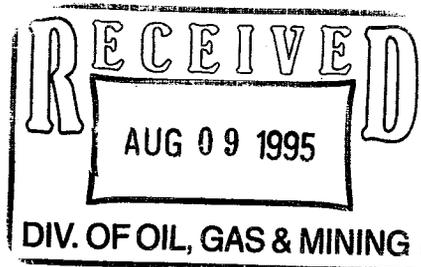




August 8, 1995

*State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Three Triad Center Suite 350  
Salt Lake City Utah 84180-1203*



**ATTENTION: Mike Hebertson**

**RE: Monument Butte Federal #4-1  
NW/NW Sec. 1, T9S, R16E  
Duchesne County, Utah**

*Dear Mike,*

*Enclosed is a copy of the Application For Permit to Drill, for the above referenced well.*

*Please do not hesitate to call me if you have any questions at the Roosevelt office, (801) 722-5103.*

*Sincerely,*  
*Cheryl Cameron*  
Cheryl Cameron  
Secretary, Drilling & Completion

*/cc  
Enclosures*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**  
SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)  
AUG 09 1995  
DIV. OF OIL, GAS & MINING

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

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

2. NAME OF OPERATOR  
 LOMAX EXPLORATION COMPANY

3. ADDRESS OF OPERATOR  
 P.O. Box 1446      Roosevelt, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 608' FWL & 799' FNL  
 At proposed prod. zone: NW/NW Sec 1, T9S, R16E

5. LEASE DESIGNATION AND SERIAL NO.  
 U-72103

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Monument Butte Federal

9. WELL NO.  
 #4-1

10. FIELD AND POOL, OR WILDCAT  
 Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec 1, T9S, R16E

12. COUNTY OR PARISH      13. STATE  
 Duchesne      UT

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12.7

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 608'

16. NO. OF ACRES IN LEASE  
 120.10

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 1541

19. PROPOSED DEPTH  
 6500'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5407 GR

22. APPROX. DATE WORK WILL START\*  
 3rd Quarter 1995

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	240 sx Class C + 2% CaCl
7 7/8	5 1/2	15.5#	TD	530 sx Hilift followed by 450 sx Class G w/2% CaCl

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 Donn Murphy TITLE Engineering Manager DATE 7/26/95

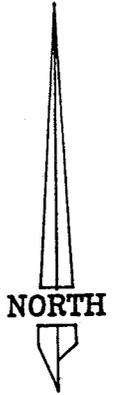
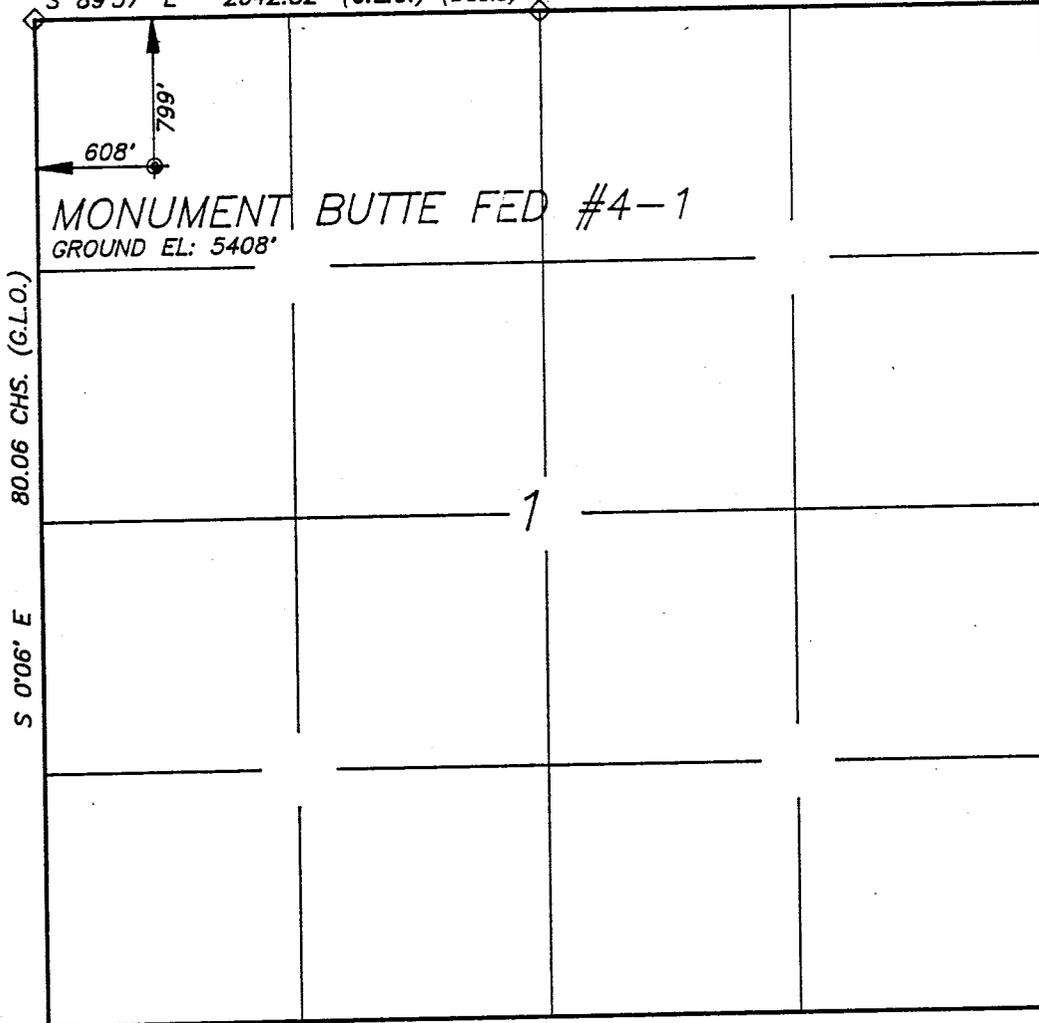
(This space for Federal or State office use)  
 PERMIT NO. 43-013-31545  
 APPROVED BY J. B. Matthews TITLE Petroleum Engineer DATE 8/22/95  
 CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

**LOMAX EXPLORATION CO.**  
**WELL LOCATION PLAT**  
**MONUMENT BUTTE FED #4-1**

LOCATED IN THE NW1/4 OF THE NW1/4  
 SECTION 1, T9S, R16E, S.L.B.&M.

S 89°57' E 2642.82' (G.L.O.) (basis)

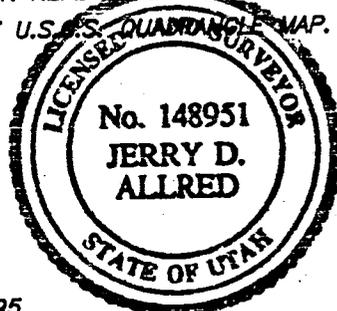


SCALE: 1" = 1000'

**LEGEND AND NOTES**

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S. QUADRANGLE MAP.



**SURVEYOR'S CERTIFICATE**

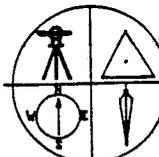
I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Jerry D. Allred*

JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
 CERTIFICATE NO. 148951 (UTAH)

REV 2 AUG 1995  
 30 JUNE 1995

84-121-019



**JERRY D. ALLRED & ASSOCIATES**  
 SURVEYING CONSULTANTS  
 121 NORTH CENTER STREET  
 P.O. BOX 975  
 DUCHESNE, UTAH 84021  
 (801)-738-5352

**LOMAX EXPLORATION COMPANY  
MONUMENT BUTTE FEDERAL #4-1  
NW/NW SECTION 1, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' - 3030'
Green River	3030'
Wasatch	6500'

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

Green River Formation 4000' - 6200' - Oil

4. **PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)  
5 1/2", J-55, 15.5# w/ LT&C collars; set at TD (New)

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Hydril Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

It is proposed that the hole be drilled with fresh water to Green River Formation @ approximately 3030', and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'. The cement log will be run from PBTD to cement top. The use of mudloggers to be determined at a later date.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the 3rd quarter of 1995, and take approximately nine days to drill.

**LOMAX EXPLORATION COMPANY  
MONUMENT BUTTE FEDERAL #4-1  
NW/NW SECTION 1, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Lomax Exploration Company well location site Monument Butte Federal #4-1 located in the NW 1/4 NW 1/4 Section 1, T9S, R16E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 6.3 miles to its junction with an existing dirt road to the southwest; proceed west along this road 2.8 miles to its junction with an existing dirt road to the south; proceed southeasterly along this road 2.1 miles to its intersection with the beginning of the proposed access road to be discussed in item #7.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the NW 1/4 NW 1/4 Section 1, T8S, R16E, S.L.B. & M., and proceeds in a easterly direction approximately 20' to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

There are eight (8) producing, six (6) injection, and one (1) shut-in, Lomax Exploration wells, seven (7) producing, four (4) injection, Balcron wells, within a one (1) mile radius of this location.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be placed on a per Sundry Notice if the well is completed as a producer.

All permanent (on site for six (6) months or longer) structures constructed or installed (including pumping units) will be painted Desert Tan. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

At the present time, it is anticipated that the water for this well will be transported through a temporary surface pipeline from our pre-approved Lomax Exploration Company fresh water supply line located at the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E) location as indicated on Topographic Map - Exhibit "C".

In the event this water source is not used an alternate source will be used and all the necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road. (Pit lining material is referred to in Item #7.)

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

A reserve pit will be constructed and lined with a plastic nylon reinforced line so as not to leak, break, or allow discharge. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The line will overlap the pit wall 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 on in the pit.

After first production, produced water will be confined to a pit or storage tank for a period not to exceed one hundred twenty (120) days. During the one hundred twenty (120) day period, in accordance with the onshore order #7, an application for approval of permanent disposal method and location, along with required water analysis, shall be submitted for the Authorized Officers approval.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the south side between stakes 4 & 5.

There will be no flare pit on this well.

The stockpiled topsoil (first six (6) inches) will be stored on the East side near stake 7.

Access to the well pad will be from the northwest side near stake 8.

Fencing Requirements

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

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.

- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

a) *Producing Location*

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

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

The reserve pit and that portion of the location not needed for production facilities/operations will be re contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons, all cans, barrels, pipe, etc., removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per B.L.M. and stated in the conditions of approval.

b) *Dry Hole Abandoned Location*

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

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

- a) Lomax Exploration Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Lomax is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Lomax Exploration will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization: However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

There are no dwellings or facilities in the general area. There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. See cultural survey attached.

*Additional Surface Stipulations*

A silt catchment dam will be constructed at flagged area, approximately 300' east of location.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Lomax Exploration is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

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

Lomax Exploration Company or a contractor employed by Lomax Exploration shall contact the B.L.M. office at (801) 789-1362, 48 hours prior to construction activities.

The B.L.M. office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham  
Address: P.O. Box 1446 Roosevelt, Utah 84066  
Telephone: (801) 722-5103

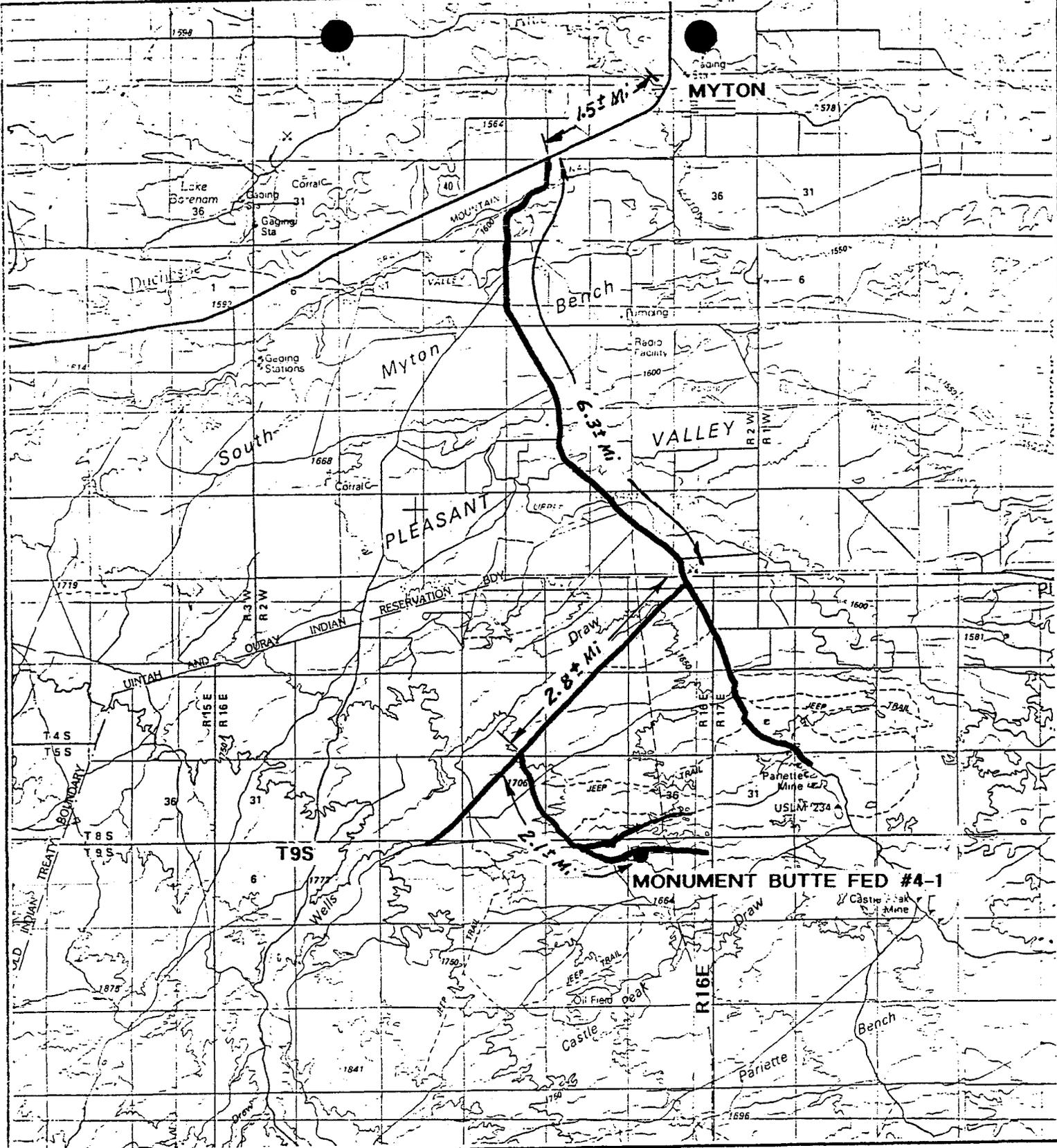
Certification

Please be advised that LOMAX EXPLORATION COMPANY is considered to be the operator of Well #4-1 NW/NW Section 1, Township 9S, Range 16E: Lease #U-72103; Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

