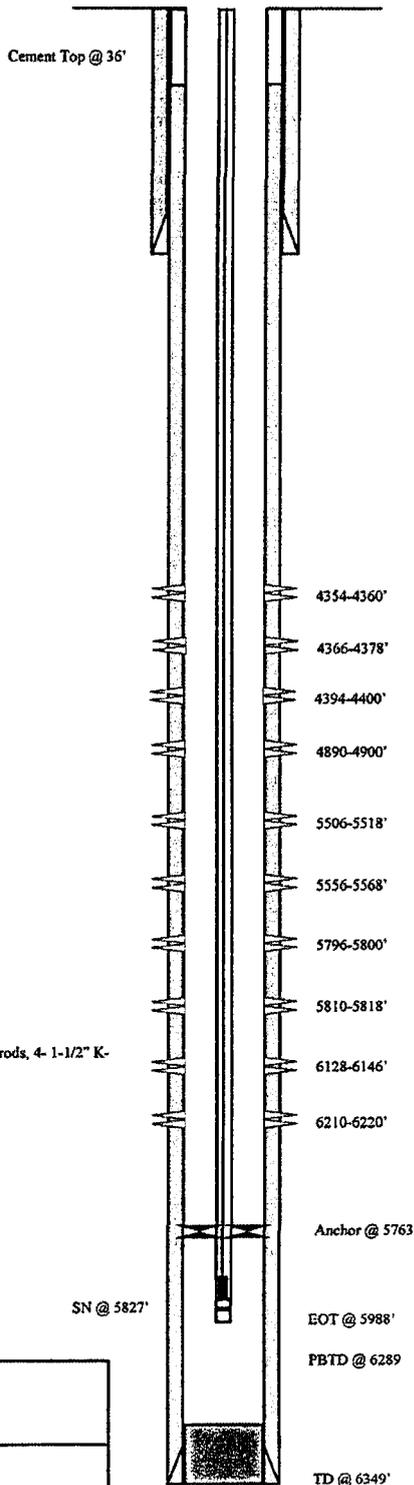
7/26/08 5796-5800' RU BJ & frac stage #3 as follows:  
 49,931# 20/40 sand in 472 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1883 w/ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2032. Actual flush: 5350 gals.

5/29/08 5506-5518' RU BJ & frac stage #4 as follows:  
 70,562# 20/40 sand in 590 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2471 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2252. Actual flush: 4998 gals.

7/26/08 4890-4900' RU BJ & frac stage #5 as follows:  
 70,056# 20/40 sand in 570 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1987 w/ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2066. Actual flush: 4426 gals.

7/26/08 4354-4360' RU BJ & frac stage #6 as follows:  
 76,919# 20/40 sand in 631 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1865 w/ ave rate of 25 bpm w/ 8 ppg of sand. ISIP was 1942. Actual flush: 4351 gals.

3/5/2010 Pump Change. Update rod and tubing details.



**PERFORATION RECORD**

Depth Range	Tool Joint	Holes
4354-4360'	4 JSPF	24 holes
4366-4378'	4 JSPF	48 holes
4394-4400'	4 JSPF	24 holes
4890-4900'	4 JSPF	40 holes
5506-5518'	4 JSPF	48 holes
5556-5568'	4 JSPF	48 holes
5796-5800'	4 JSPF	16 holes
5810-5818'	4 JSPF	32 holes
6128-6146'	4 JSPF	72 holes
6210-6220'	4 JSPF	40 holes

**NEWFIELD**

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West Point Fed #J-7-9-16  
 2068' FNL & 757' FEL  
 SE/NE Section 7-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33708; Lease #UTU-74390



1 of 4

## Multi-Chem Group, LLC

Multi-Chem Analytical Laborator  
1553 East Highway 40  
Vernal, UT 84078

multi-chem®

### Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **ASHLEY INJECTION**  
Sample Point: **Tri-plex Suction**  
Sample Date: **1 /5 /2010**  
Sales Rep: **Randy Huber**  
Lab Tech: **John Keel**

Sample ID: **WA-35264**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/5/2009	<b>Cations</b>		<b>Anions</b>	
Temperature (°F):	100		mg/L		mg/L
Sample Pressure (psig):	0	Calcium (Ca):	40.00	Chloride (Cl):	5000.00
Specific Gravity (g/cm³):	1.0060	Magnesium (Mg):	73.20	Sulfate (SO₄):	81.00
pH:	8.5	Barium (Ba):	5.00	Dissolved CO₂:	-
Turbidity (NTU):	-	Strontium (Sr):	-	Bicarbonate (HCO₃):	1805.00
Calculated T.D.S. (mg/L):	10759	Sodium (Na):	3751.00	Carbonate (CO₃):	-
Molar Conductivity (µS/cm):	16302	Potassium (K):	-	H₂S:	2.00
Resitivity (Mohm):	0.6134	Iron (Fe):	1.88	Phosphate (PO₄):	-
		Manganese (Mn):	0.06	Silica (SiO₂):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO₃):	-
		Ammonia NH₃:	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100	0	20.90	61.31	0.00	-2372.60	0.00	-2508.60	-	-	9.51	7.56	0.12
80	0	16.64	59.85	0.00	65.59	0.00	-2669.60	-	-	14.52	7.88	0.07
100	0	20.90	61.31	0.00	77.65	0.00	-2508.60	-	-	9.51	7.56	0.08
120	0	24.42	59.29	0.00	86.01	0.00	-2270.20	-	-	6.38	7.10	0.09
140	0	27.22	56.49	0.00	91.06	0.00	-1988.40	-	-	4.37	6.47	0.10
160	0	29.04	54.10	0.00	91.80	0.00	-1692.40	-	-	3.05	5.61	0.11
180	0	29.81	52.59	0.00	88.20	0.00	-1404.50	-	-	2.17	4.46	0.12
200	0	29.57	51.99	0.00	81.11	0.00	-1139.60	-	-	1.56	2.94	0.12
220	2.51	28.27	52.20	0.00	72.54	0.01	-916.28	-	-	1.11	0.81	0.12
240	10.3	26.50	51.96	0.00	62.54	0.01	-715.06	-	-	0.81	-1.81	0.12
260	20.76	24.31	50.03	0.00	52.87	0.02	-546.76	-	-	0.60	-5.13	0.12
280	34.54	21.88	45.44	0.00	44.23	0.03	-408.79	-	-	0.45	-9.29	0.12
300	52.34	19.36	39.39	0.00	36.84	0.05	-297.49	-	-	0.34	-14.40	0.12

#### Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate NO CONCLUSION

#### Notes:



## Multi-Chem Group, LLC

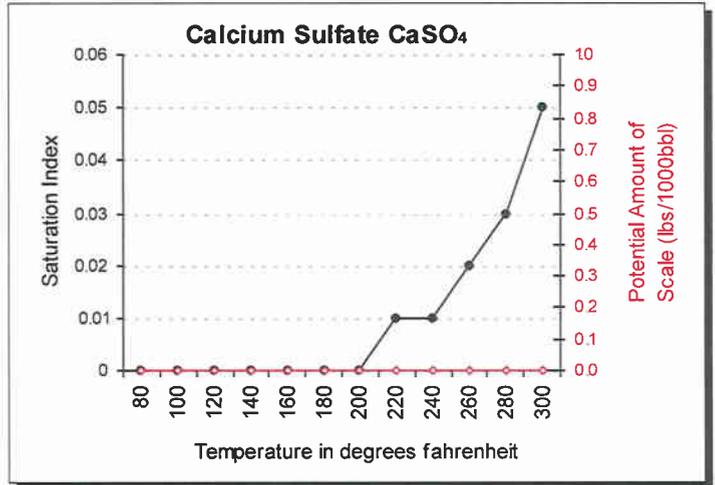
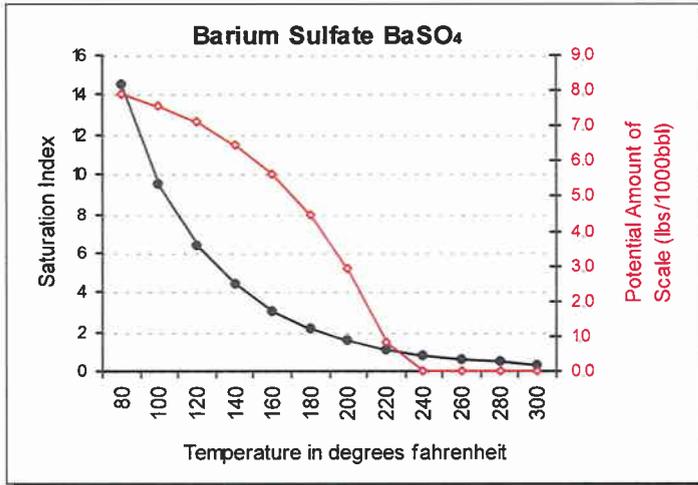
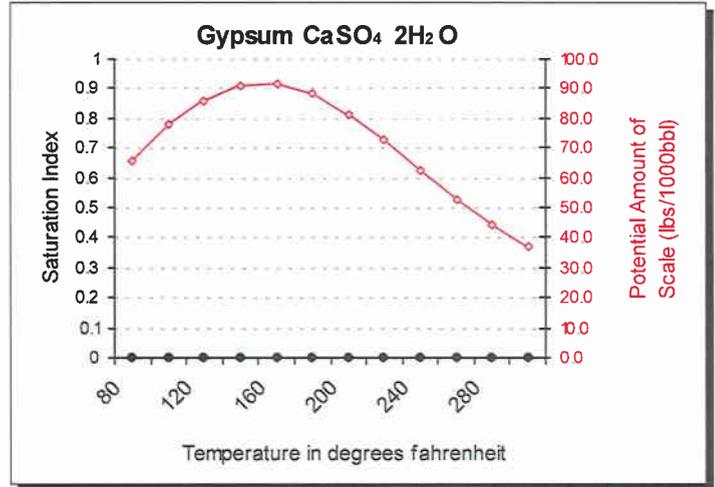
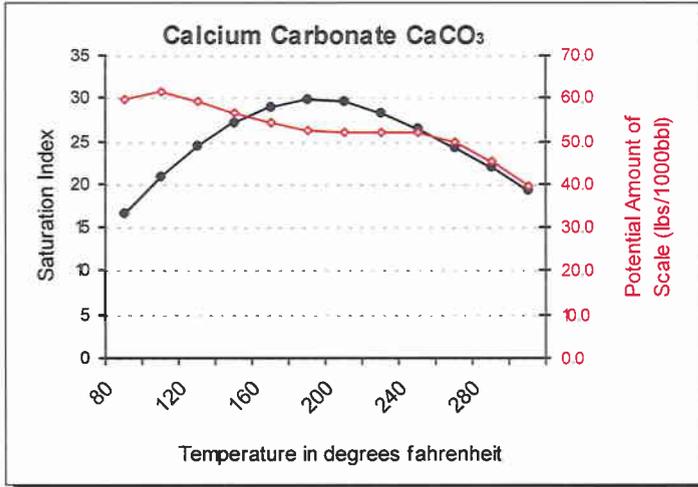
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 Vernal, UT 84078

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### Scale Prediction Graphs

Well Name: **ASHLEY INJECTION**

Sample ID: **WA-35264**





**Multi-Chem Group, LLC**  
 Multi-Chem Analytical Laboratory  
 1553 East Highway 40  
 Vernal, UT 84078

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## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**  
 Well Name: **Fed 44-6y-9-16**  
 Sample Point: **Tank**  
 Sample Date: **10/28/2010**  
 Sales Rep: **Monty Frost**  
 Lab Tech: **John Keel**