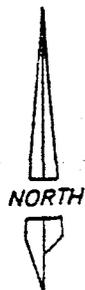
I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Lomax Exploration 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.

7/27/95  
Date

Donn Murphy  
~~Brad Mecham~~ Donn Murphy  
Eng. Operations Manager



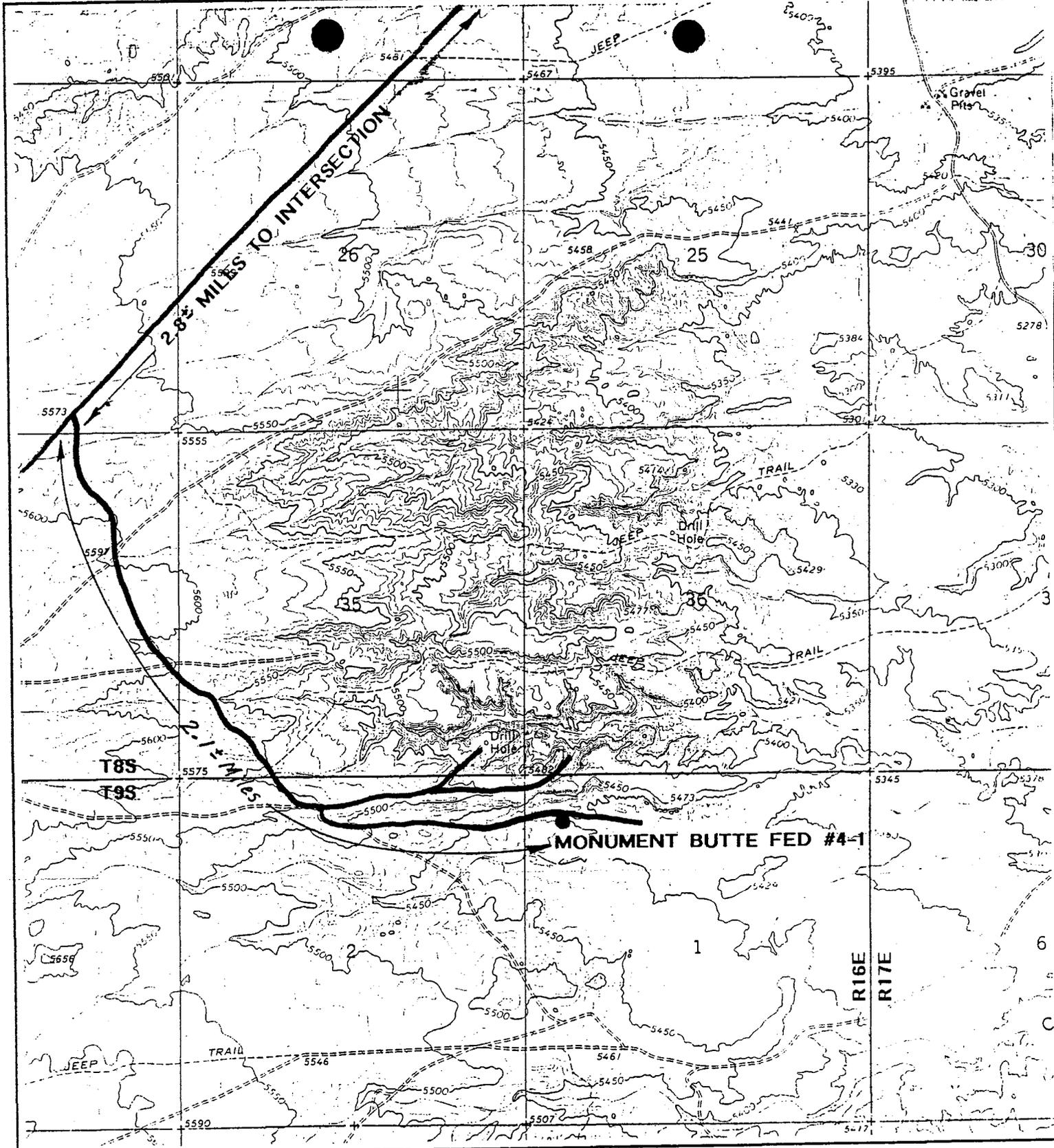
TOPOGRAPHIC  
MAP "A"



LOMAX EXPLORATION CO.  
MONUMENT BUTTE FED #4-1  
SECTION 1, T9S, R16E, S.L.B.&M.

3 July 195

84-121-019



TOPOGRAPHIC  
MAP "B"  
SCALE: 1"=2000'



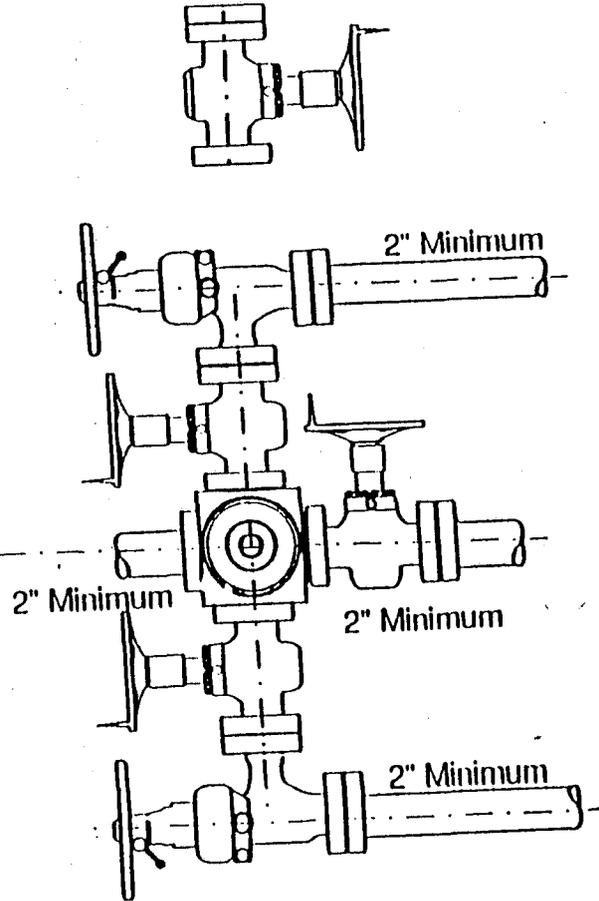
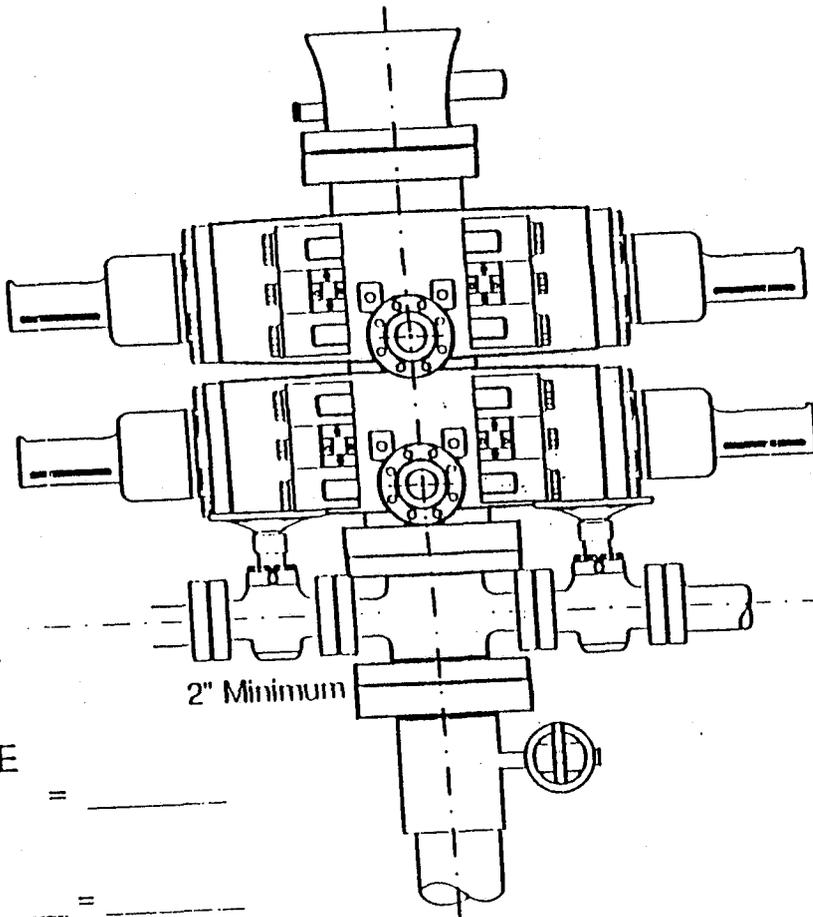
LOMAX EXPLORATION CO.  
MONUMENT BUTTE FED #4-1  
SECTION 1, T9S, R16E, U.S.B.&M.

3 July 195

84-121-019

# 2-M SYSTEM

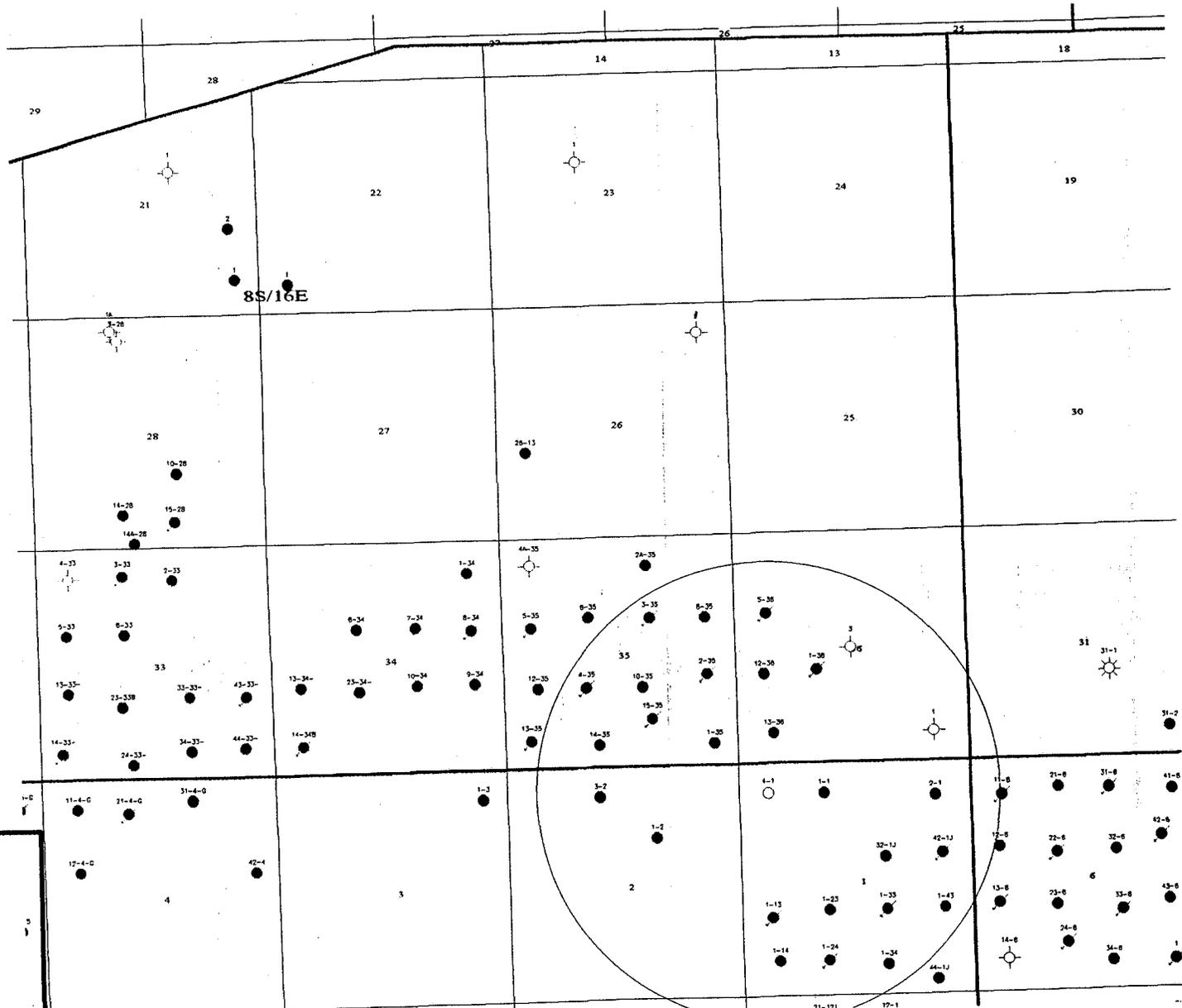
RAM TYPE B.O.P.  
 Make:  
 Size:  
 Model:



GAL TO CLOSE  
 Annular BOP = \_\_\_\_\_  
 Ramtype BOP  
 \_\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_ Gal.  
 \_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

Rounding off to the next higher  
 increment of 10 gal. would require  
 \_\_\_\_\_ Gal. (total fluid & nitro volume)





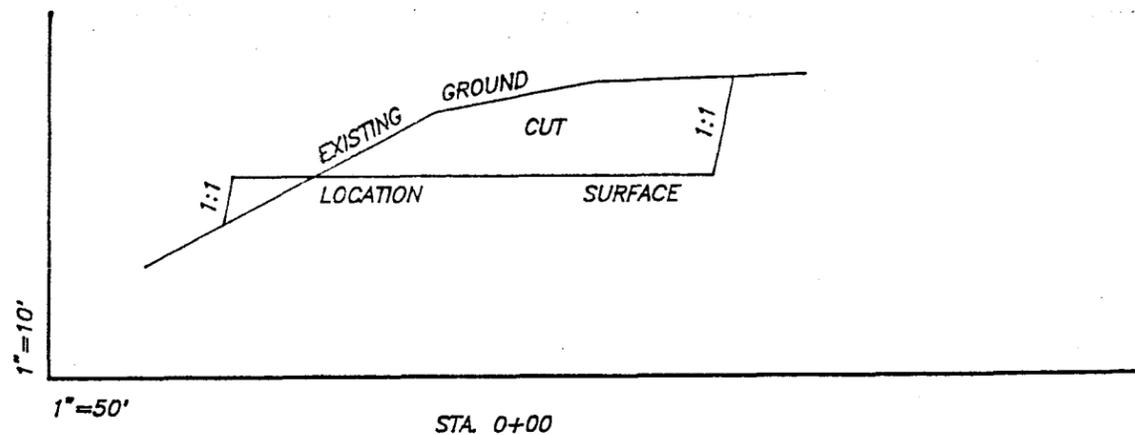
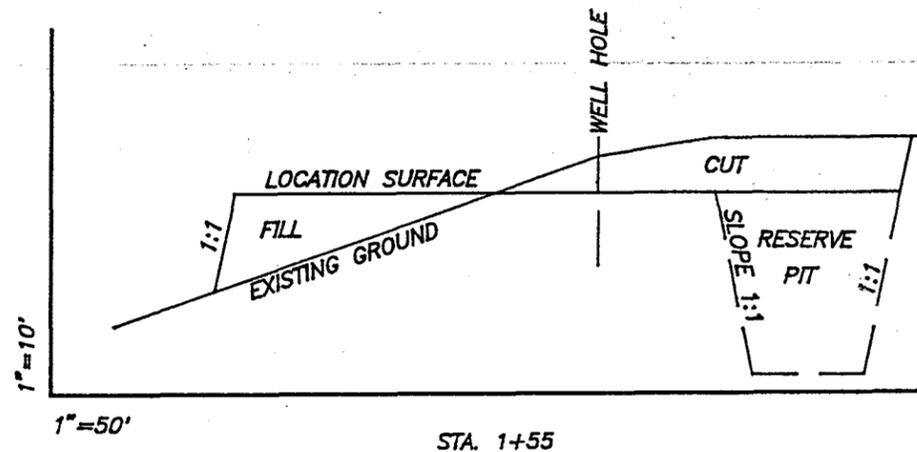
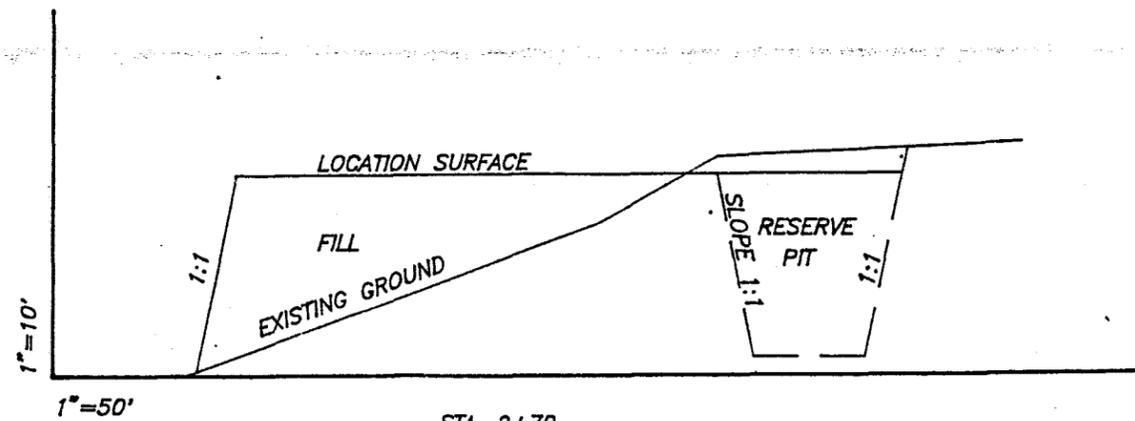
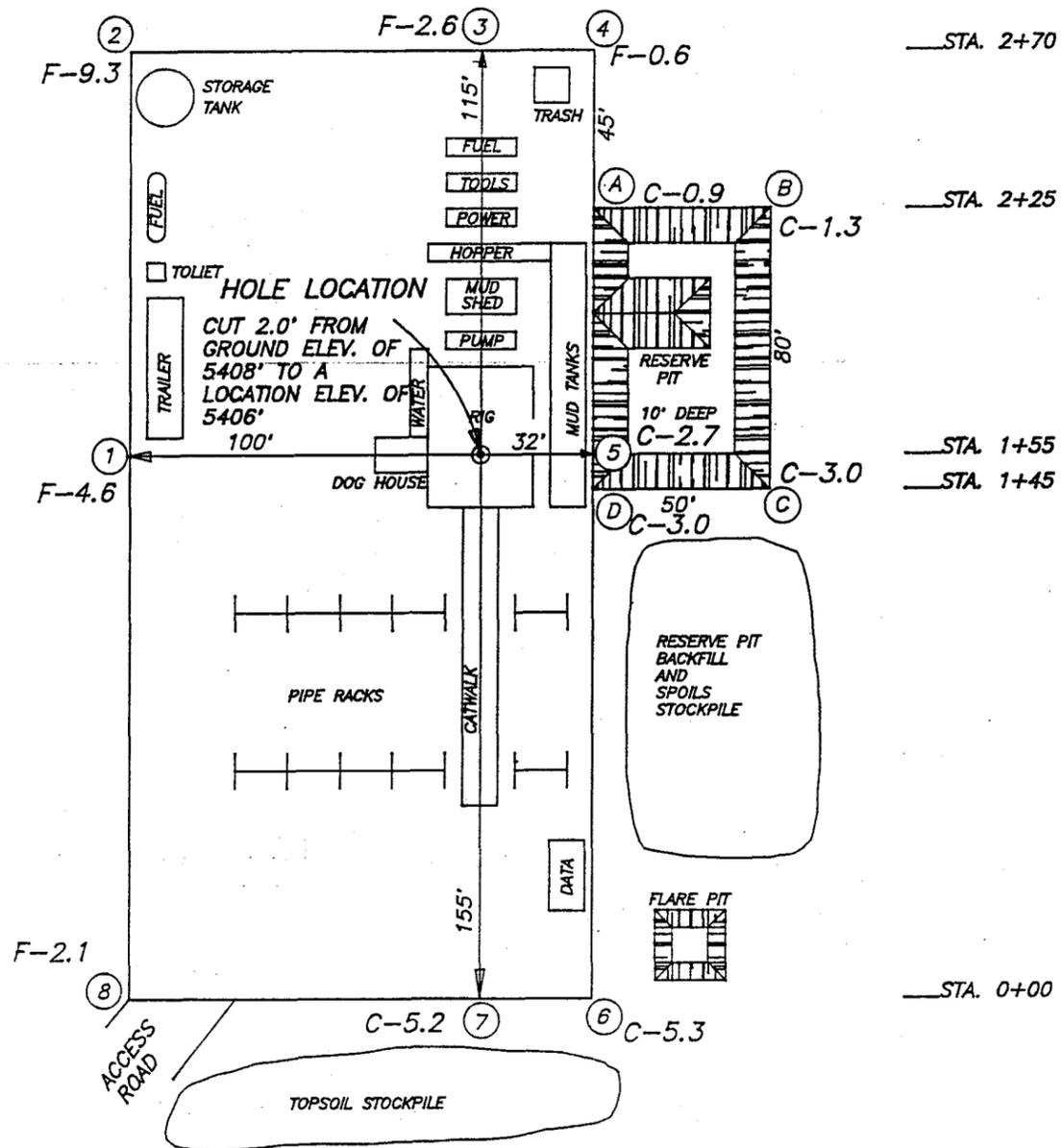
  
475 17<sup>th</sup> Street Suite 1500  
Denver, Colorado 80202  
Phone: (303)-292-0900

**Monument Butte Fed 4-1**  
NWNW Section 1 T9S R16E  
Duchesne County, Utah

Date: 5-15-95 David Gerbig

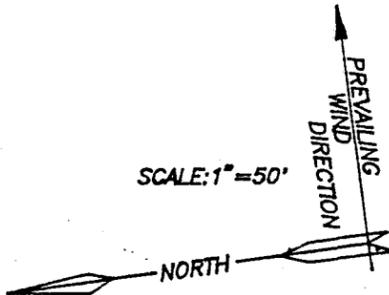
# LOMAX EXPLORATION CO. WELL LAYOUT PLAT MONUMENT BUTTE FED #4-1

LOCATED IN THE NW1/4 OF THE NW1/4 OF SECTION 1,  
TOWNSHIP 9 SOUTH, RANGE 16 EAST, S.L.B.&M.



**RECEIVED**  
 AUG 09 1995  
 DIV. OF OIL, GAS & MINING

SCALE: 1"=50'



APPROXIMATE QUANTITIES

CUT: 3500 CU. YDS. (INCLUDES PIT)  
 FILL: 2500 CU. YDS.

REV: 2 AUG 1995  
 1 JULY 1995

84-121-019

	<b>JERRY D. ALLRED AND ASSOCIATES</b> Surveying and Engineering Consultants	
	121 NORTH CENTER STREET P.O. BOX 975 DUCHESNE, UTAH 84021 (801) 738-5352	

A CULTURAL RESOURCES SURVEY OF INLAND #3-34 AND #4-1 WELLS  
AND ACCESS ROADS, DUCHESNE COUNTY, UTAH

by

Lynita S. Langley  
Archaeologist

and

Heather M. Weymouth  
Archaeologist

Prepared for:

Lomax Exploration Company  
P.O. Box 1446  
Roosevelt, Utah 84066

Prepared By:

Sagebrush Archaeological Consultants, L.L.C.  
3670 Quincy Avenue, Suite 203  
Ogden, Utah 84403

Under Authority of Cultural Resources Use Permit No. 94-UT-54630

and

Utah State Antiquities Permit No. U-95-SJ-365b

Archaeological Report No. 776

July 17, 1995

## INTRODUCTION

In July 1995, Lomax Explor. Company of Roosevelt, Utah (Lomax) requested that Sagebrush Archaeological Consultants, L.L.C. (Sagebrush) conduct a cultural resources inventory of Inland Monument Butte Federal wells #3-34 and #4-1 and one access road in Duchesne County, Utah.

The proposed wells are located in T. 8S., R. 16E., S. 34 and in T. 9S., R. 16E., S. 1. Lands in both of these sections are controlled by the Bureau of Land Management (BLM). Footages for well #3-34 are 1980 FWL and 660 FNL. Footages for well #4-1 are 608 FWL and 779 FNL. The project area lies on the USGS 7.5' Quadrangle Myton SE, Utah (1964) (Figure 1). The field inspection was carried out by the authors on July 11, 1995 under authority of Cultural Resources Use Permit No. 94-UT-54630 and Utah State Antiquities Permit No. U-95-SJ-365b.