Sample ID: **WA-48665**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	10/28/2010	<b>Cations</b>	<b>mg/L</b>	<b>Anions</b>	<b>mg/L</b>
Temperature (°F):	100	Calcium (Ca):	4.80	Chloride (Cl):	10000.00
Sample Pressure (psig):		Magnesium (Mg):	1.30	Sulfate (SO <sub>4</sub> ):	-
Specific Gravity (g/cm <sup>3</sup> ):	1.0120	Barium (Ba):	1.50	Dissolved CO <sub>2</sub> :	-
pH:	7.5	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	878.00
Turbidity (NTU):	-	Sodium (Na):	6726.00	Carbonate (CO <sub>3</sub> ):	-
Calculated T.D.S. (mg/L):	17612	Potassium (K):	-	H <sub>2</sub> S:	-
Molar Conductivity (µS/cm):	26684	Iron (Fe):	0.03	Phosphate (PO <sub>4</sub> ):	-
Resistivity (Mohm):	0.3748	Manganese (Mn):	0.04	Silica (SiO <sub>2</sub> ):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
		Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub> psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100		0.15	-12.87	0.00	-2954.70	0.00	-3088.80	-	-	0.00	-13.72	0.68
80	0	0.11	-14.95	0.00	-22.67	0.00	-3272.60	-	-	0.00	-10.94	0.32
100	0	0.15	-12.87	0.00	-18.23	0.00	-3088.80	-	-	0.00	-13.72	0.40
120	0	0.19	-11.15	0.00	-14.75	0.00	-2813.90	-	-	0.00	-16.97	0.45
140	0	0.23	-9.67	0.00	-11.99	0.00	-2487.20	-	-	0.00	-20.71	0.50
160	0	0.28	-8.44	0.00	-9.79	0.00	-2142.60	-	-	0.00	-25.02	0.57
180	0	0.32	-7.43	0.00	-8.09	0.00	-1805.70	-	-	0.00	-29.95	0.62
200	0	0.36	-6.67	0.00	-6.79	0.00	-1493.90	-	-	0.00	-35.59	0.63
220	2.51	0.38	-6.27	0.00	-5.92	0.00	-1231.80	-	-	0.00	-42.56	0.63
240	10.3	0.39	-5.98	0.00	-5.24	0.00	-991.59	-	-	0.00	-50.05	0.64
260	20.76	0.39	-5.91	0.00	-4.79	0.00	-789.26	-	-	0.00	-58.60	0.65
280	34.54	0.38	-6.02	0.00	-4.50	0.00	-622.37	-	-	0.00	-68.34	0.66
300	52.34	0.35	-6.28	0.00	-4.35	0.00	-487.03	-	-	0.00	-79.48	0.68

**Conclusions:**

Calcium Carbonate Scaling Index is negative from 80°F to 300°F  
 Gypsum Scaling Index is negative from 80°F to 300°F  
 Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
 Strontium Sulfate scaling was not evaluated  
 Barium Sulfate Scaling Index is negative from 80°F to 300°F

**Notes:**

F  
4 of 4



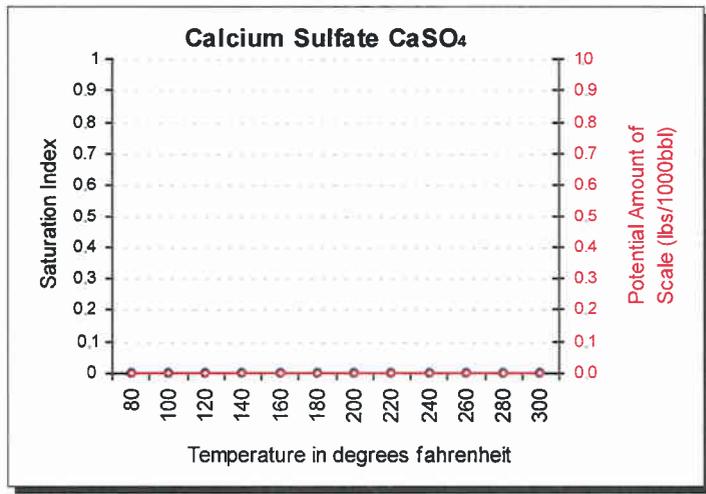
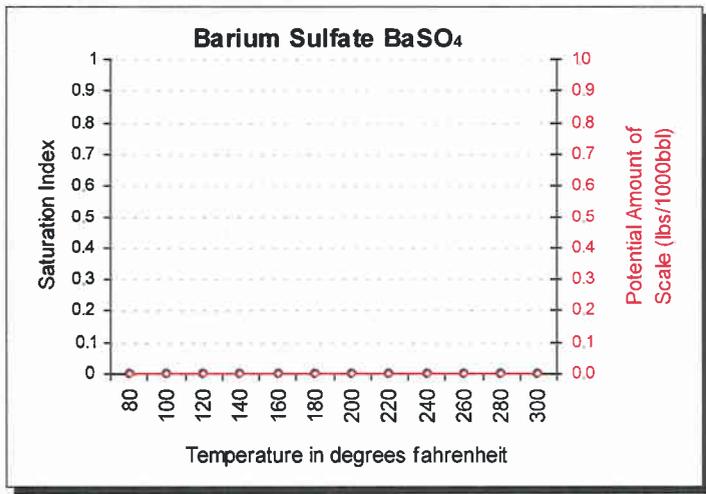
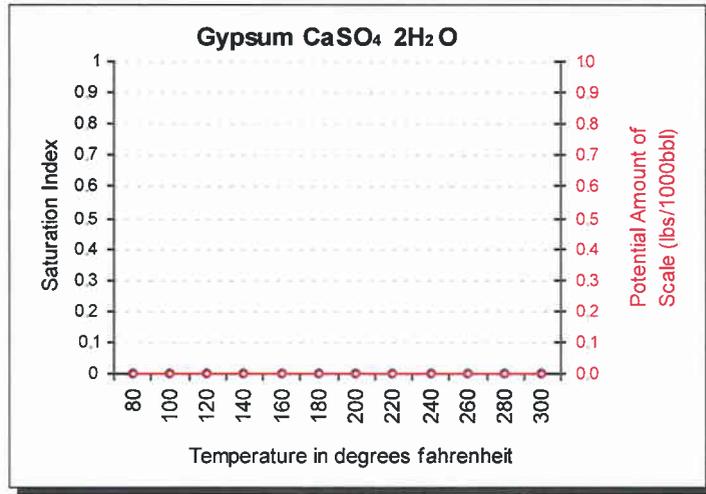
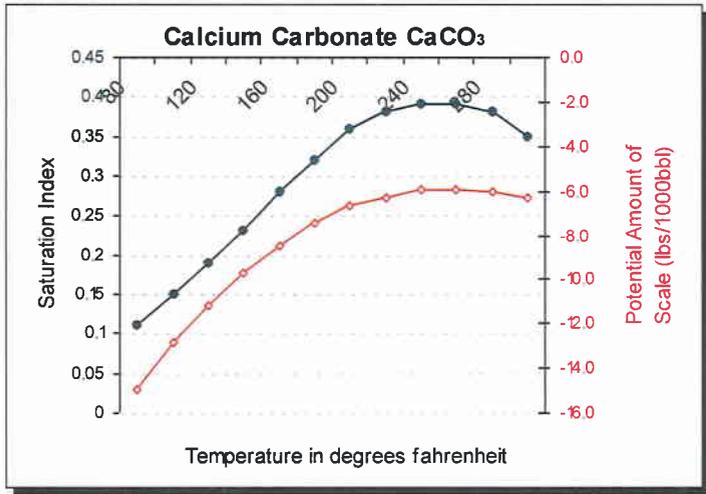
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Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

Scale Prediction Graphs

Well Name: Fed 44-6y-9-16

Sample ID: WA-48665



**Attachment "G"**

**Monument Federal #44-6Y-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5350	5384	5367	1950	0.80	1915
5087	5100	5094	1800	0.79	1767 ←
5704	5781	5743	2028	0.79	1991
5057	5061	5059	2020	0.83	1987
4303	4326	4315	1880	0.87	1852
				<b>Minimum</b>	<u><u>1767</u></u>

Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.

**EREC, Western Region  
DAILY OPERATING REPORT**

**MONUMENT FEDERAL #44-6-9-16Y**

**Location: Monument Butte Field  
Duchesne County, Utah  
816' FSL, 725' FEL**

---TIGHT HOLE---

01/03/97 TD: 4192' (1014') Day 4  
Formation: Sand & Shale  
Present Operation: Trip In Hole Bit #4  
Drilled 1014' of 7-7/8" hole & ran 2 surveys. Presently finishing a bit trip. Tripping in hole for bit #4.  
DC: \$18,252 CC: \$75,456

01/04/97 TD: 5191' (999') Day: 5  
Formation: Sand & Shale  
Present Operation: Drilling 7-7/8" hole  
Finish trip for change over to fluid, circulate hole. Drill 999' of 7-7/8" hole @ avg 57' per hour. Ran 1 survey @ 4700' - 1-1/2".  
DC: \$17,982 CC: \$93,438

01/05/97 TD: 5950' (759') Day: 6  
Formation: Sand & Shale  
Present Operation: Rig Up Loggers  
Drilled 759' of 7-7/8" hole. TD well @ 5950'. Circulate hole, lay down drill pipe and drill collars. Start rigging up loggers @ 6:00 AM.  
DC: \$13,662 CC: \$107,100

01/06/97 TD: 5950' (0') Day: 7  
Present Operation: Shut Down  
Circulate hole, log well, RU & run 5-1/2", J-55, 15.5# csg as follows:

Shoe	.90'
Shoe Joint	42.50'
Float Collar	1.10'
139 Joints Casing	5855.72'
Total Casing Length	5900.22'
Landing Joint	10.22'
Depth Landed	5910.22'
PBTD	5865.72'

Cemented 5-1/2" csg as follows: Lead - 305 sxs premium lite plus + 10% gel + 6#/sx PA-91 + .5% sod metas + 2#/sx Kolseal + 1/4#/sx Cello Flake. Tail - 385 sxs 50/50 poz + 2% gel + 1/4#/sx Cello Flake + 2#/sx Kolseal. Rig down and shut down.