A file search for previously recorded cultural resources sites and paleontological localities near the project area was conducted by Heather M. Weymouth at the Division of State History, Utah State Historic Preservation Office, Salt Lake City on July 11, 1995 to determine if any cultural resources projects have been conducted or sites recorded near the project area. An additional file search was conducted through Blaine Phillips, Vernal District BLM Archaeologist, on July 10, 1995 prior to conducting the fieldwork.

More than 25 previous cultural resources projects have been conducted in the area of the current project. Due to the large number of individual projects conducted in the area, individual project descriptions will not be listed. However, 14 individual sites, including both project-related and individual sites, have been previously recorded in the vicinity of the current project area. Following is a brief description of these sites:

**Site 42Dc341.** This site, located northwest of Castle Peak Draw, is a lithic quarry consisting of core materials, lithic siltstone flakes, and one siltstone biface. This site was recommended NOT ELIGIBLE to the NRHP.

**Site 42Dc351.** This site, located in Castle Peak Draw, is a small rock shelter with associated lithic artifacts. No recommendations concerning eligibility to the NRHP have been made for this site.

**Site 42Dc352.** This site, located in Castle Peak Draw, is a historic cache or temporary camp. Artifacts identified consist of jars, cans, a bucket, and a .22 caliber rifle. This site was recommended ELIGIBLE to the NRHP.

**Site 42Dc381.** This site, located on the south slope in the vicinity of Castle Peak Draw, is a thin scatter of flakes and a biface. The site shows signs of depth and may reveal further information about the area's early inhabitants. The site is recommended ELIGIBLE to the NRHP.

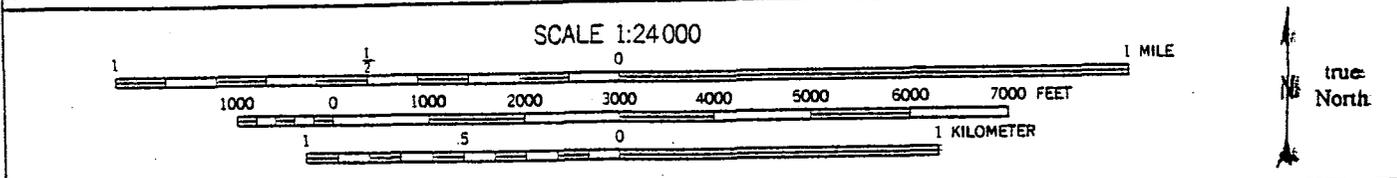
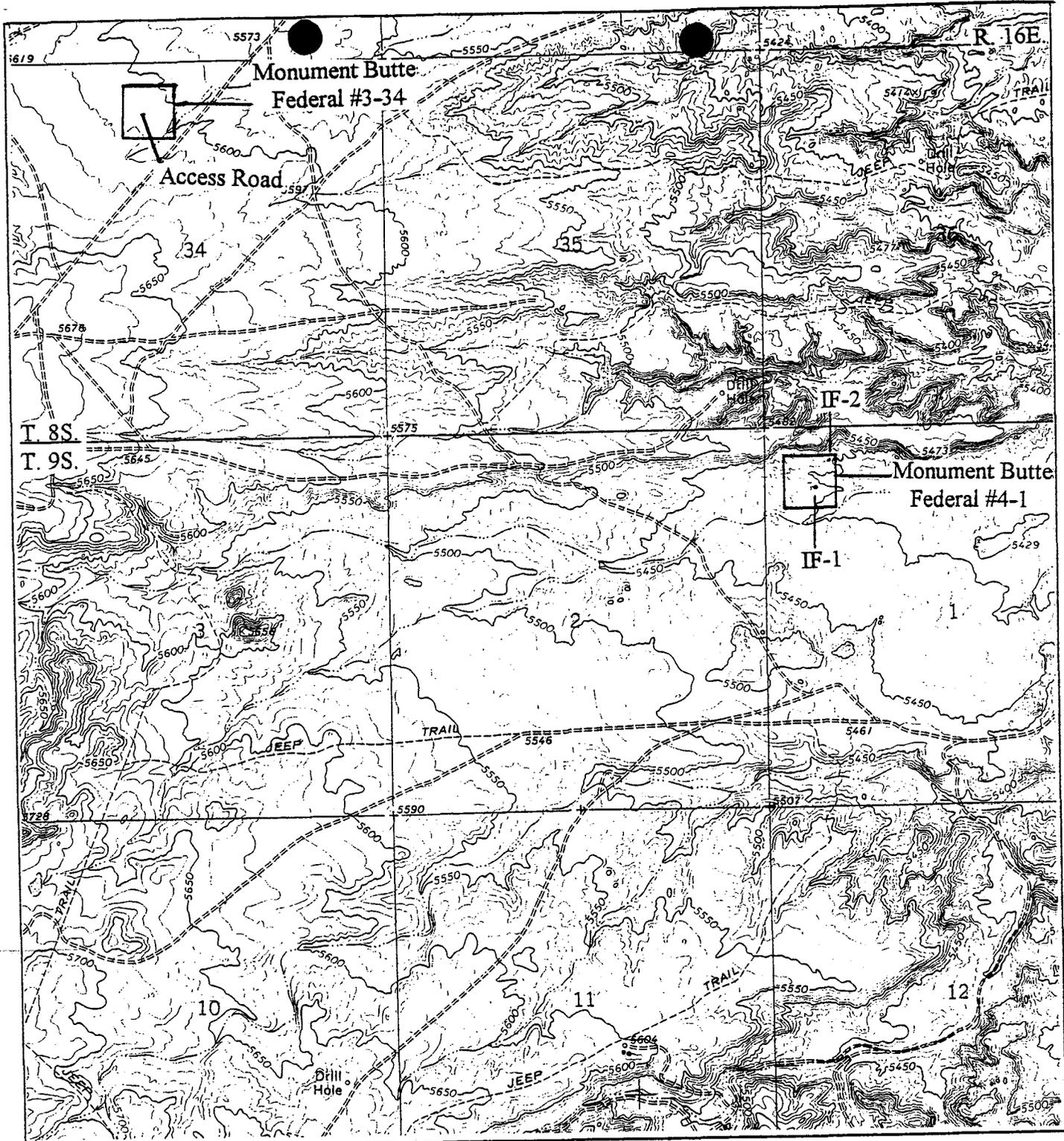


Figure 1. Location of area surveyed for Lomax wells Monument Butte Federal #3-34 and #4-1 and one associated access road, Taken from: USGS 7.5' Quadrangle Myton SE, Utah (1964).

**Site 42Dc388.** This site, located on a sandy bench above Wells Draw, is a small lithic scatter with core flakes, biface manufacturing flakes, and numerous bifaces representing all stages of manufacture. This site is recommended NOT ELIGIBLE to the NRHP.

**Site 42Dc389.** This site, located on a bench on the east side of Wells Draw, is a historic sheep camp consisting of tin cans, a crockery jar a fragments of purple glass. Also noted were wood, bone and coal fragments. The site was recommended NOT ELIGIBLE to the NRHP.

**Site 42Dc428.** This site, located on a ridge top north of Castle Peak Draw, is a sheep camp possibly dating to the 1940s. The site consists of a small trash scatter including tin cans, glass, baling wire and ceramics. This site was recommended NOT ELIGIBLE to the NRHP.

**Site 42Dc503.** This site, located below a sandstone outcrop east of Wells Draw, is a large lithic scatter with many roughly worked bifaces as well as several lithic cores and flakes. This site was recommended ELIGIBLE to the NRHP.

**Site 42Dc504.** This site, located in the cut of a dirt road east of Wells Draw, is a possible lithic quarry with cores and flakes. This site was recommended NOT ELIGIBLE to the NRHP.

**Site 42Dc505.** This site, located in the cut of a dirt road east of Wells Draw, is a sparse lithic scatter consisting of four to five worked pieces of chalcedony and one secondary flake of the same material. This site was recommended NOT ELIGIBLE to the NRHP.

**Site 42Dc537.** This site, located on a flat terrace in the bottom of Wells Draw, is a sparse lithic scatter consisting of core shatter fragments and primary flakes in association with a rock alignment. This site was recommended ELIGIBLE to the NRHP.

**Site 42Dc538.** This site, located along a sandstone outcrop on the eastern slope of Wells Draw, is a sparse lithic scatter consisting of core shatter fragments and primary flakes of a local variety of siltstone. One hammerstone and one biface blank were found at the site. This site was recommended ELIGIBLE to the NRHP.

**Site 42Dc584.** This site, located on a terrace on the north crest of Wells Draw, is a lithic reduction and biface blank preparation area. No tools were noted at this site. The site was recommended NOT ELIGIBLE to the NRHP.

**Site 42Dc596.** This site, located on a gentle slope near Wells Draw, is a lithic scatter consisting of chert tool blanks, one scraper, two bifacially flaked cobbles, one biface blade and one primary flake. The site was recommended as ELIGIBLE to the NRHP.

No additional cultural resource sites have been recorded in this area. No paleontological localities are listed as being located within the current project area. The National Register of Historic Places (NRHP) was consulted prior to the commencement of fieldwork for the present project. No NRHP sites were found located in the vicinity of the current project area.

## ENVIRONMENT

The well pads surveyed during this project lie approximately eight miles south-southeast of Myton, Utah near Wells Draw. Both well pads and access roads lie in an area of low rolling tablelands dissected by deep drainages and low eroding bedrock outcrops of sandstone and limestone. Soils in the area are poorly developed and extremely sandy in nature. Sediments consist of very fine grained, buff colored sand intermixed with many small angular gravels composed of a blocky chert material, quartzite, mudstone and sandstone. The elevation of the project area ranges from approximately 5370 to 5600 feet a.s.l. Vegetation in the survey area covers approximately 30 percent of the surface and is predominantly shadscale community species. Noted species include greasewood, bunch grass, prickly pear cactus, spiny horsebrush, riddel groundsel, Indian ricegrass, gray rabbitbrush, spiny hopsage, bladderpod, vetch and buckwheat, and various other desert species. The nearest permanent water source is Antelope Creek which is located approximately six miles to the northwest. Natural disturbance in the area consists primarily of sheetwash erosion and arroyo cutting. Cultural disturbance includes pre-existing well pad locations, and a number of roads and access roads which lead to well locations.

## METHODOLOGY

The survey area covered during this project consists of two ten acre parcels of land centered on proposed well heads and one access road corridor connecting the Inland well #3-34 to pre-existing well location access roads. The well pads were inventoried by the authors in parallel transects spaced no more than 45 feet [ft] (15 meters [m]) apart. The access road, which totaled 900 ft (274 m) in length, was walked in two parallel transects spaced 30 ft (10 m) apart to cover a corridor width of 100 ft (30 m). The area surveyed on this project (including both well pads and the access road) totaled 22.06 acres.

## RESULTS

The archaeological survey resulted in the documentation of two prehistoric isolated finds. Both isolated artifacts were located during the survey of Monument Butte Federal well #4-1 (Figure 1). Isolated Find 1 (IF-1) consists of a large gray chert tertiary flake measuring 3.3 cm long by 3.0 cm wide by 0.6 cm thick. IF-2 consists of a bifacially flaked chert cobble measuring 10.5 cm. long by 3.5 cm wide by 1.5 cm thick.

One previously recorded site, 42Dc341, was relocated during survey for the current project. This site, recommended ineligible to the NRHP at the time of its initial recordation, was determined to be 100 ft (30 m) west of the northwest corner of the Monument Butte Federal well #4-1 survey area. Therefore, this site will not be affected by the proposed project.

## RECOMMENDATIONS

Since there were no significant cultural resources nor paleontological resources found, cultural and paleontological clearance is recommended for the proposed project.

This investigation was conducted with techniques which are considered to be adequate for evaluating cultural and paleontological resources which could be adversely affected by the project. However, should such resources be discovered during construction, a report should be made immediately to the BLM District Archaeologist, Vernal District Office, Vernal, Utah.

## REFERENCES CITED

Phillips, Blaine

1995 Personal communication. [Conversation on July 10, 1995 between Blaine Phillips, Vernal District BLM Archaeologist, and Heather Weymouth of Sagebrush]. Notes on file at Sagebrush Archaeological Consultants, L.L.C., Ogden, Utah.

**MONUMENT BUTTE FEDERAL #4-1  
NW/NW SEC 1, T9S, R16E  
DUCHESNE COUNTY, UTAH  
LEASE #U-72103**

**HAZARDOUS MATERIAL DECLARATION**

LOMAX EXPLORATION COMPANY guarantees that during the drilling & completion of the above referenced well, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986.

LOMAX EXPLORATION COMPANY guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

JOHNSON WATER DISTRICT  
R.R. 3 BOX 3188  
ROOSEVELT, UT 84066  
TELEPHONE (801) 722-2620

May 16, 1995

TO WHOM IT MAY CONCERN:

Lomax Exploration Company has purchased a 3 inch water connection with Johnson Water District to supply Monument Butte oilfield.