12/07/97 Completion  
Dress up location, set rig anchors, set rig pump & tanks. MIRU Cannon Well Service Rig #2. NU 5-M well head. NU BOP. TIH w/4-3/4" bit, csg scrapper & 190 jts 2-7/8" tbg. Tag PBTD @ 5868' KB. Circulate hole clean w/140 bbls 2% KCL wtr. Press test csg to 1000 psi, OK. TOOH w/tbg & tools. SWIFD.  
DC: \$3,005 CC: \$110,105

*prod casing last day they drill.*

EREC, Western Region  
DAILY OPERATING REPORT

ATTACHMENT G-1

2 of 15

**MONUMENT FEDERAL #44-6-9-16Y**

**Location: Monument Butte Field  
Duchesne County, Utah  
816' FSL, 725' FEL**

---TIGHT HOLE---

- 01/08/97 Completion  
RU Schlumberger to run CBL & perf. Run CBL from 5855' KB to surface. TOC @ 100' KB. Perf 5350' - 5355' & 5377' - 5384', 4 SPF. TIH w/TS RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 176 jts 2-7/8" tbg. Set BP @ 5452' KB, EOT @ 5326' KB, pkr @ 5318' KB. RU BJ Services & break down 5350' - 5377' w/2730 gals 2% KCL wtr. ATP = 2200 psi, ATR = 3.8, ISIP = 1250 psi. Used 65 bbls wtr. Flowed back 10 bbls wtr. TOOH w/tbg, pkr & retrieving tool. SWIFD.  
DC: \$10,403 CC: \$120,508
- 10/09/97 Completion  
RU BJ Services & frac 5350' - 5384' w/14,532 gals 2% KCL wtr, 14,110 lbs 20/40 mesh sand & 26,520 lbs 16/30 mesh sand. ATP = 1950 psi, ATR = 26.3 bpm, ISIP = 1950 psi, 5 min = 1580 psi, 10 min = 1520 psi, 15 min = 1430 psi, 30 min = 1290 psi. Used 346 bbls wtr. Start forced closure flow back, .5 bpm. Flowed back 135 bbls wtr, trace sand. TIH w/retrieving tool, 21-3/8" x 4' sub, HD pkr, 2-7/8" SN & 172 jts 2-7/8" tbg. Tag sand @ 5304' KB. Circulate down to BP @ 5452' KB. Set pkr @ 5318' KB. Made 8 swab runs. Recovered 41 bbls wtr, gas cut, trace of sand. Final fluid level @ 1450'. SWIFD.  
DC: \$25,217 CC: \$145,725
- 01/10/97 Completion  
Fluid level 200'. Made 29 swab runs. Recovered 9 bbls oil & 134 bbls wtr, trace of sand, good gas. Oil 30% last 3 runs. Fluid level 2600' last 4 runs. No sand last 8 runs. Release pkr. Tag sand @ 5446' KB. Circulate down to BP @ 5452' KB. Release BP. Reset BP @ 5145' KB. TOOH w/tbg, pkr & retrieving tool. SWI until 1-13-97.  
DC: \$1,990 CC: \$147,715
- 01/13/97 Completion  
RU Schlumberger & perf 5087' - 5100', 4 SPF. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 162 jts 2-7/8" tbg. Set pkr @ 5013' KB, EOT @ 5021' KB. RU BJ Services & break down 5087' - 5100' w/2772 gals 2% KCL wtr. ATP = 1750 psi, ATR = 2.9 bpm, ISIP = 1200 psi. Used 66 bbls wtr. Flow back 10 bbls wtr. TOOH w/tbg, pkr & retrieving tool. SWIFD.  
DC: \$5,352 CC: \$153,067





**DAILY WORKOVER REPORT**

WELL NAME: Monument Federal 44-6y-9-16 Report Date: March 24, 2003 Day: 01  
 Operation: Re-completion Rig: Pool #820

**WELL STATUS**

Surf Csg: 8 5/8 @ 256' Prod Csg: 5 1/2 @ 5910' WT: 15.5# Csg PBTD: 5868'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 4947' BP/Sand PBTD: \_\_\_\_\_

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B sds	<u>5087-5100'</u>	<u>4/52</u>			
LODC sds	<u>5350-5355'</u>	<u>4/20</u>			
LODC sds	<u>5377-5384'</u>	<u>4/28</u>			

**CHRONOLOGICAL OPERATIONS**

Date Work Performed: March 22, 2003 SITP: 0 SICP: 0

MIRU Pool # 820. RU HO trk to casing & pump 100 BW @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods w/ 60 BW @ 250°F. Reseat pump, soft joint rod string & strip off flow T. Fill tbg w/ 9 BW. Pressure up to 2000 psi and burst tbg. Retrieve rod string & unseat pump. TOH w/ 107 plain 3/4" rods. Became waxie. Flush rods w/ 30 BW @ 250°F. Finsh TOH w/ rod string & LD pump. ND wellhead. Unset TA @ 5316. NU BOP. Tally out of hole w/ 16 jts tbg looking for hole. SIFN W/ 190 BWTR.

**FLUID RECOVERY (BBLs)**

Starting fluid load to be recovered: 0 Starting oil rec to date: 0  
 Fluid lost/recovered today: 190 Oil lost/recovered today: 0  
 Ending fluid to be recovered: 190 Cum oil recovered: 0  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

**ROD DETAIL**

**COSTS**

AS PULLED	AS PULLED	COSTS
KB 10'	1 1/4" X 22' polished rod	Pool rig \$1,872
172 2 7/8 J-55 tbg (5306.12')	1-8', 1-2' X 3/4" pony rods	Weatherford BOP \$130
TA @ 5316' KB	91-3/4" scraped rods	IPC water & truck \$700
2 2 7/8 J-55 tbg (58.35')	107-3/4" plain rods	IPC trucking \$1,000
SN @ 5377' KB	10-3/4" scraped rods	Zubiate HO trk \$600
2 2 7/8 J-55 tbg (62.39')	5-1 1/2" weight rods	Randys pump repair \$1,000
2 7/8 NC @ 5441' KB	1-2' X 1" pony rod	Weatherford scraper \$300
	1-1 1/2" weight rod	Randys TA repair \$350
	1-2' X 1" pony rod	Tiger trking (frac tks) \$1,200
	2 1/2" X 1 1/2" RHAC pump	IPC supervision \$300

Workover Supervisor: Ray Herrera

DAILY COST: \$7,452  
 TOTAL WELL COST: \$7,452



DAILY WORKOVER REPORT

WELL NAME: Monument Federal 44-6y-9-16 Report Date: March 25, 2003 Day: 02  
Operation: Re-completion Rig: Pool #820

WELL STATUS

Surf Csg: 8 5/8 @ 256' Prod Csg: 5 1/2 @ 5910' WT: 15.5# Csg PBTD: 5868'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 4175' BP/Sand PBTD: 5842'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B sds	5087-5100'	4/52			
LODC sds	5350-5355'	4/20			
LODC sds	5377-5384'	4/28			

CHRONOLOGICAL OPERATIONS

Date Work Performed: March 24, 2003 SITP: 0 SICP: 0

Con't TOH & talley production tbg--LD BHA. Did not find hole in tbg. Talley, PU & TIH W/ 2 7/8 NC, 5 1/2" casing scraper & 2 7/8 8rd 6.5# N-80 tbg. Tag fill @ 5828'. Establish rev circulation W/ 90 BW. C/O to 5842' (lack 26' f/ PBTD). Experiencing plugging problems. Circ hole clean. Lost add'l 20 BW. TOH W/ tbg to 4175'. SIFN W/ est 309 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 199(adj) Starting oil rec to date: 0  
Fluid lost/recovered today: 110 Oil lost/recovered today: 0  
Ending fluid to be recovered: 309 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

ROD DETAIL

COSTS

AS PULLED	AS PULLED	COSTS
KB 10'	1 1/4" X 22' polished rod	Pool rig \$3,030
172 2 7/8 J-55 tbg (5306.12')	1-8', 1-2' X 3/4" pony rods	Weatherford BOP \$130
TA @ 5316' KB	91-3/4" scraped rods	IPC supervision \$300
2 2 7/8 J-55 tbg (58.35')	107-3/4" plain rods	
SN @ 5377' KB	10-3/4" scraped rods	
2 2 7/8 J-55 tbg (62.39')	5-1 1/2" weight rods	
2 7/8 NC @ 5441' KB	1-2' X 1" pony rod	
	1-1 1/2" weight rod	
	1-2' X 1" pony rod	
	2 1/2" X 1 1/2" RHAC pump	

Workover Supervisor: Gary Dietz

DAILY COST: \$3,460  
TOTAL WELL COST: \$10,912



DAILY WORKOVER REPORT

WELL NAME: Monument Federal 44-6y-9-16 Report Date: March 26, 2003 Day: 03  
Operation: Re-completion Rig: Pool #820

WELL STATUS

Surf Csg: 8 5/8 @ 256' Prod Csg: 5 1/2 @ 5910' WT: 15.5# Csg PBDT: 5868'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @:            BP/Sand PBDT: 5842'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B sds	<u>5087-5100'</u>	<u>4/52</u>			
LODC sds	<u>5350-5355'</u>	<u>4/20</u>			
LODC sds	<u>5377-5384'</u>	<u>4/28</u>			
CP 2 sds	<u>5777 - 5781'</u> new	<u>4/16</u>			
CP.5 sds	<u>5704 - 5720'</u> new	<u>4/64</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: March 24, 2003 SITP: 0 SICP: 0

Con't TOH W/ 129 jts N-80 tbg & csg scraper, NC. RU patterson WLT & perf new intervals W/ 4" ported perf guns as follows: Stage # 1: CP2 sds @ 5777-81', CP.5 sds 5704 - 20'. All 4 JSPF in one gun run. RD WLT. TIH W/ weatherford 5 1/2" "HD" pkr & 174 jts N-80 tbg set pkr @ 5626'. RU schlumberger pumping services and frac CP2 & CP.5 sands w/ 33 bbls pad & 75300# 20/40 sand in YF 125 fluid. Perf broke bown @ 3319 psi. Treated @ ave press of 4386 psi w/ ave rate of 17.2 bpm. ISIP 2028 psi. RD schlumberger. Begin immediate flow back of CP frac on 12/64 choke @ 1bpm. Zone flowed 2 1/2 hrs & died. Rec 128 BTF (est 22 % of frac load ). Release pkr & TOH. LD pkr. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 309 Starting oil rec to date: 0  
Fluid lost/recovered today: 428 Oil lost/recovered today: 0  
Ending fluid to be recovered: 737 Cum oil recovered: 0  
IFL:            FFL:            FTP:            Choke:            Final Fluid Rate:            Final oil cut:           

STIMULATION DETAIL

Base Fluid used: YF 125 Job Type: Sand frac

Company: Schlumberger

Procedure or Equipment detail: Csg frac CP sands

- 3800 gals of YF 125 pad.
- 1800 gals 1.0 ppg of 20/40 sand.
- 5300 gals 3.0 ppg of 20/40 sand.
- 7500 gals 6.5 ppg of 20/40 sand.
- 3300 gals 8.0 ppg of 20/40 sand.
- 1387gals of WF 110 fluid.

COSTS

Pool rig	\$2,614
Weatherford BOP	\$130
IPC supervision	\$300
Weatherford tools	\$1,600
Patterson WLT	\$2,415

Max TP: 6451 Max Rate: 18.6 Total fluid pmpd: 556  
Avg TP: 4386 Avg Rate: 17.2 Total Prop pmpd: 19560#  
ISIP: 2028 5 min:            10 min:            FG: .78  
Workover Supervisor: Ray Herrera

DAILY COST: \$7,059  
TOTAL WELL COST: \$17,971



DAILY WORKOVER REPORT

WELL NAME: Monument Federal 44-6y-9-16 Report Date: March 27, 2003 Day: 04  
Operation: Re-completion Rig: Pool #820

WELL STATUS

Surf Csg: 8 5/8 @ 256' Prod Csg: 5 1/2 @ 5910' WT: 15.5# Csg PBDT: 5868'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: \_\_\_\_\_ BP/Sand PBDT: 5842'  
PBDT: 5075'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			B sds	5087 - 5100'	4/52
			LODC sds	5350 - 5355'	4/20
			LODC sds	5377 - 5384'	4/28
			CP 2 sds	5777 - 5381'	New 4/16
B 1 sds	5057 - 5061'	New 4/16	CP.5 sds	5704 - 5720'	New 4/64

CHRONOLOGICAL OPERATIONS

Date Work Performed: March 26, 2003 SITP: 0 SICP: 0

Day 4(a):

RU Patterson WLT & set "HE" RBP @ 5075'. Perf new intervals W/ 4" ported perf guns B1 sds @ 5057 -5061' w/ 4 JSPF in 1 gun run. RD WLT. RU Schlumberger pumping services and frac B1 sands w/ 19 bbls pad & 20500# 20/40 sand in YF fluid. Perf broke down @ 1990 psi. Treated @ ave press of 2668 psi w/ ave rate of 18.8 bpm. ISIP 2020 psi. RD Schlumberger.

See day 4 (b).

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 737 Starting oil rec to date: 0  
Fluid lost/recovered today: 234 Oil lost/recovered today: 0  
Ending fluid to be recovered: 971 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: YF 125 Job Type: Sand frac

Company: Schlumberger

Procedure or Equipment detail: Csg frac B1 sands

- 800 gals of YF 125 pad.
- 400 gals 1.0 ppg of 20/40 sand.
- 1200 gals 3.0 ppg of 20/40 sand.
- 1600 gals 6.5 ppg of 20/40 sand.
- 700 gals 8.0 ppg of 20/40 sand.
- 4938 gals of WF 110 fluid.

COSTS

RNI	\$500
Weatherford BOP	\$130
IPC supervision	\$300
Weatherford tools	\$1,000
Patterson WLT	\$2,500

Max TP: 3670 Max Rate: 21.1 Total fluid pmpd: 234  
Avg TP: 2668 Avg Rate: 18.1 Total Prop pmpd: 19560#  
ISIP: 2020 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .83  
Workover Supervisor: Ray Herrera

DAILY COST: \$4,430  
TOTAL WELL COST: \$22,401



DAILY WORKOVER REPORT

WELL NAME: Monument Federal 44-6y-9-16 Report Date: March 27, 2003 Day: 04  
Operation: Re-completion Rig: Pool #820

WELL STATUS

Surf Csg: 8 5/8 @ 256' Prod Csg: 5 1/2 @ 5910' WT: 15.5# Csg PBDT: 5868'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 4489' BP/Sand PBDT: 5842'  
PBDT: 5075'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			B sds	5087 - 5100'	4/52
			LODC sds	5350 - 5355'	4/20
			LODC sds	5377 - 5384'	4/28
			CP 2 sds	5777 - 5381'	New 4/16
B 1 sds	5057 - 5061'	New 4/16	CP.5 sds	5704 - 5720'	New 4/64

CHRONOLOGICAL OPERATIONS

Date Work Performed: March 26, 2003 SITP: 0 SICP: 0

Day 4(b):

RU Patterson WLT & set "HE" RBP @ 4820'. Perf new intervals W/ 4" ported perf guns DS 3 sds @ 4768 - 4775' w/ 4 JSPF in 1 gun run. RD WLT. RU Schlumberger pumping services to frac DS 3 sds. Unable to breakdown perfs after several attempts W/ 4400 psi max pressure. RU Patterson WLT & spot 7 gallons 15% HCL acid across perfs 4768 - 4775'. RD WLT. frac DS 3 sands w/ 23 bbls pad & 9109# 20/40 sand in YF fluid. Perf broke down @ 3250 psi. Treated @ ave press of 2636 psi w/ ave rate of 15.8 bpm. Screen out w/ 47 bbls flush in csg. (Est 15928# sand left in csg. TIH W/ tbg to 4489' Circ sand well clean. TOH W/ 40 jts tbg. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 971 Starting oil rec to date: 0  
Fluid lost/recovered today: 193 Oil lost/recovered today: 0  
Ending fluid to be recovered: 1164 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: YF 125 Job Type: Sand frac

Company: Schlumberger

Procedure or Equipment detail: Csg frac B1 sands

- 987 gals of YF 125 pad.
- 487 gals 1.0 ppg of 20/40 sand.
- 1515 gals 3.0 ppg of 20/40 sand.
- 2016 gals 6.5 ppg of 20/40 sand.
- 1078 gals 8.0 ppg of 20/40 sand.
- 2058 gals of WF 110 fluid.

COSTS

Pool # 820	\$2,881
Weatherford BOP	
IPC supervision	
Weatherford tools	\$1,000
Patterson WLT	\$2,500

Max TP: 3670 Max Rate: 18.4 Total fluid pmpd: 193  
Avg TP: 2836 Avg Rate: 13.8 Total Prop pmpd: 25000#  
ISIP: 5174 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: NA  
Workover Supervisor: Ray Herrera

DAILY COST: \$6,381  
TOTAL WELL COST: \$28,782



DAILY WORKOVER REPORT

WELL NAME: Monument Federal 44-6y-9-16 Report Date: March 28, 2003 Day: 05  
Operation: Re-completion Rig: Pool #820

WELL STATUS

Surf Csg: 8 5/8 @ 256' Prod Csg: 5 1/2 @ 5910' WT: 15.5# Csg PBDT: 5868'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: N-80 Pkr/EOT @: 3425' BP/Sand PBDT: 5842'  
PBDT: 5075'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB 4 sds	4303 - 4307'	New 4/16	B sds	5087 - 5100'	4/52
GB 4 sds	4313 - 4316'	New 4/12	LODC sds	5350 - 5355'	4/20
GB 4 sds	4323 - 4326'	New 4/12	LODC sds	5377 - 5384'	4/28
DS3 sds	4768 - 4775'	New 4/28	CP 2 sds	5777 - 5381'	New 4/16
B 1 sds	5057 - 5061'	New 4/16	CP.5 sds	5704 - 5720'	New 4/64

CHRONOLOGICAL OPERATIONS

Date Work Performed: March 27, 2003 SITP: 0 SICP: 0

Open well no pressure. TIH w/ 40 jts tbg EOT @ 4489'. Did not tag sand. Cric well clean. TOH. RU Patterson WLT & set "HE" RBP @ 4360'. Perf new intervals W/4" ported perf guns GB4 sands @ 4323 -4326', 4313 - 4316', 4303 - 4307' W/ 4 JSPF in 1 gun run. RD WLT. RU Schlumberger pumping services to frac GB sands w/ 59 bbls pad & 23044# 20/40 sand in YF fluid. Perfs broke down @ 3325 psi. Treated @ ave press of 1669 psi w/ ave rate of 18.0 bpm. ISIP 1880 psi. RD Schlumberger services. Begin immediate flowback of frac on 12/64 choke @ 1 BPM. Zone flowed 2 hrs & died. Rec 88 BTF (est 31% of frac load). PU RH & TIH W/ 135 jts tbg. Tag sand @ 4325'. Clean out sand to top of "HE" plug @ 4360' (35' fill). Cric well clean. Release "HE" plug. TOH W/ 30 jts tbg. SWIFN. Est 928 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1164 Starting oil rec to date: 0  
Fluid lost/recovered today: 192 Oil lost/recovered today: 0  
Ending fluid to be recovered: 1356 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: YF 125 Job Type: Sand frac

Company: Schlumberger

Procedure or Equipment detail: Csg frac GB4 sands

- 2520 gals of YF 125 pad.
- 480 gals 1.0 ppg of 20/40 sand.
- 1500 gals 3.0 ppg of 20/40 sand.
- 2000 gals 6.5 ppg of 20/40 sand.
- 880 gals 8.0 ppg of 20/40 sand.
- 4201 gals of WF 110 fluid.

COSTS

Pool # 820	\$2,928
Weatherford BOP	\$130
IPC supervision	\$300
Weatherford tools	\$1,000
Patterson WLT	\$1,589
Tiger frac tanks (5day)	\$1,600
Zubiate heat frac wt	\$3,000
Betts trk (frac water)	\$2,400
RNI disposal	\$500
IPC frac valve	\$300
Schlumberger frac	\$46,585

Max TP: 3315 Max Rate: 20.6 Total fluid pmpd: 280  
Avg TP: 1669 Avg Rate: 18.0 Total Prop pmpd: 23044#  
ISIP: 1880 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .87  
Workover Supervisor: Ray Herrera

DAILY COST: \$60,332  
TOTAL WELL COST: \$89,114













DAILY WORKOVER REPORT

WELL NAME: Monument Federal 44-6y-9-16 Report Date: April 4, 2003 Day: 11  
Operation: Re-completion Rig: Pool #820

WELL STATUS

Surf Csg: 8 5/8 @ 256' Prod Csg: 5 1/2 @ 5910' WT: 15.5# Csg PBDT: 5868'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 5757' BP/Sand PBDT: 5842'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB 4 sds	4303 - 4307'	New 4/16	B sds	5087 - 5100'	4/52
GB 4 sds	4313 - 4316'	New 4/12	LODC sds	5350 - 5355'	4/20
GB 4 sds	4323 - 4326'	New 4/12	LODC sds	5377 - 5384'	4/28
DS3 sds	4768 - 4775'	New 4/28	CP 2 sds	5777 - 5381'	New 4/16
B 1 sds	5057 - 5061'	New 4/16	CP.5 sds	5704 - 5720'	New 4/64

CHRONOLOGICAL OPERATIONS

Date Work Performed: April 3, 2003 SITP: 0 SICP: 0

PU & prime Randy's 2 1/2" x 1 1/2" x 14 RHAC pump & TIH W/ rod string as follows: 6 1/2" weight rods, 10 -3/4" scrappered rods, 121 -3/4" plain rods, 90 -3/4" scrappered rods & 1 1/4" x 22' polished rod. Space out rods. Hang head. Fill tbg w/ 4 BW & Stroke unit up to 200 psi. Pressure test pump to 800 psi. Place well on production @ 1:00 pm on 4/3/03 W/ 96" SL @ 5 SPM. RDMOL. Est 1513 BWTR.

Final Report.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1509 Starting oil rec to date: 70  
Fluid lost/recovered today: 4 Oil lost/recovered today: 0  
Ending fluid to be recovered: 1513 Cum oil recovered: 70  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

TUBING DETAIL

ROD DETAIL

COSTS

TUBING DETAIL	ROD DETAIL	COSTS
10.00' KB	1 1/4" X 22 Polished rod	Pool # 820 \$1,448
182 2 7/8 J-55 tbg ( 5651.90' )	90 - 3/4" scrappered rods	IPC supervision \$300
TA 2.76 ( 5661.90' KB )	121 - 3/4" plain rods	Zubiate HO trk \$262
1 2 7/8 J -55 ( 31.20 )	10 - 3/4" scrappered rods	14-3/4" plain( B ) rods \$350
SN 1.10' ( 5695.86' KB )	6 - 1 1/2" weight rods	IPC Clean up \$500
2 2 7/8 J-55 tbg ( 60.47' )	2 1/2" x 1 1/2" x 14 RHAC	IPC swab tks (2x11) \$990
NC .40	Randy's pump	MT west sanitation \$350
EOT @ 5757.83'		IPC frac head \$300

DAILY COST: \$4,500

TOTAL WELL COST: \$119,352

Workover Supervisor: Ray Herrera

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4253'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 253' balance plug using 29 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 36 sx Class "G" cement down 5 1/2" casing to 306'

The approximate cost to plug and abandon this well is \$42,000.