Johnson Water District has given permission to Lomax Exploration Company to use water from our system for the purpose of drilling and completing the Monument Butte Federal 12-25, 11-25, 4A-35R, 9-2, 3-34, 4-1, 15-36, and 14-25.

Sincerely,



Karen Ashby,  
Secretary

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/09/95

API NO. ASSIGNED: 43-013-31545
--------------------------------

WELL NAME: MONUMENT BUTTE FEDERAL #4-1  
 OPERATOR: INLAND RESOURCES INC (N5160)

PROPOSED LOCATION:  
 NWNW 01 - T09S - R16E  
 SURFACE: 0799-FNL-0608-FWL  
 BOTTOM: 0799-FNL-0608-FWL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED  
 LEASE NUMBER: U - 72103

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat  
 Bond: Federal [ State[] Fee[]  
 (Number 44 88944)  
 Potash (Y/N)  
 Oil shale (Y/N)  
 Water permit  
 (Number INTERACTION WELL 5-35)  
 RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

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

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

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

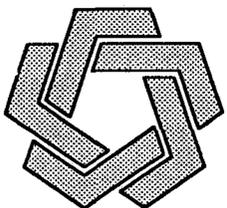
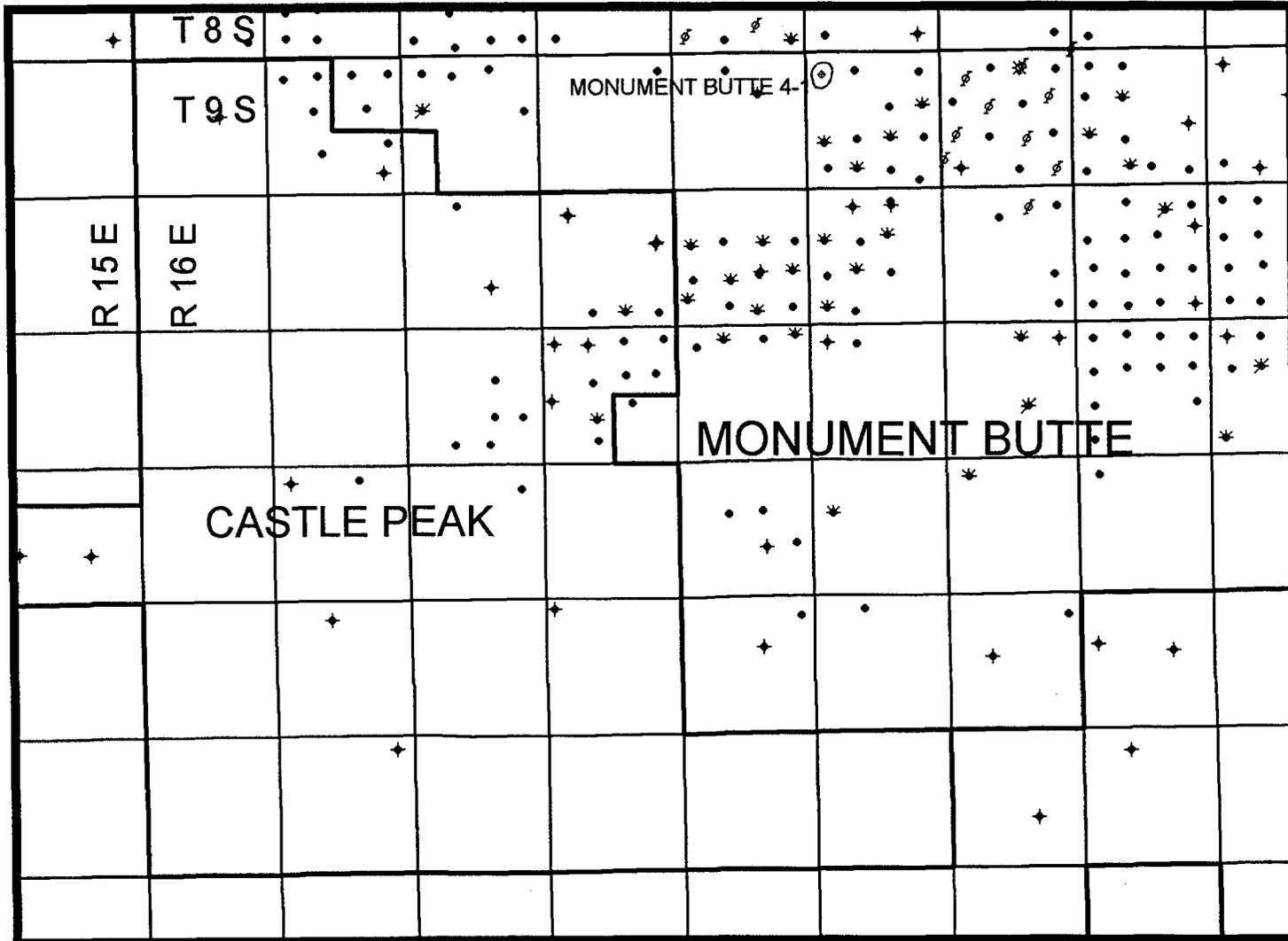
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INLAND RESOURCES INC  
 GREEN RIVER DEVELOPMENT  
 MONUMENT BUTTE FIELD  
 SEC. 1, T9S, R16E DUCHESNE COUNTY  
 STATE SPACING, 40 ACRES



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

DATE: 8/10/95



**EQUIPMENT INVENTORY  
UTAH DIVISION OF OIL, GAS AND MINING  
STATE OF UTAH**

Operator: INLAND PRODUCTION Lease: State:      Federal: Y Indian:      Fee:     

Well Name: MONUMENT BUTTE FEDERAL #4-1 API Number: 43-013-31545

Section: 1 Township: 9S Range: 16E County: DUCHESNE Field: MONUMENT BUTTE

Well Status: POW Well Type: Oil: YES Gas:     

**PRODUCTION LEASE EQUIPMENT: (NUMBER)**

Boiler(s):      Compressor(s):      Separator(s):      Dehydrator(s):       
Shed(s):      Line Heater(s):      Heated Separator(s):      VRU:       
Heater Treater(s): (1)

**PUMPS:**

Triplex:      Chemical:      Centrifugal: (1)

**LIFT METHOD:**

Pumpjack: YES Hydraulic:      Submersible:      Flowing:     

**GAS EQUIPMENT: (NUMBER)**

Purchase Meter:      Sales Meter: (1)

**TANKS:**

	NUMBER	SIZE	
Oil Storage Tank(s):	<u>YES</u>	<u>2-400 OIL</u>	<u>BBLS</u>
Water Tank(s):	<u>YES</u>	<u>1-200 WATER</u>	<u>BBLS</u>
Power Water Tank:	<u>NO</u>	<u>    </u>	<u>BBLS</u>
Condensate Tank(s):	<u>NO</u>	<u>    </u>	<u>BBLS</u>
Propane Tank:	<u>NO</u>		

**Central Battery Location: (IF APPLICABLE)**

Otr/Otr:      Section:      Township:      Range:     

REMARKS: CENTRIFUGAL PUMP IS FOR HEAT TRACE. GLYCOL IS HEATED BY TREATER.

SALES LINE NOT YET RUN. EQUIPMENT IS RUNNING ON RESIDUE GAS FROM PLANT.

Inspector: DENNIS L. INGRAM Date: 12/14/95

Inland Production Inc

MON BUTTE FEDERAL # 4-1

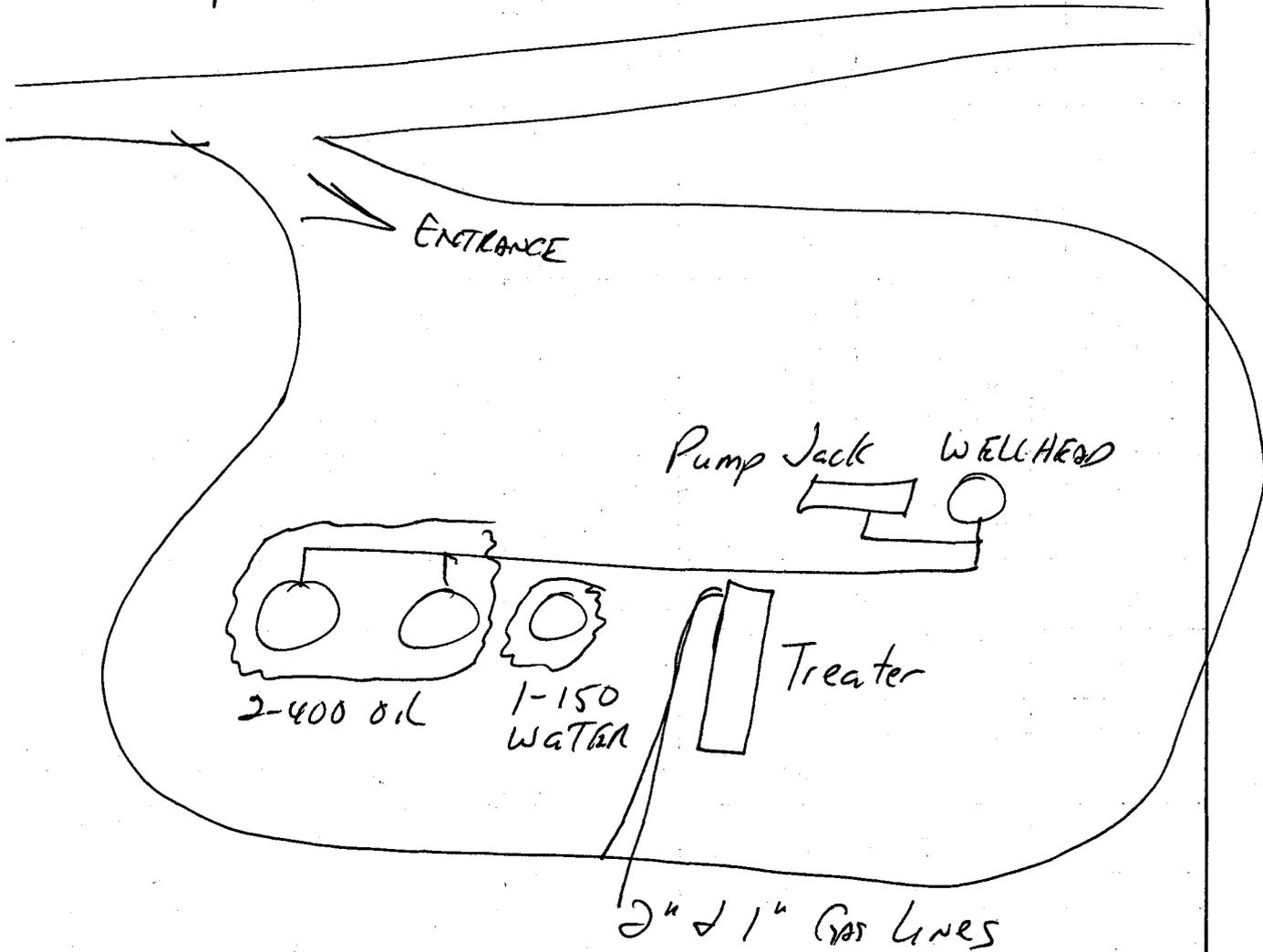
Sec 1 ; T9S ; R16E

43-013-31545

POW

12/14/95

DH



22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS





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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

August 22, 1995

Lomax Exploration Company  
P. O. Box 1446  
Roosevelt, Utah 84066

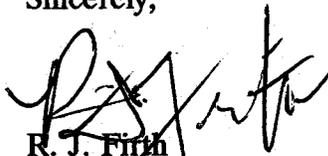
Re: Monument Butte Federal #4-1 Well, 799' FNL, 608' FWL, NW NW, Sec. 1, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Admin. R. 649-3-1 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 43-013-31545.

Sincerely,

  
R. J. Firth  
Associate Director

ldc

Enclosures

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



Operator: Lomax Exploration Company

Well Name & Number: Monument Butte Federal #4-1

API Number: 43-013-31545

Lease: Federal U-72103

Location: NW NW Sec. 1 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)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**  
SUBMIT IN FULL  
(Other instructions apply)  
AUG 29 1995

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

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

5. LEASE DESIGNATION AND SERIAL NO.  
U-72103  
INDIAN, ALLOTTEE OR TRIBE NAME

1A. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

7. UNIT AGREEMENT NAME

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

8. FARM OR LEASE NAME  
Monument Butte Federal

2. NAME OF OPERATOR  
LOMAX EXPLORATION COMPANY

9. WELL NO.  
#4-1

3. ADDRESS OF OPERATOR  
P.O. Box 1446 Roosevelt, UT 84066

10. FIELD AND POOL, OR WILDCAT  
Monument Butte

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface: 608' FWL & 799' FNL  
At proposed prod. zone: NW/NW Sec 1, T9S, R16E  
Lot 4

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
Sec 1, T9S, R16E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
12.7

12. COUNTY OR PARISH | 13. STATE  
Duchesne | UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
608'

16. NO. OF ACRES IN LEASE  
120.10

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
1541

19. PROPOSED DEPTH  
6500'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5407 GR

22. APPROX. DATE WORK WILL START\*  
3rd Quarter 1995

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	240 sx Class C + 2% CaCl
7 7/8	5 1/2	15.5#	TD	530 sx Hilift followed by 450 sx Class G w/2% CaCl

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 Donn Murphy TITLE Engineering Manager DATE 7/26/95

(This space for Federal or State office use)

PERMIT NO. 43-013-315-45 APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE AUG 21 1995

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

**NOTICE OF APPROVAL \*See Instructions On Reverse Side**

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

DIPLOMA

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Lomax Exploration

Well Name & Number: Monument Federal 4-1

API Number: 43-013-31545

Lease Number: U-72103

Location: NWNW Sec. 1 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 to the field representative by the operator to insure compliance.

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

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 top of the usable water zone identified at  $\pm 493$  ft. or by setting the surface casing at  $\pm 543$  ft. and have a cement top for the production casing at least 200 ft. above the Mahogany Oil Shale, identified at  $\pm 2925$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

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.

The Gamma Ray and Induction Logs need to be pulled from TD to the Surface Shoe.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2925$  ft. if the surface casing is set at  $\pm 543$  ft. or it will be run to  $\pm 243$  ft. if the surface casing is set at  $\pm 300$  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 Bankert Petroleum Engineer	(801) 789-4170
Ed Forsman Petroleum Engineer	(801) 789-7077
BLM FAX Machine	(801) 781-4410

### EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

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

Additional Surface Conditions of Approval

No construction or drilling activities shall be conducted between March 15 and August 15 unless a survey is made to see if plover or owls will be impacted. If plovers or owls are encountered additional mitigation may be required in addition to these seasonal drilling and construction restrictions.

Due to washout potential during periods of high run-off the silt catchment dam, as discussed at the onsite and included in the APD, will not be required.

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING  
 ENTITY ACTION FORM - FORM 6

OPERATOR Lomax Exploration Company  
 ADDRESS P.O. Box 1446  
Roosevelt, UT 84066

OPERATOR ACCT. NO. H5160

INLAND PRODUCTION CO. TEL: 801-722-5103 Sep 14, 95 13:09 No. 010 P. 02

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	APE NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11812	43-013-31545	Mon. Butte Federal #4-1	NWNW	1	9S	16E	Duchesne	9/8/95	9/8/95
WELL 1 COMMENTS:											
A	99999	11813	43-013-31522	S. Pleasant Valley Fed #4-22	NWNW	22	9S	17E	Duchesne	9/11/95	9/11/95
WELL 2 COMMENTS:											
A	99999	11814	43-013-31517	Mon. Butte Federal #16-26	SESE	26	8S	16E	Duchesne	9/5/95	9/5/95
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

(3/89)

Cheryl Cameron   
 Signature  
 Secretary 9/13/95  
 Title Date  
 Phone No. 801, 722-5103

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
**U-72103**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Mon Butte Federal #4-1**

9. API Well No.  
**43-013-31545**

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

11. County or Parish, State  
**Duchenne Ctn, UT**

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Inland Production Company**

3. Address and Telephone No.  
**P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103**

4. Location of Well (Forage, Sec., T., R., M. or Survey Description)  
**NW/NW 608<sup>th</sup> FWL & 799<sup>th</sup> FNL  
Sec. 1, T9S, 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 type="checkbox"/> Other <b>Weekly Status</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<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.)

Drilled 305' of 12 1/4" hole w/ Leon Ross Rathole Rig. Spud @ 8:30 AM 9/8/95.  
RIH w/ 305' of 8 5/8" 24# Surf Csg. Cmt in place w/ 150 sx premium + add.

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

Signed Cheryl Cameron Title Drilling/Completion Secretary Date 9/15/95

(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

9-18-95

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-72103

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

8. Well Name and No.

Mon Butte Federal #4-1

2. Name of Operator

Inland Production Company

9. API Well No.

43-013-31545

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103

10. Field and Pool, or Exploratory Area

Monument Butte

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

NW/NW 608<sup>th</sup> FWL & 799<sup>th</sup> FNL

Sec. 1, T9S, R16E

11. County or Parish, State

Duchesne Ctn, UT

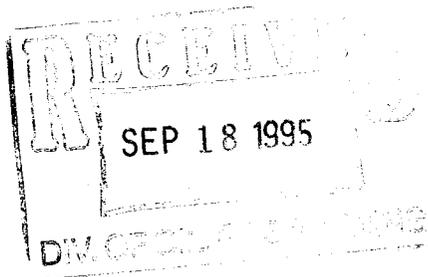
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 type="checkbox"/> Other <u>Weekly Status</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.)\*

Drilled 305' of 12 1/4" hole w/ Leon Ross Rathole Rig. Spud @ 8:30 AM 9/8/95.  
RIH w/ 305' of 8 5/8" 24# Surf Csg. Cmt in place w/ 150 sx premium + add.



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

Signed Cheryl Cameron Title Drilling/Completion Secretary

Date 9/15/95

(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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

RECEIVED  
SEP 18 1995  
DIV. OF OIL, GAS AND MINING

1. Well name and number: Monument Butte Federal #4-1

API number: 43-013-31545

2. Well Location: QQ NWNW Section 1 Township 9S Range 16E County Duchesne

3. Well operator: Inland Production Co

P.O. Box 1446

Address: Roosevelt UT 84066

Phone: (801) 722-5103

4. Drilling contractor: Leon Ross

P.O. Box 757

Address: Roosevelt UT 84066

Phone: (801) 722-4469

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

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
25'	70'	25 Gal/Min	Fresh

6. Formation tops: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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: 9/14/95

Name & Signature: Cheryl Cameron *Cheryl Cameron* Title: Secretary

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND RESOURCES

Well Name: MONUMENT BUTTE FEDERAL 4-1

Api No. 43-013-31545

Section 1 Township 9S Range 16E County DUCHESNE

Drilling Contractor \_\_\_\_\_

Rig # \_\_\_\_\_

SPUDDED: Date 10/5/95

Time \_\_\_\_\_

How ROTARY

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

Reported by D. INGRAM-DOGM

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

Date: 10/10/95 Signed: JLT

FORM 7

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**REPORT OF WATER ENCOUNTERED DURING DRILLING**

1. Well name and number: Monument Butte Federal #4-1  
 API number: 43-013-31545
2. Well Location: QO NWNW Section 1 Township 9S Range 16E County Duchesne
3. Well operator: Inland Production Co  
P.O. Box 1446  
 Address: Roosevelt UT 84066 Phone: (801) 722-5103
4. Drilling contractor: Leon Ross  
P.O. Box 757  
 Address: Roosevelt UT 84066 Phone: (801) 722-4469

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

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
25'	70'	25 Gal/Min	Fresh

6. Formation tops: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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: 9/14/95  
 Name & Signature: Cheryl Cameron *Cheryl Cameron* Title: Secretary

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.  
**P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NW/NW 608' FWL & 799' FNL  
 Sec. 1, T9S, R16E**

5. Lease Designation and Serial No.  
**U-72103**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Mon Butte Federal #4-1**

9. API Well No.  
**43-013-31545**

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

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
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	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Weekly Status</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
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	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

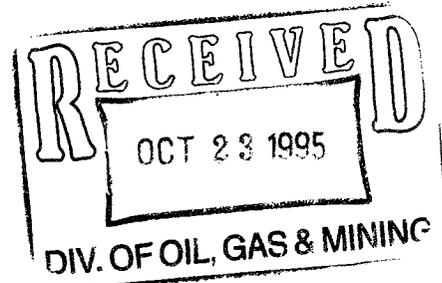
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

**WEEKLY STATUS REPORT FOR WEEK OF 10/11/95 - 10/15/95:**

Drilled 7 7/8" hole from 305' - 5860' w/ Kenting Apollo, Rig #59.  
 Run 5900' of 5 1/2" J-55 csg. Cmt w/ 275 sx Hifill, 300 sx Thixotripoc w/  
 10% Cal-Seal.

**W/O Completion Rig**



14. I hereby certify that the foregoing is true and correct  
 Signed **Cheryl Cameron** Title **Secretary/Drilling & Completion** Date **10/19/95**

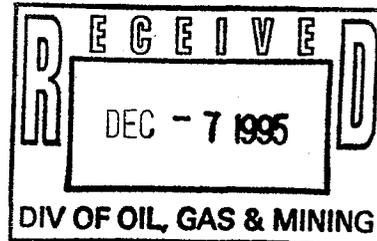
(This space for Federal or State office use)  
 Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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.



*December 4, 1995*

*State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Three Triad Center Suite 350  
Salt Lake City Utah 84180-1203*



**ATTENTION: Mike Hebertson**

**RE: Monument Butte Federal #4-1  
NW/NW Sec. 1, T9S, R16E  
43 013 31545 DRL  
Monument Butte Federal #16-26  
SE/SE Sec. 26, T8S, R16E**

**Monument Butte Federal #5-1  
SW/NW Sec. 1, T9S, R16E**

**Pariette Draw Federal #7-23  
SW/NE Sec. 23, T8S, R17E**

*Dear Mike,*

*Enclosed are the CBL, CNL, and the DLL, for the MBF #4-1, 5-1, and the 16-26.  
Included are the CNL, and the DLL for the PDF #7-23.*

*Please do not hesitate to call me if you need additional information, or have  
any questions, (801) 722-5103.*

*Sincerely,*

*Cheryl Cameron*  
**Cheryl Cameron**  
**Secretary, Drilling & Completion**

*/cc  
Enclosures*

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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>U-72103</b>
2. Name of Operator <b>Inland Production Company</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>P.O. Box 1446   Roosevelt, UT 84066</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>NW/NW 608' FWL &amp; 799' FNL Sec 1, T9S, R16E</b>	8. Well Name and No. <b>Mon Butte Fed #4-1</b>
	9. API Well No. <b>43-013-31545</b>
	10. Field and Pool, or Exploratory Area <b>Monument Butte</b>
	11. County or Parish, State <b>Duchesne County, UT</b>

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>Weekly Status</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.)\*

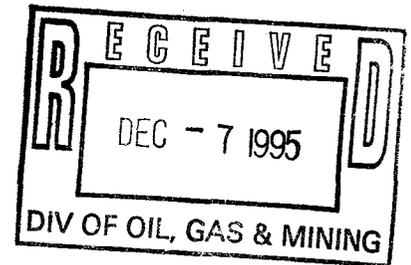
**Weekly Status Report for week of 11/9/95 - 11/16/95**

11/9/95: Perf C sd 4973' - 85'  
Frac w/ 16/30 sd, Screenout w/ 1772 gal flush pumped  
Est 38,000# in formation, total fluid 15,520 gal gel

11/13/95: Perf "D" sd 4818' - 28'  
Frac w/ 54,900# 20/40 sd & 20,122 gal gel

11/16/95: RIH w/ 1 1/2" THD Trico pump, 4 wt rods, 4 - 3/4" scraped, 82 - 3/4" slick, 98 - 3/4" scraped, 2 - 4', 1 - 6' pony's & 1 1/2 polished rod.

ON PRODUCTION @ 11:30 a.m. 11/17/95



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

Signed Brad Mecham *Brad Mecham* Title Operations Manager Date 12/04/95

(This space for Federal or State office use) *O'Connor*

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

Conditions of approval, if any:

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

DEC 18 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

LEASE DESIGNATION AND SERIAL NO.

72103

IF INDIAN, ALLOTTEE OR TRIBE NAME

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

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

2. NAME OF OPERATOR  
Inland Production Company

3. ADDRESS OF OPERATOR  
P.O. Box 1446 Roosevelt, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface NW/NW  
At top prod. interval reported below 608' FWL & 799' FNL  
At total depth

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Monument Butte Federal

9. WELL NO.

#4-1

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

NW/NW

Sec. 1, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUNDED 9/8/95 16. DATE T.D. REACHED 10/15/95 17. DATE COMPL. (Ready to prod.) 11/16/95 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)\* 5407' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5860' 21. PLUG, BACK T.D., MD & TVD 5828' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 4973'-85' GreenRiver 4818'-28' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, DLL, CNL 12-7-95 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#	305'	12 1/4	150 sx Prem + Add	
5 1/2	15.5#	5865.57'	7 7/8	275 sx Hifill + 300 sx Thixo w/ 10% Cal-Seal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	5091'	5513' Sd Top

31. PERFORATION RECORD (Interval, size and number)

"C" Sd	4973' - 85'
"D" Sd	4818' - 28'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4973' - 85'	Frac w/ 16/30 sd screenout w/ 1722 gal flush
4818' - 28'	Est 38,000# in form, 15,520 ga gel
	Frac w/ 54,900# 20/40 sd & 20,122 gal gel

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
11/17/95	Pumping - 1 1/2" THD Trico Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/30/95	24	N/A		41	44	7	1.1

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
None

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

SIGNED Brad Meham *Brad Meham* TITLE Operations Manager DATE 12/11/95

\*(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, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	4096'					
Point 3	4353'					
X Marker	4612'					
Y Marker	4647'					
Douglas Creek	4773'					
BiCarbonate	5020'					
B Limestone	5150'					
Castle Peak	5616'					

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
DEC 22 1995

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.