## Monument Federal 44-6-9-16

Spud Date: 12/29/96  
 Put on Production: 4/3/03  
 GL: 5861' KB: 5875'

Initial Production: 17.5 BOPD,  
 43.1 MCFPD, 25 BWPD

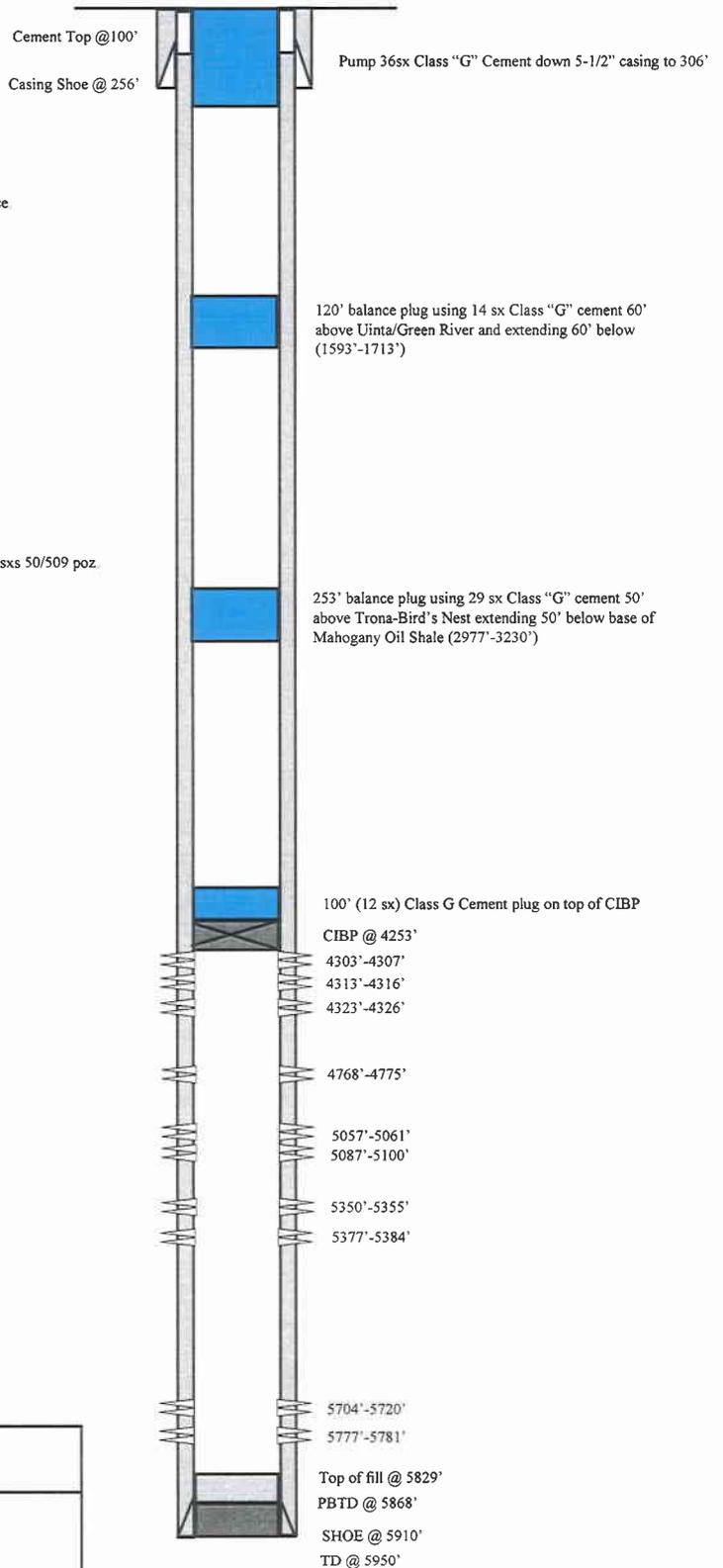
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (246')  
 DEPTH LANDED: 256'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. Cement to surface

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5900')  
 DEPTH LANDED: 5910'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 305 sxs premium lite cement, tail w/385 sxs 50/509 poz.  
 TOP OF CEMENT: 100' per CBL



**NEWFIELD**

---

**Monument Federal #44-6-9-16Y**

816' FSL & 725' FEL  
 SESE Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31720; Lease #UTU-74390

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

3a. Address    Route 3 Box 3630  
                   Myton, UT 84052

3b. Phone    (include area code)  
                   435 646 3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 816 FSL 725 FEL  
 SESE Section 6 T9S R16E

5. Lease Serial No.  
 USA UTU-74390

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
 GMBU

8. Well Name and No.  
 MON FED 44-6-9-16Y

9. API Well No.  
 4301331720

10. Field and Pool, or Exploratory Area  
 GREATER MB UNIT

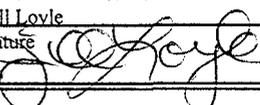
11. County or Parish, State  
 DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Jill Lovle	Title Regulatory Technician
Signature 	Date 1/10/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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



# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Geoff Liesik on oath, say that I am the EDITOR of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 1 day of February, 20 11, and that the last publication of such notice was in the issue of such newspaper dated the 1 day of February, 20 11, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

*G. Liesik*

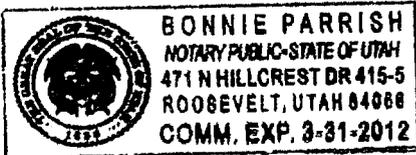
Editor

Subscribed and sworn to before me this

1 day of February, 20 11

*Bonnie Parrish*

Notary Public



**BEFORE THE  
DIVISION OF  
OIL, GAS AND  
MINING  
DEPARTMENT  
OF NATURAL  
RESOURCES  
STATE OF  
UTAH  
NOTICE OF  
AGENCY  
ACTION  
CAUSE NO.  
UIC-371**

IN THE MATTER OF  
THE APPLICATION OF  
NEWFIELD PRODUCTION COMPANY FOR  
ADMINISTRATIVE APPROVAL OF CERTAIN  
WELLS LOCATED IN  
SECTION 33, TOWNSHIP 8 SOUTH, RANGE  
16 EAST, SECTION 1,  
TOWNSHIP 6 SOUTH,  
RANGE 15 EAST, AND  
SECTIONS 3, 9, 10, 11,  
AND 13, TOWNSHIP

Continued on next page

Continued from  
previous page

9 SOUTH, RANGE 16  
EAST, DUCHESNE  
COUNTY, UTAH, AS  
CLASS II INJECTION  
WELLS.

THE STATE OF UTAH  
TO ALL PERSONS IN-  
TERESTED IN THE  
ABOVE ENTITLED  
MATTER.

Notice is hereby given  
that the Division of Oil,  
Gas and Mining of the

**BEFORE THE  
DIVISION OF  
OIL, GAS AND  
MINING  
DEPARTMENT  
OF NATURAL  
RESOURCES**

Published in the Uintah  
Basin Standard February  
1 & 8, 2011

3393  
Utah. Phone 435-722-  
East 1000 South, Ballard,  
Ballard City Offices, 2381

meeting should notify  
Kaelyn Meyers at the  
Ballard City Offices, 2381

modifications during this  
needing special accom-  
modations during this

abilities Act, individuals  
the Americans with Dis-  
In compliance with

face, 435-722-3393.  
at the Ballard Water of-  
may contact Kirby Young

Ballard Water Im-  
provement District will  
hold a public hearing to

public regarding raising  
for Residential Homes  
and to amend the contract

to include the residents  
within the Water District  
Boundaries in the regular

billings cycles on February  
15, 2011 at 6:00 PM. For  
further information re-

garding the changes, you  
may contact Kirby Young  
at the Ballard Water of-  
face, 435-722-3393.

**NOTICE OF A  
PUBLIC  
HEARING**

Ballard Water Im-  
provement District will  
hold a public hearing to

public regarding raising  
for Residential Homes  
and to amend the contract

to include the residents  
within the Water District  
Boundaries in the regular

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-371

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 1, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 3, 6, 10, 11, AND 13, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Federal 33-33-B well located in NW/4 SE/4, Section 33, Township 8 South, Range 16 East  
Ashley Federal 2-1 well located in NW/4 NE/4, Section 1, Township 9 South, Range 15 East  
South Wells Draw 4-3-9-16 well located in NW/4 NW/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw 14-3-9-16 well located in SE/4 SW/4, Section 3, Township 9 South, Range 16 East  
Monument Federal 44-6-9-16Y well located in SE/4 SE/4, Section 6, Township 9 South, Range 16 East  
Castle Peak Federal 24-10A well located in SE/4 SW/4, Section 10, Township 9 South, Range 16 East  
Castle Peak Federal 44-10 well located in SE/4 SE/4, Section 10, Township 9 South, Range 16 East  
Monument Federal 13-11J well located in NW/4 SW/4, Section 11, Township 9 South, Range 16 East  
Monument Federal 33-11J well located in NW/4 SE/4, Section 11, Township 9 South, Range 16 East  
Monument Federal 42-11J well located in SE/4 NE/4, Section 11, Township 9 South, Range 16 East  
Federal 1-13-9-16 well located in NE/4 NE/4, Section 13, Township 9 South, Range 16 East

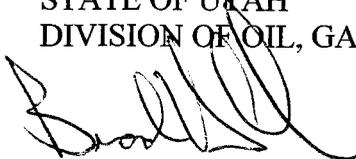
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 20th day of January, 2011.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**FEDERAL 33-33-B, ASHLEY FEDERAL 2-1,  
SOUTH WELLS DRAW 4-3-9-16, SOUTH WELLS DRAW 14-3-9-16,  
MONUMENT FEDERAL 44-6-9-16Y, CASTLE PEAK FEDERAL 24-10A,  
CASTLE PEAK FEDERAL 44-10,  
MONUMENT FEDERAL 13-11J, MONUMENT FEDERAL 33-11J,  
MONUMENT FEDERAL 42-11J, FEDERAL 1-13-9-16.**

**Cause No. UIC-371**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

SITLA  
675 East 500 South  
Salt Lake City, UT 84102-2818

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_

**Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-371**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 1/24/2011 11:02 AM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-371

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Ad #658258 is scheduled to run January 27th in Salt Lake Tribune and Online utahlegals.com .

Total charge is \$197.50. Please check the ad in the paper.