P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103

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

NW/NW 608' FWL & 799' FNL  
Sec. 1, T9S, R16E

5. Lease Designation and Serial No.

U-72103

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Mon. Butte Federal #4-1

9. API Well No.

43-013-31545

10. Field and Pool, or Exploratory Area

Monument Butte

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

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

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

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

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

Inland Production Company is requesting authorization to vent gas beyond the 30 day allowable, for an additional 60 days. This well is currently venting approximately 40 MCFD. Inland is actively pursuing a gas sales contract and pipeline ROW, and expects to have these in place, within 60 days.

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

**FOR RECORD ONLY**

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

Signed Brad Mechem Title Operations Manager

Date 12/20/95

(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.

**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.	<b>U-72103</b>
6. If Indian, Allottee or Tribe Name	<b>NA</b>
7. If Unit or CA, Agreement Designation	<b>NA</b>
8. Well Name and No.	<b>MONUMENT BUTTE FEDERAL 4-1</b>
9. API Well No.	<b>43-013-31545</b>
10. Field and Pool, or Exploratory Area	<b>MONUMENT BUTTE</b>
11. County or Parish, State	<b>DUCHESNE COUNTY, UTAH</b>

**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)  
**0799 FNL 0608 FWL                      NW/NW Section 1, T09S R16E**

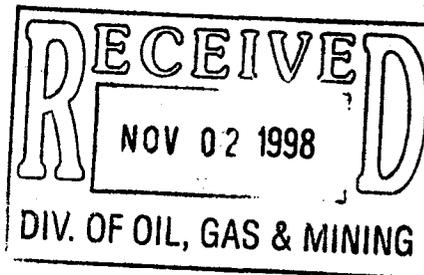
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <b>Site Security</b>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <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 *Rebecca E. Knight* Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)

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

Conditions of approval, if any:  
**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

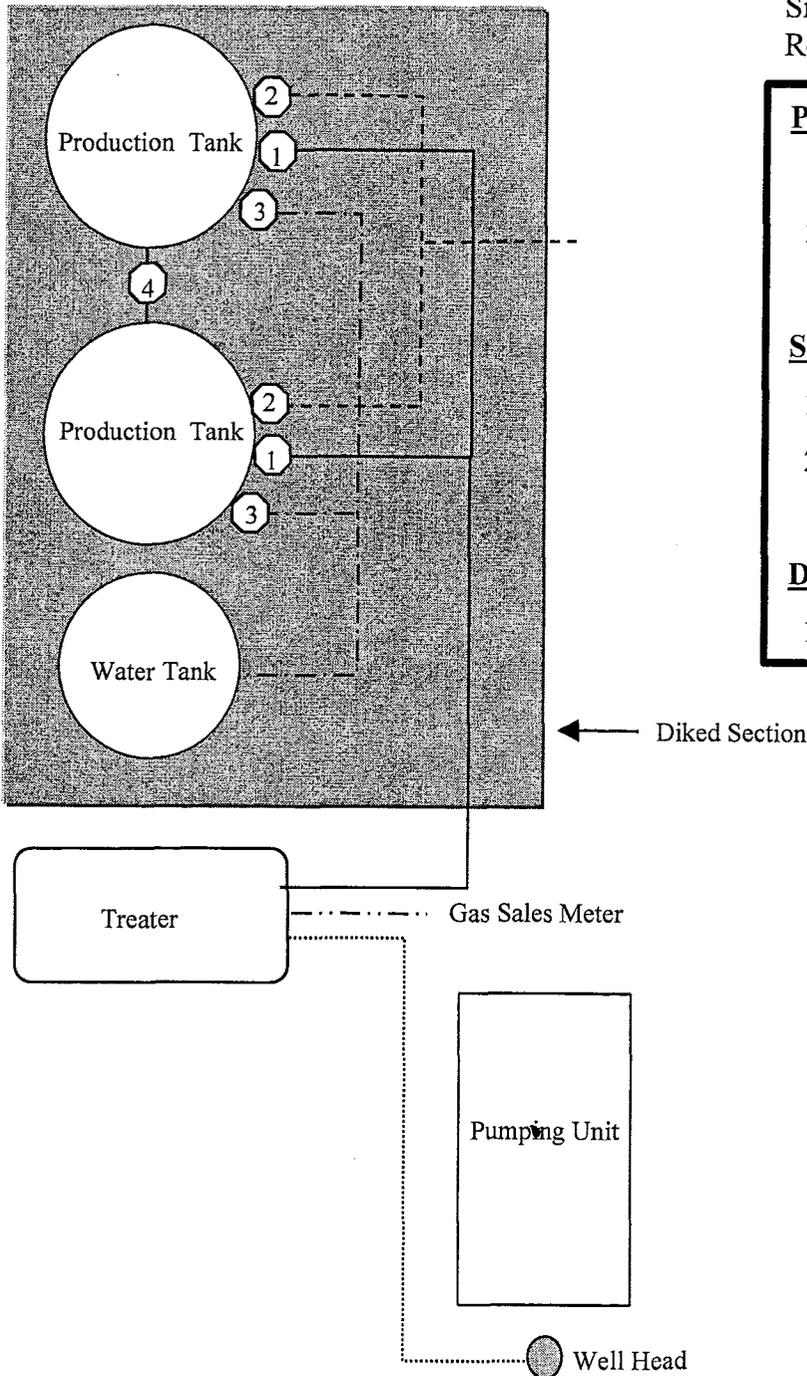
Monument Butte 4-1

NW/NW Sec. 1, T9S, 16E

Duchesne County

Sept. 17, 1998

Site Security Plan is held at the Roosevelt Office,  
Roosevelt Utah



### Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

### Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

### Draining Phase:

- 1) Valve 3 open

### Legend

Emulsion Line	.....
Load Line	-----
Water Line	- . - . - .
Oil Line	—————
Gas Sales	.....

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)

**0799 FNL 0608 FWL      NW/NW Section 1, T9S R16E**

5. Lease Designation and Serial No.

**UTU-72103**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**SO MONUMENT BUTTE**

8. Well Name and No.

**MONUMENT BUTTE FED 4-1**

9. API Well No.

**43-013-31545**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTA**

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion *Reperf*  
 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.)\*

Recompletion procedures were initiated on subject well in the Green River formation on 6/18/02. Existing production equipment was pulled from well. Fill was tagged & left @ 5495'. Three new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: B2 sds @ 5104'-5107' & 5120'-5125' (4 JSPF) fraced down 2 7/8 N-80 tbg W/ 26,500# 20/40 mesh sand in 290 bbls Viking I-25 fluid. Stage #2: PB10 sds @ 4564'-4568' & 4530'-4538' and PB11 sds @ 4574'-4576' (all 4 JSPF) fraced down 5 1/2" 15.5# casing W/ 31,743# 20/40 mesh sand in 363 bbls Viking I-25 fluid. Stage #3: GB4 sds @ 4263'-4265' & 4278'-4286' and GB6 sds @ 4352'-4361' (all 4 JSPF) fraced down 5 1/2" 15.5# casing W/ 51,877# 20/40 mesh sand in 441 bbls Viking I-25 fluid. All fracs were flowed back through chokes. Frac tbg & tools were pulled from well. All zones (new & existing) were swab tested for sand cleanup. Well was cleaned out to 5598'. Ran & anchored revised BHA & production tbg back in well W/ tubing anchor @ 5086', pump seating nipple @ 5189' & end of tubing string @ 5224'. Ran a repaired rod pump and rod string in well. Well was returned to production via rod pump on 6/25/02.

**RECEIVED**

JUN 27 2002

DIVISION OF  
**OIL, GAS AND MINING**

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

Signed

*Gary Dietz*  
Gary Dietz

Title

Completion Foreman

Date

6/25/2002

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

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

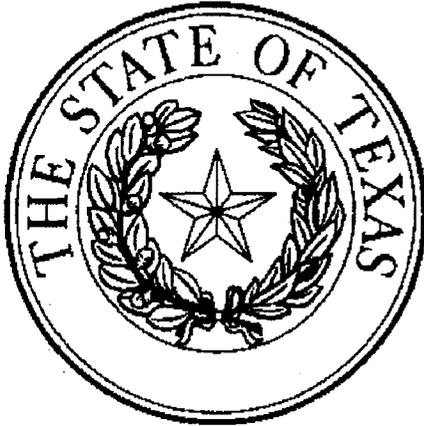
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

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**

<b>ROUTING</b>	
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**

<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

**CA No.**

**Unit:**

**S MONUMENT BUTTE (GR)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 1-1	01	090S	160E	4301330571	13195	Federal	WI	A
MONUMENT BUTTE FED 6-1	01	090S	160E	4301331506	13195	Federal	OW	P
MON BUTTE FED 5-1	01	090S	160E	4301331507	13195	Federal	OW	P
MONUMENT BUTTE FED 4-1	01	090S	160E	4301331545	13195	Federal	OW	P
MONUMENT BUTTE ST 8-2	02	090S	160E	4301331509	13195	State	OW	P
MONUMENT BUTTE ST 16-2	02	090S	160E	4301331510	13195	State	OW	P
MON BUTTE ST 9-2	02	090S	160E	4301331555	13195	State	WI	A
MONUMENT BUTTE ST 10-2	02	090S	160E	4301331565	13195	State	OW	P
MONUMENT BUTTE ST 15-2-9-16	02	090S	160E	4301331932	13195	State	WI	A
S WELLS DRAW 5-2-9-16	02	090S	160E	4301332124	13195	State	WI	A
S WELLS DRAW 11-2-9-16	02	090S	160E	4301332125	13195	State	WI	A
S WELLS DRAW 12-2-9-16	02	090S	160E	4301332126	13195	State	OW	P
S WELLS DRAW 13-2-9-16	02	090S	160E	4301332127	13195	State	WI	A
S WELLS DRAW 14-2-9-16	02	090S	160E	4301332128	13195	State	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	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72103
<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> MONUMENT BUTTE FED 4-1
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013315450000
<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> 0799 FNL 0608 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 01 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

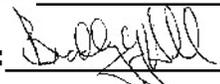
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input 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 style="width: 50px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/20/2011			
<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 subject well has been converted from a producing oil well to an injection well on 10/12/2011. One interval was perforated, CP.5 sands - 5644-5650' 3 JSPF. On 10/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/20/2011 the casing was pressured up to 1255 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not an State representative available to witness the test.

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

Date: 11/23/2011  
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> 10/24/2011	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 10/20/2011 Time 11:00 am pm  
 Test Conducted by: Lynn Monson  
 Others Present: \_\_\_\_\_

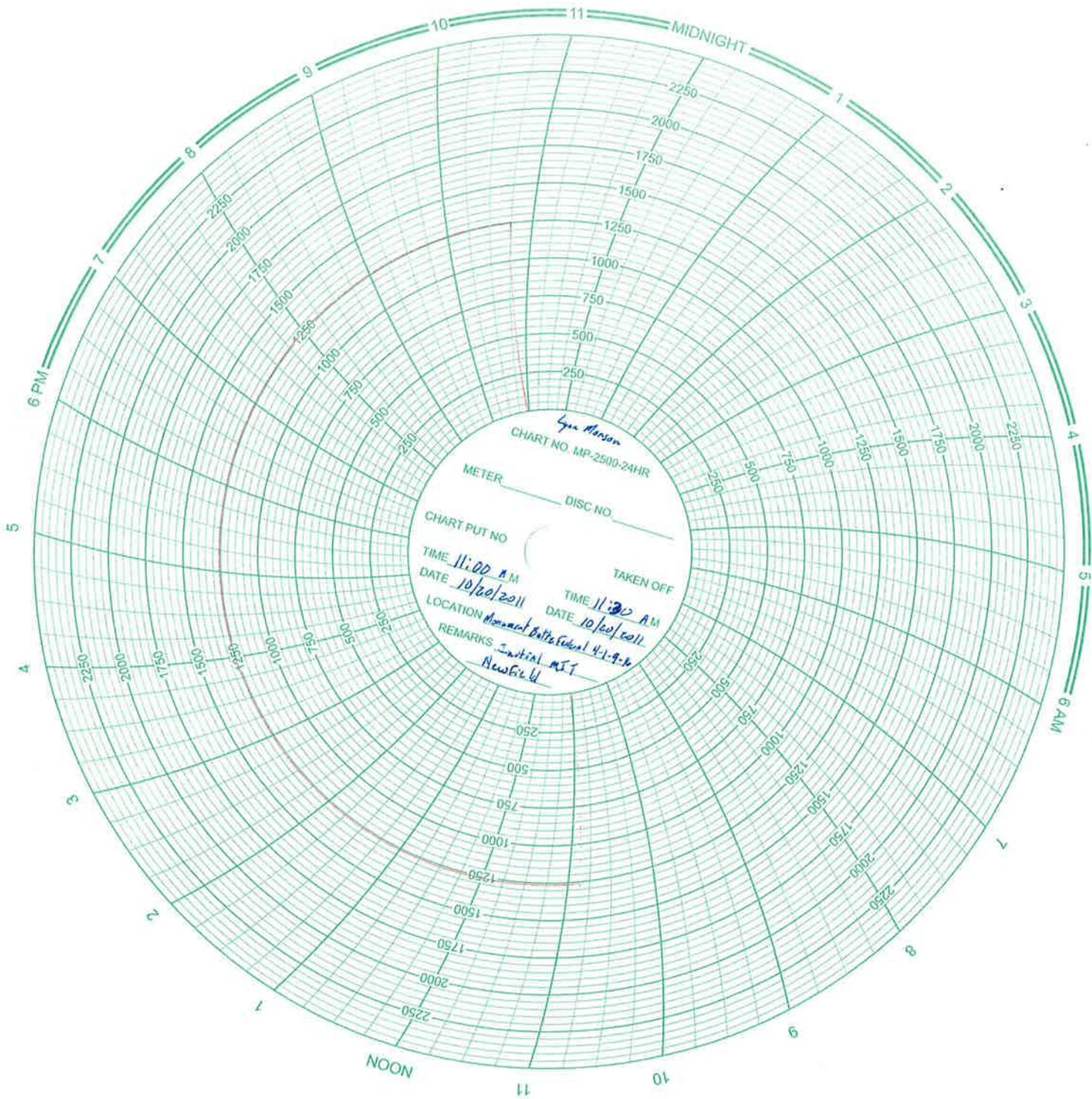
Well: Monument Butte Federal 4-1-9-16 Field: Monument Butte  
 Well Location: NW/NW Sec 1, T9S, R16E API No: 43-013-31545