Thank you,

Lynn Valdez  
MediaOne of Utah,  
a Newspaper Agency Company  
4770 South 5600 West  
West Valley City, Utah 84118  
Ph.: 801-204-6245  
Email: naclegal@mediaoneutah.com

---

**From:** Jean Sweet [mailto:jsweet@utah.gov]  
**Sent:** Monday, January 24, 2011 10:07 AM  
**To:** naclegal@mediaoneutah.com  
**Subject:** Notice of Agency Action – Newfield Production Company Cause No. UIC-371

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

January 20, 2011

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-371

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-371**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 1/27/2011 3:12 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-371

---

On 1/24/2011 10:07 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

Received. Thank you. It will be published Feb. 1, 2011.  
Cindy



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

January 20, 2011

Via e-mail: [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-371

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 22, 2011

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Federal 44-6-9-16Y, Section 6, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31720

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

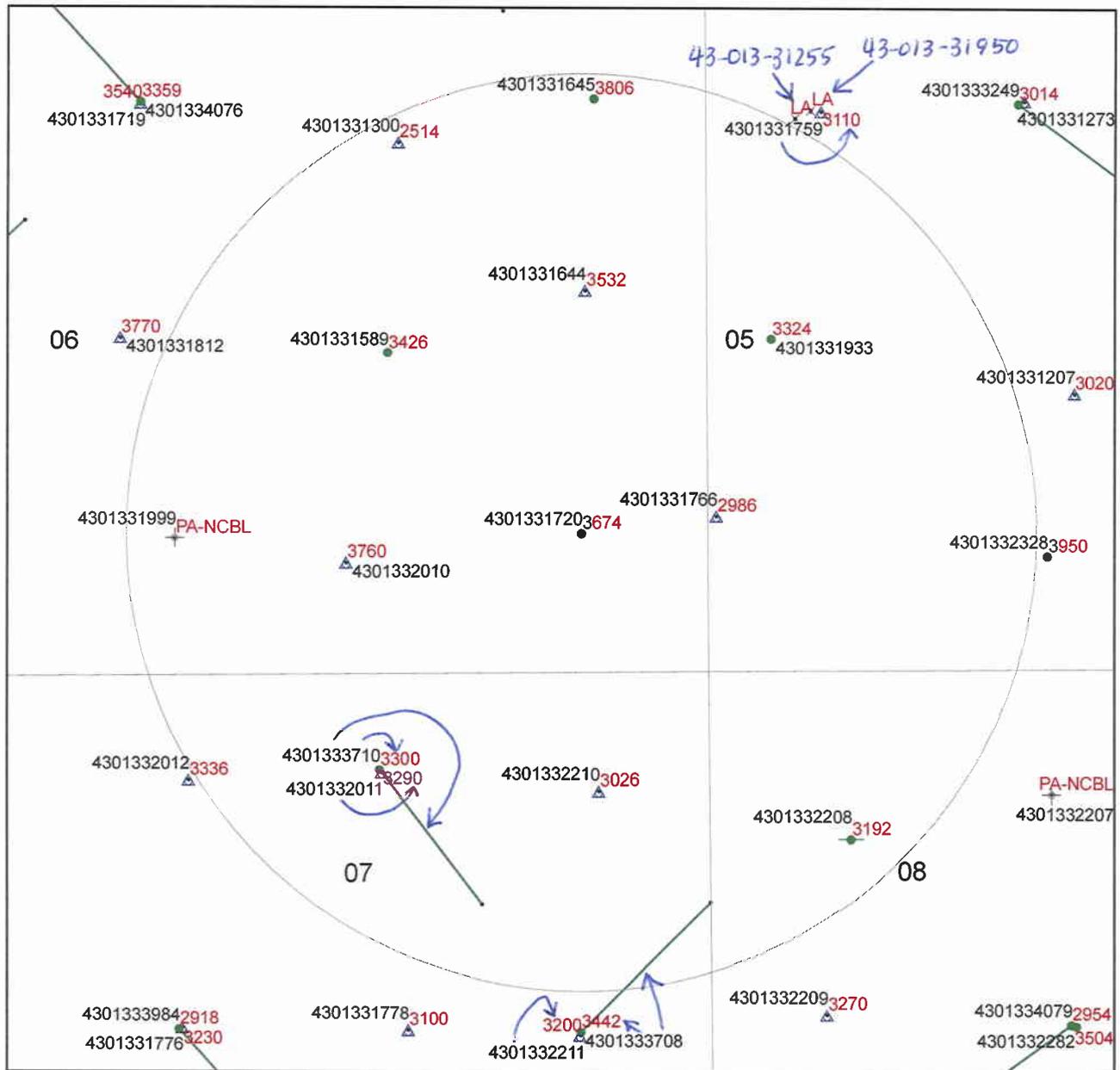
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





# Cement Bond Tops

## MONUMENT FEDERAL 44-6-9-16Y

### API #43-013-31720

### UIC-371.5

**Legend**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>Buffer_of_SGID93_ENERGY_DNROI#GasWells_13</li> <li>GAS INJECTION</li> <li>TW</li> <li>TA</li> <li>OPS</li> <li>GS</li> <li>APD</li> <li>PA</li> <li>LA</li> <li>GAS STORAGE</li> <li>LOCATION ABANDONED</li> <li>NEW LOCATION</li> <li>PLUGGED &amp; ABANDONED</li> <li>PRODUCING GAS</li> </ul> | <ul style="list-style-type: none"> <li>PRODUCING OIL</li> <li>SHUT-IN GAS</li> <li>SHUT-IN OIL</li> <li>TEMP ABANDONED</li> <li>TEST WELL</li> <li>WATER INJECTION</li> <li>WATER SUPPLY</li> <li>WATER DISPOSAL</li> <li>DRILLING</li> <li>RETURNED GAS</li> <li>RETURNED OIL</li> <li>GAS INJECTION SI</li> <li>WATER DISP. SUSP</li> <li>WATER INJ. SUSP.</li> <li>Sections</li> <li>Wells-CbhopsMaster2_08_11</li> <li>SGID93_ENERGY.DNROI#GasWells_HDPATH</li> </ul> |
|---|---|



1870calc = approx cement top calculated from well completion report



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Federal 44-6-9-16Y

**Location:** 6/9S/16E      **API:** 43-013-31720

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 256 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,910 feet. A cement bond log demonstrates adequate bond in this well up to about 3,674 feet. A 2 7/8 inch tubing with a packer will be set at 4,253 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, there are 5 producing wells, 4 injection wells, 1P/A well, and 1 shut-in well in the AOR. In addition, there is 1 producing well which is directionally drilled, with a surface location outside the AOR and a bottom hole location inside the AOR. All of the existing wells have evidence of adequate casing and cement.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 600 feet. Injection shall be limited to the interval between 4,121 feet and 5,868 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 44-6-9-16Y well is 0.79 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,767 psig. The requested maximum pressure is 1,767 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 44-6-9-16Y**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date 2/7/2011

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74390
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: MON FED 44-6-9-16Y
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013317200000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0816 FSL 0725 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/22/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 05/21/2012. On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1500 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

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

**Date:** June 04, 2012  
**By:**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 5/25/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 5/22/12 Time 10:00  am  pm  
Test Conducted by: Dale Giles  
Others Present: \_\_\_\_\_

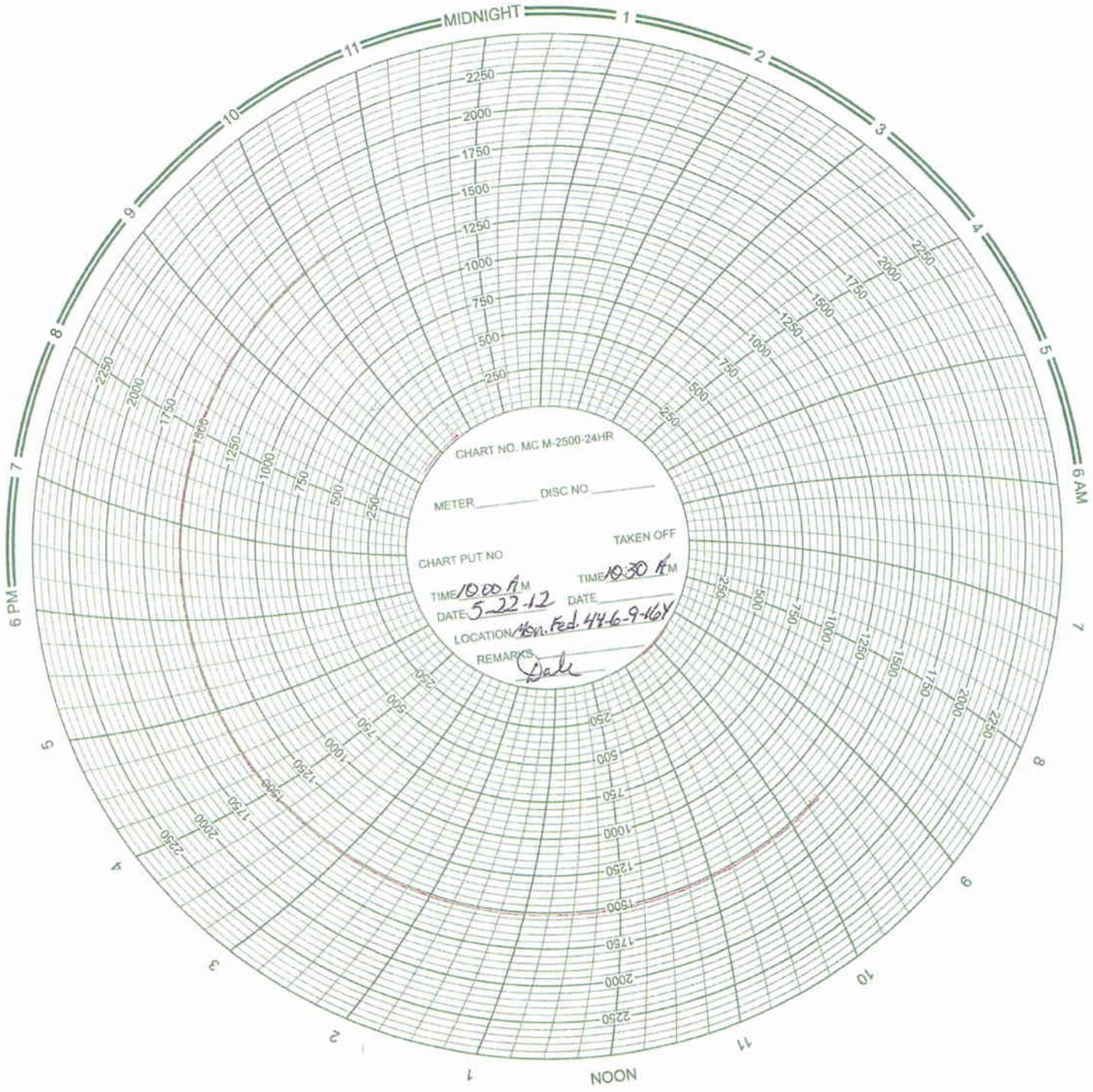
Well: <u>Monument Fed. 44-6-9-16Y</u>	Field: <u>Monument Butte</u>
Well Location: <u>SE/SE Sec. 6, T9S, R16E</u>	API No: <u>43-013-31720</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1500</u>	psig
5	<u>1500</u>	psig
10	<u>1500</u>	psig
15	<u>1500</u>	psig
20	<u>1500</u>	psig
25	<u>1500</u>	psig
30 min	<u>1500</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:  Pass  Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Dale Giles



## Daily Activity Report

Format For Sundry

**MON 44-6Y-9-16**

**3/1/2012 To 7/30/2012**

**5/18/2012 Day: 1**

**Conversion**

NC #1 on 5/18/2012 - MIRU NC#1,Wt On Benco To Pull Tst Anchors,R/D Unit,U/S pmp, Flush Tbg,Seat pmp,P/Tst Tbg To 3500 Psi,Good Tst.POOH L/D Rod Prod String & pmp,C/SDFN. - 8:30AM Move In NC#1, Spot Rig. Wt On Benco To Pull Test Guyline Anchors. R/U NC#1, BMW H/Oiler pmp 60 BW D/Csg, R/D Unit, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-2 BW, P/Test Tbg To 3,500 Psi Good Test. Unseat pmp, POOH L/D Rod Production String. H/Oiler Flush Tbg W/-40 BW On TOOHDue To Oil, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 8:30AM Move In NC#1, Spot Rig. Wt On Benco To Pull Test Guyline Anchors. R/U NC#1, BMW H/Oiler pmp 60 BW D/Csg, R/D Unit, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-2 BW, P/Test Tbg To 3,500 Psi Good Test. Unseat pmp, POOH L/D Rod Production String. H/Oiler Flush Tbg W/-40 BW On TOOHDue To Oil, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 8:30AM Move In NC#1, Spot Rig. Wt On Benco To Pull Test Guyline Anchors. R/U NC#1, BMW H/Oiler pmp 60 BW D/Csg, R/D Unit, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, Fill Tbg W/-2 BW, P/Test Tbg To 3,500 Psi Good Test. Unseat pmp, POOH L/D Rod Production String. H/Oiler Flush Tbg W/-40 BW On TOOHDue To Oil, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$7,504

**5/19/2012 Day: 2**

**Conversion**

NC #1 on 5/19/2012 - POOH W/-Tbg Prod, Breaking & Redoping Tool Jts,L/D Excess Tbg,RIH W/-S/N,Pkr,135 Jts Tbg,pmp Pad Drop S/V, P/Tst Tbg. C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, N/D W/-HD, N/U BOP, R/U R/Flr, BMW H/Oiler Flush Tbg W/-20 BW Due To Oil. Rel T/A, POOH W/-135 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, L/D 44 Jts Tbg, T/A, 1 Jt Tbg,S/N, 1 Jt Tbg, N.C. On Float. Flushed Tbg W/-60 BW On TOOHDue To Oil. P/U & RIH W/-2 3/8 S/N, 5 1/2" Arrow # 1 Pkr, On Off Tool, 138 Jts 2 7/8 Tbg,pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg, P/Test Tbg To 3000 Psi Ovr Night, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, N/D W/-HD, N/U BOP, R/U R/Flr, BMW H/Oiler Flush Tbg W/-20 BW Due To Oil. Rel T/A, POOH W/-135 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, L/D 44 Jts Tbg, T/A, 1 Jt Tbg,S/N, 1 Jt Tbg, N.C. On Float. Flushed Tbg W/-60 BW On TOOHDue To Oil. P/U & RIH W/-2 3/8 S/N, 5 1/2" Arrow # 1 Pkr, On Off Tool, 138 Jts 2 7/8 Tbg,pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg, P/Test Tbg To 3000 Psi Ovr Night, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, N/D W/-HD, N/U BOP, R/U R/Flr, BMW H/Oiler Flush Tbg W/-20 BW Due To Oil. Rel T/A, POOH W/-135 Jts Tbg In Derrick Breaking & Redoping Tool Jts W/-Liq O Ring, L/D 44 Jts Tbg, T/A, 1 Jt Tbg,S/N, 1 Jt Tbg, N.C. On Float. Flushed Tbg W/-60 BW On TOOHDue To Oil. P/U & RIH W/-2 3/8 S/N, 5 1/2" Arrow # 1 Pkr, On Off Tool, 138 Jts 2 7/8 Tbg,pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg, P/Test Tbg To 3000 Psi Ovr Night, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$15,190

**5/21/2012 Day: 3**

**Conversion**

NC #1 on 5/21/2012 - Chek Tbg Psi 3,000 Psi Good Tst. Fish SV,N/D BOP,pmp 70 BW W/-20 Gal Pkr Fluid D/Csg,Set Pkr,N/U W/-HD,P/Tst Csg & Pkr To 1,500 Psi,Good Test. R/D Rig. Well

Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. BMW H/Oiler pmp 70 BW W/-20 Gal Pkr Fluid D/Csg. N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. Rack Out Eq, R/D Rig @11:30AM , Well Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. BMW H/Oiler pmp 70 BW W/-20 Gal Pkr Fluid D/Csg. N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. Rack Out Eq, R/D Rig @11:30AM , Well Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD. BMW H/Oiler pmp 70 BW W/-20 Gal Pkr Fluid D/Csg. N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD. P/Test Csg & Pkr To 1,500 Psi, Good Test. Rack Out Eq, R/D Rig @11:30AM , Well Ready For MIT ( Final Rig Report ). **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$26,360**5/23/2012 Day: 4****Conversion**

Rigless on 5/23/2012 - Conduct initial MIT - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1500 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1500 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 05/21/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/22/2012 the casing was pressured up to 1500 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$103,680**Pertinent Files:** Go to File List



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

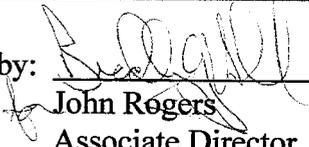
Cause No. UIC-371

**Operator:** Newfield Production Company  
**Well:** Monument Federal 44-6-9-16Y  
**Location:** Section 6, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31720  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 22, 2011.
2. Maximum Allowable Injection Pressure: 1,767 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,121' – 5,868')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: \_\_\_\_\_

  
John Rogers  
Associate Director

06-05-12  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74390
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: MON FED 44-6-9-16Y
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013317200000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0816 FSL 0725 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>6/21/2012</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Put on Injection"/>

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

The above reference well was put on injection at 2:00 PM on  
**06/21/2012.**

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
  
**Date:** June 28, 2012  
  
**By:**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/22/2012	

# Monument Federal 44-6-9-16

Spud Date: 12/29/96  
 Put on Production: 4/3/03  
 GL: 5861' KB: 5875'

Initial Production: 17.5 BOPD,  
 43.1 MCFPD, 25 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

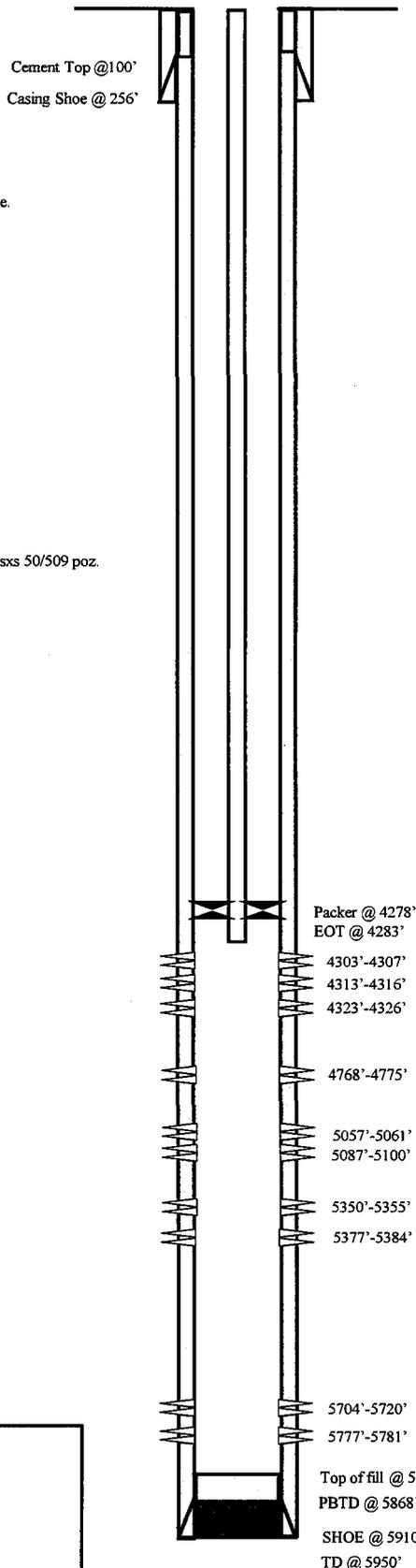
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (246')  
 DEPTH LANDED: 256'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. Cement to surface.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5900')  
 DEPTH LANDED: 5910'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 305 sxs premium lite cement, tail w/385 sxs 50/509 poz.  
 TOP OF CEMENT: 100' per CBL.

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 138 jts (4263.1')  
 ON/OFF TOOL: 1 jt 1.5' @ 4273.1'  
 CE @ 4277.90'  
 SEATING NIPPLE: 2-3/8" (1.10)  
 SN LANDED AT: 4282'  
 TOTAL STRING LENGTH: EOT @ 4283'



### FRAC JOB

1/9/97	5350'-5384'	14,110# 20/40 sand + 26,520# 16/30 sand in 346 bbls 2% KCL wtr. Avg. treating press. 1950 psi, @ 26.3 bpm, ISIP: 1950 psi. Calc. flush: 5350 gal. Actual flush: 5334 gal.
1/13/97	5087'-5100'	11,430# 20/40 sand + 28,020# 16/30 sand in 343 bbls 2% KCL wtr. Avg. treating press. 1900 psi, @ 26.2 bpm, ISIP: 1800 psi. Calc. flush: 5087 gal. Actual flush: 5040 gal.
2/6/02		<b>Tubing leak.</b> Update rod and tubing details.
1/8/03		<b>Pump Change.</b> Update rod details.
3/24/03	5704'-5781'	<b>Frac CP sands as follows:</b> 75,300# 20/40 sand in YF 125 fluid. Treated @ avg. press. 4386 psi, with avg. rate of 17.2 bpm, ISIP: 2028 psi. Calc. flush: 1490 gal. Actual flush: 1387 gal.
3/26/03	5057'-5061'	<b>Frac B1 sands as follows:</b> 20,500# 20/40 sand in YF 125 fluid. Treated @ avg. press. 2668 psi, with avg. rate of 18.8 bpm, ISIP: 2020 psi. Calc. flush: 5057 gal. Actual flush: 4938 gal.
3/26/03	4768'-4775'	<b>Frac DS3 sands as follows:</b> 9,109# 20/40 sand in YF 125 fluid. Treated @ avg. press. 2636 psi, with avg. rate of 15.8 bpm, Screened out, ISIP: NA psi. Calc. flush: 4768 gal. Actual flush: 2058 gal.
3/27/03	4303'-4326'	<b>Frac GB sands as follows:</b> 23,044# 20/40 sand in YF 125 fluid. Treated @ avg. press. 1669 psi, with avg. rate of 18.0 bpm, ISIP: 1880 psi. Calc. flush: 4303 gal. Actual flush: 4201 gal.
9/10/03		<b>Stuck Plunger.</b> Update rod details.
11/04/03		<b>Tubing Leak :</b> Update rod and tubing report.
12-12-07		<b>Pump Change.</b> Updated rod & tubing details.
2/6/09		<b>Pump Change.</b> Updated r & t detail.
3/10/11		<b>Parted Rods.</b> Updated rod & tubing detail
05/21/12		<b>Convert to Injection Well</b>
05/22/12		<b>Conversion MIT Finalized</b> - update tbg detail

### PERFORATION RECORD

1/08/97	5350'-5355'	4 SPF	20 holes
1/08/97	5377'-5384'	4 SPF	28 holes
1/13/97	5087'-5100'	4 SPF	52 holes
3/24/03	5777'-5781'	4 SPF	16 holes
3/24/03	5704'-5720'	4 SPF	64 holes
3/26/03	5087'-5100'	4 SPF	52 holes
3/26/03	5057'-5061'	4 SPF	16 holes
3/27/03	4768'-4775'	4 SPF	28 holes
3/27/03	4323'-4326'	4 SPF	12 holes
3/27/03	4313'-4316'	4 SPF	12 holes
3/27/03	4303'-4307'	4 SPF	16 holes

**NEWFIELD**



**Monument Federal 44-6-9-16Y**

816' FSL & 725' FEL

SESE Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31720; Lease #UTU-74390

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> MON FED 44-6-9-16Y
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013317200000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0816 FSL 0725 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/30/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Step Rate Test"/>

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

A step rate test was conducted on the subject well on 07/30/2013. Results from the test indicate that the fracture gradient is 0.869 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1767 psi to 1850 psi.

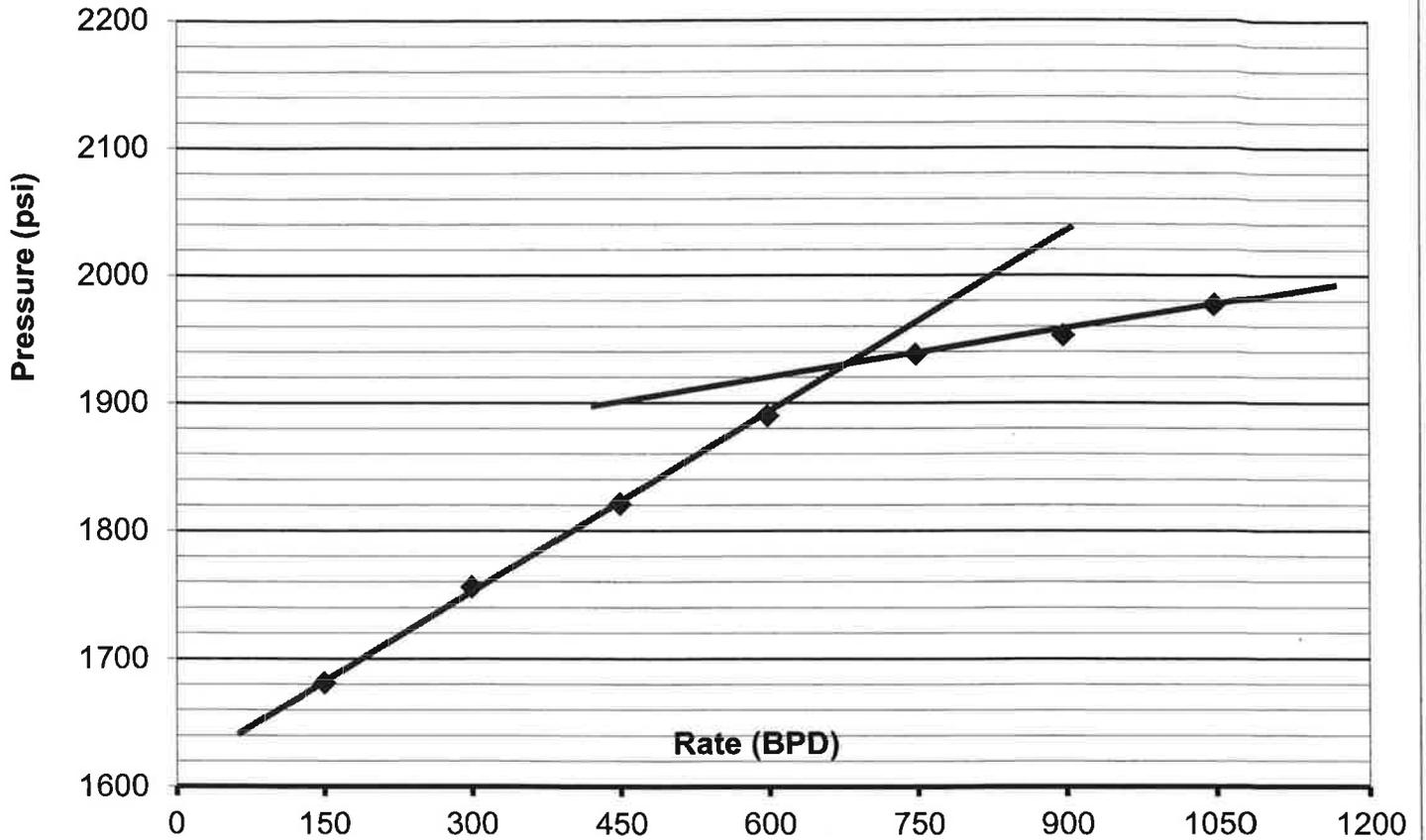
**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: September 12, 2013

By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/1/2013	

**Monument Federal 44-6Y-9-16  
Greater Monument Butte Unit  
Step Rate Test  
July 30, 2013**



		<u>Step</u>	<u>Rate(bpd)</u>	<u>Pressure(psi)</u>
<b>Start Pressure:</b>	1599 psi	1	150	1681
		2	300	1756
<b>Top Perforation:</b>	4303 feet	3	450	1821
<b>Fracture pressure (Pfp):</b>	1850 psi	4	600	1890
<b>FG:</b>	0.869 psi/ft	5	750	1938
		6	900	1953
		7	1050	1977

**Data Table Report**

Report Name: PrTemp1000 Data Table  
 Report Date: 07/31/2013 13:47:44  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\Monument Federal 44-6Y-9-16 SRT (7-30-13).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N89296  
 Device ID: PrTemp  
 Data Start Date: Jul 30, 2013 08:15:02 AM MDT  
 Data End Date: Jul 30, 2013 12:15:02 PM MDT  
 Reading: 1 to 49 of 49  
 Reading Rate: 30 Seconds  
 Last Calibration Date: Sep 18, 2012  
 Next Calibration Date: Sep 18, 2013  
 Next Calibration Date: Sep 18, 2013

**Monument Federal 44-6Y-9-16 SRT (7-30-13)**

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 2 PSIA
1	Jul 30, 2013 08:15:02 AM	1600.6
2	Jul 30, 2013 08:20:02 AM	1601.2
3	Jul 30, 2013 08:25:02 AM	1601
4	Jul 30, 2013 08:30:02 AM	1600.4
5	Jul 30, 2013 08:35:03 AM	1600.2
6	Jul 30, 2013 08:40:02 AM	1600
7	Jul 30, 2013 08:45:03 AM	1599.4
8	Jul 30, 2013 08:50:02 AM	1633
9	Jul 30, 2013 08:55:03 AM	1650
10	Jul 30, 2013 09:00:02 AM	1661.4
11	Jul 30, 2013 09:05:02 AM	1669.6
12	Jul 30, 2013 09:10:02 AM	1676.4
13	Jul 30, 2013 09:15:02 AM	1681.4
14	Jul 30, 2013 09:20:03 AM	1710.4
15	Jul 30, 2013 09:25:02 AM	1723.2
16	Jul 30, 2013 09:30:03 AM	1733.2
17	Jul 30, 2013 09:35:02 AM	1742
18	Jul 30, 2013 09:40:03 AM	1750.4
19	Jul 30, 2013 09:45:02 AM	1756.2
20	Jul 30, 2013 09:50:02 AM	1783.2
21	Jul 30, 2013 09:55:02 AM	1792.6
22	Jul 30, 2013 10:00:02 AM	1801.8
23	Jul 30, 2013 10:05:03 AM	1811.2
24	Jul 30, 2013 10:10:02 AM	1817
25	Jul 30, 2013 10:15:03 AM	1820.8
26	Jul 30, 2013 10:20:02 AM	1852.6
27	Jul 30, 2013 10:25:03 AM	1864.2
28	Jul 30, 2013 10:30:02 AM	1875.4
29	Jul 30, 2013 10:35:02 AM	1883.4
30	Jul 30, 2013 10:40:02 AM	1885.4
31	Jul 30, 2013 10:45:02 AM	1889.6
32	Jul 30, 2013 10:50:03 AM	1913.8
33	Jul 30, 2013 10:55:02 AM	1922.6
34	Jul 30, 2013 11:00:03 AM	1928.4
35	Jul 30, 2013 11:05:02 AM	1933.8
36	Jul 30, 2013 11:10:03 AM	1934.4
37	Jul 30, 2013 11:15:02 AM	1937.8
38	Jul 30, 2013 11:20:02 AM	1942.8

**Monument Federal 44-6Y-9-16 SRT (7-30-13)**

Unit Type (All Units)

<b>Reading</b>	<b>DateTime (MDT)</b>	<b>Channel 2 PSIA</b>
39	Jul 30, 2013 11:25:02 AM	1947.6
40	Jul 30, 2013 11:30:02 AM	1951.2
41	Jul 30, 2013 11:35:03 AM	1950.6
42	Jul 30, 2013 11:40:02 AM	1952.2
43	Jul 30, 2013 11:45:03 AM	1953.2
44	Jul 30, 2013 11:50:02 AM	1966
45	Jul 30, 2013 11:55:03 AM	1972.8
46	Jul 30, 2013 12:00:02 PM	1975.6
47	Jul 30, 2013 12:05:02 PM	1975.2
48	Jul 30, 2013 12:10:02 PM	1974
49	Jul 30, 2013 12:15:02 PM	1977

End of Report

**Data Table Report**

Report Name: PrTemp1000 Data Table  
 Report Date: 07/31/2013 13:45:57  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\Monument Federal 44-6Y-9-16 ISIP (7-30-13).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N89296  
 Device ID: PrTemp  
 Data Start Date: Jul 30, 2013 12:15:13 PM MDT  
 Data End Date: Jul 30, 2013 12:45:13 PM MDT  
 Reading: 1 to 31 of 31  
 Reading Rate: 30 Seconds  
 Last Calibration Date: Sep 18, 2012  
 Next Calibration Date: Sep 18, 2013  
 Next Calibration Date: Sep 18, 2013

**Monument Federal 44-6Y-9-16 ISIP (7-30-13)**

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 2 PSIA
1	Jul 30, 2013 12:15:13 PM	1979.6
2	Jul 30, 2013 12:16:13 PM	1929.4
3	Jul 30, 2013 12:17:12 PM	1915.4
4	Jul 30, 2013 12:18:13 PM	1903.8
5	Jul 30, 2013 12:19:13 PM	1894.4
6	Jul 30, 2013 12:20:12 PM	1886.6
7	Jul 30, 2013 12:21:13 PM	1879.2
8	Jul 30, 2013 12:22:13 PM	1873
9	Jul 30, 2013 12:23:13 PM	1866.6
10	Jul 30, 2013 12:24:13 PM	1861.2
11	Jul 30, 2013 12:25:13 PM	1856.2
12	Jul 30, 2013 12:26:13 PM	1851.4
13	Jul 30, 2013 12:27:12 PM	1847.4
14	Jul 30, 2013 12:28:13 PM	1843.8
15	Jul 30, 2013 12:29:13 PM	1839.6
16	Jul 30, 2013 12:30:12 PM	1836.2
17	Jul 30, 2013 12:31:13 PM	1833
18	Jul 30, 2013 12:32:13 PM	1829.8
19	Jul 30, 2013 12:33:12 PM	1827.2
20	Jul 30, 2013 12:34:13 PM	1824.2
21	Jul 30, 2013 12:35:13 PM	1821.4
22	Jul 30, 2013 12:36:12 PM	1819.4
23	Jul 30, 2013 12:37:13 PM	1816.8
24	Jul 30, 2013 12:38:13 PM	1814.6
25	Jul 30, 2013 12:39:13 PM	1812.2
26	Jul 30, 2013 12:40:13 PM	1810.2
27	Jul 30, 2013 12:41:13 PM	1808.4
28	Jul 30, 2013 12:42:13 PM	1806.4
29	Jul 30, 2013 12:43:12 PM	1804.6
30	Jul 30, 2013 12:44:13 PM	1803
31	Jul 30, 2013 12:45:13 PM	1801.8

End of Report