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1255</u>	psig
5	<u>1255</u>	psig
10	<u>1255</u>	psig
15	<u>1255</u>	psig
20	<u>1255</u>	psig
25	<u>1255</u>	psig
30 min	<u>1255</u>	psig
35	<u>—</u>	psig
40	<u>—</u>	psig
45	<u>—</u>	psig
50	<u>—</u>	psig
55	<u>—</u>	psig
60 min	<u>—</u>	psig

Tubing pressure: 100 psig

Result: Pass      Fail

Signature of Witness: \_\_\_\_\_  
 Signature of Person Conducting Test: [Signature]



**Daily Activity Report****Format For Sundry****MON BT 4-1-9-16****8/1/2011 To 12/30/2011****10/7/2011 Day: 2****Conversion**

NC #3 on 10/7/2011 - RUSU, LD rods, TOH w/ tbg breaking collars - Road rig to location. Spot rig into well. Could not rig up rig due to wind. SDFD. - Road rig to location. Spot rig into well. Could not rig up rig due to wind. SDFD. - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD - Road rig to location. Spot rig into well. Could not rig up rig due to wind. SDFD. - Road rig to location. Spot rig into well. Could not rig up rig due to wind. SDFD. - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$13,115**10/8/2011 Day: 3****Conversion**

NC #3 on 10/8/2011 - Bail TOH w/ tbg - PU 3- jts 2 7/8" tbg. clean out to 5695'. TOH w/ 145- jts 2 7/8" tbg (breaking collars), drain sub, 1- jt 2 7/8" tbg, check valve, bailer, 20- jts 2 7/8" tbg, check valve, 2' tbg sub, check valve, chisel bit. 7-jts of sand in bailer cavity. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 145- jts 2 7/8" tbg. Attempt to bail more w/ no luck. TOH w/ 145- jts 2 7/8" tbg (breaking collars), drain sub, 1- jt 2 7/8" tbg, check valve, bailer, 20- jts 2 7/8" tbg, check valve, 2' tbg sub, check valve, chisel bit (4 jts of sand). SDFD. - PU 3- jts 2 7/8" tbg. clean out to 5695'. TOH w/ 145- jts 2 7/8" tbg (breaking collars), drain sub, 1- jt 2 7/8" tbg, check valve, bailer, 20- jts 2 7/8" tbg, check valve, 2' tbg sub, check valve, chisel bit. 7-jts of sand in bailer cavity. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 145- jts 2 7/8" tbg. Attempt to bail more w/ no luck.

TOH w/ 145- jts 2 7/8" tbg (breaking collars), drain sub, 1- jt 2 7/8" tbg, check valve, bailer, 20- jts 2 7/8" tbg, check valve, 2' tbg sub, check valve, chisel bit (4 jts of sand). SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$19,674

**10/10/2011 Day: 4**

**Conversion**

NC #3 on 10/10/2011 - Bail out sand & perforate. - PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 145- jts 2 7/8" tbg. Bail out fill to 5755'. TOH w/ tbg & bailer assembly. Clean rig eq. RU Perforators to perf CP 5644'-50. RD Perforators. SDFD. - PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 145- jts 2 7/8" tbg. Bail out fill to 5755'. TOH w/ tbg & bailer assembly. Clean rig eq. RU Perforators to perf CP 5644'-50. RD Perforators. SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$36,968

**10/11/2011 Day: 5**

**Conversion**

NC #3 on 10/11/2011 - TIH w/ Pkr, & N-80 tbg, & frac. - PU TIH w/ 5 1/2 Pkr, & 178- jts 2 7/8 N-80 tbg. Set Pkr @ 5581'. RU BJ to frac CP .5 (5644-50'). RD BJ. Open well up to flow back @ 5:30. Well died @ 7:00 & flowed 140 bbls fluid. Release Pkr & CWC. SDFD. - PU TIH w/ 5 1/2 Pkr, & 178- jts 2 7/8 N-80 tbg. Set Pkr @ 5581'. RU BJ to frac CP .5 (5644-50'). RD BJ. Open well up to flow back @ 5:30. Well died @ 7:00 & flowed 140 bbls fluid. Release Pkr & CWC. SDFD. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$67,164

**10/12/2011 Day: 6**

**Conversion**

NC #3 on 10/12/2011 - LD N-80 tbg, TIH w/ injection tbg, pressure test. - OWU. 0 psi on tbg & csg. Flush tbg w/ 30 bbls water @ 250. PU TIH w/ 4- jts 2 7/8. Tag fill @ 5698'. TOH & LD N-80 tbg, & Pkr. Used 15 bbls water to keep tbg clean. PU TIH w/ Arrowset Pkr, SN, 127- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi for one hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - OWU. 0 psi on tbg & csg. Flush tbg w/ 30 bbls water @ 250. PU TIH w/ 4- jts 2 7/8. Tag fill @ 5698'. TOH & LD N-80 tbg, & Pkr. Used 15 bbls water to keep tbg clean. PU TIH w/ Arrowset Pkr, SN, 127- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi for one hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!!

**Daily Cost:** \$0

**Cumulative Cost:** \$134,190

**10/20/2011 Day: 7**

**Conversion MIT**

Rigless on 10/20/2011 - Conduct initial MIT - On 10/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/20/2011 the casing was pressured up to 1255 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test.

There was not a State representative available to witness the test - On 10/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/20/2011 the casing was pressured up to 1255 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$135,090

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**Pertinent Files: Go to File List**



April 21, 2009

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 Butte Federal #4-1-9-16  
Monument Butte Field, Lease #UTU-72103  
Section 1-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Monument Butte Federal #4-1-9-16 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", written over a horizontal dotted line.

Eric Sundberg  
Regulatory Analyst

**RECEIVED**  
**APR 28 2009**  
**DIV. OF OIL, GAS & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT BUTTE FEDERAL #4-1-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**S. MONUMENT BUTTE UNIT**  
**LEASE #UTU-72103**  
**APRIL 21, 2009**

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# Monument Butte Federal #4-1-9-16

Spud Date: 9/8/1995  
 Put on Production: 11/17/1995  
 GL: 5407' KB: 5420'

Initial Production: 41 BOPD,  
 44 MCFD, 7 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

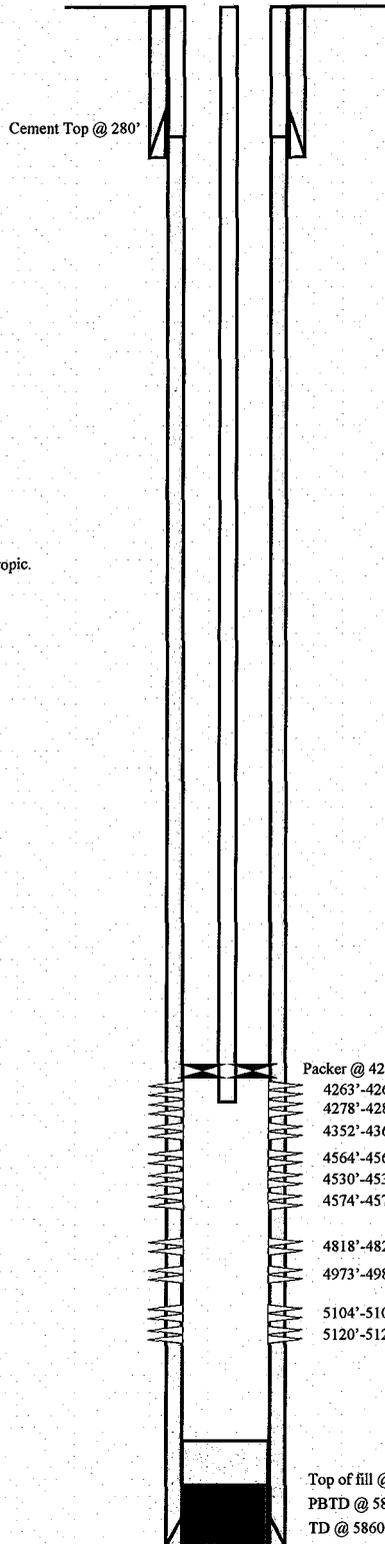
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (305.57')  
 DEPTH LANDED: 303.87'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Premium Cement + additives.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (5882.85')  
 DEPTH LANDED: 5865.57'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs HiFill Standard & 300 sxs Thixotropic.  
 CEMENT TOP AT: 280' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (5072.77')  
 TUBING ANCHOR: 5085.77' KB  
 NO. OF JOINTS: 3 jts (100.32')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5188.89' KB  
 NO. OF JOINTS: 1 jt. (33.67')  
 TOTAL STRING LENGTH: EOT @ 5224.06' KB



### FRAC JOB

Date	Depth Range	Fracture Details
11/11/95	4973'-4985'	<b>Frac C sand as follows:</b> 38,000# 16/30 sand in 370 bbls fluid. Treated @ avg press of 3000 psi w/avg rate of 33.5 BPM. Screened out.
11/14/95	4818'-4828'	<b>Frac D sand as follows:</b> 54,900# 20/40 sand in 479 bbls Boragel fluid. Treated @ avg press of 2150 psi w/avg rate of 28.6 BPM. ISIP 2176 psi. Flowed for 5 hrs then died.
6/20/02	5104'-5125'	<b>Frac B2 sand as follows:</b> 26,500# 20/40 sand in 290 bbls Viking I-25 frac fluid. Treated @ avg press of 3580 psi w/avg rate of 15.7 BPM. ISIP 2150 psi. Calc. Flush: 1280 gal. Actual flush: 1176 gal.
6/20/02	4530'-4576'	<b>Frac PB10, 11 sands as follows:</b> 31,743# 20/40 sand in 363 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25 BPM. ISIP 2520 psi. Calc. Flush: 4564 gal. Actual flush: 4410 gal.
6/21/02	4263'-4361'	<b>Frac GB4, 6 sands as follows:</b> 51,877# 20/40 sand in 441 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25.7 BPM. ISIP 2300 psi. Calc. Flush: 4263 gal. Actual flush: 4158 gal.

### PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
11/10/95	4973'-4985'	4 JSPF	52 holes
11/14/95	4818'-4828'	4 JSPF	44 holes
6/19/02	5120'-5125'	4 JSPF	20 holes
6/19/02	5104'-5107'	4 JSPF	12 holes
6/19/02	4574'-4576'	4 JSPF	08 holes
6/19/02	4530'-4538'	4 JSPF	32 holes
6/19/02	4564'-4568'	4 JSPF	16 holes
6/20/02	4352'-4361'	4 JSPF	36 holes
6/20/02	4278'-4286'	4 JSPF	32 holes
6/20/02	4263'-4265'	4 JSPF	08 holes



**Monument Butte Fed. #4-1-9-16**  
 799' FNL & 608' FWL  
 NW/NW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31545; Lease #UTU-72103

Top of fill @ 5595'  
 PBTD @ 5837'  
 TD @ 5860'

## 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, liquefied 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 Butte Federal #4-1-9-16 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 Butte Federal #4-1-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4095' - 5614'). 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 3764' and the TD is at 5860'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Butte Federal #4-1-9-16 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.**

*Federal*

This proposed injection well is on a ~~State~~ lease (Lease #UTU-72103) 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 304' KB, and 5-1/2", 15.5# casing run from surface to 5866' 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 2117 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 Butte Federal #4-1-9-16, for existing perforations (4263' - 5125') calculates at 0.85 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 2117 psig. We may add additional perforations between 3764' and 5860'. 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 Butte Federal #4-1-9-16, the proposed injection zone (4095' - 5614') is in the Garden Gulch to Basal Carbonate 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-13.

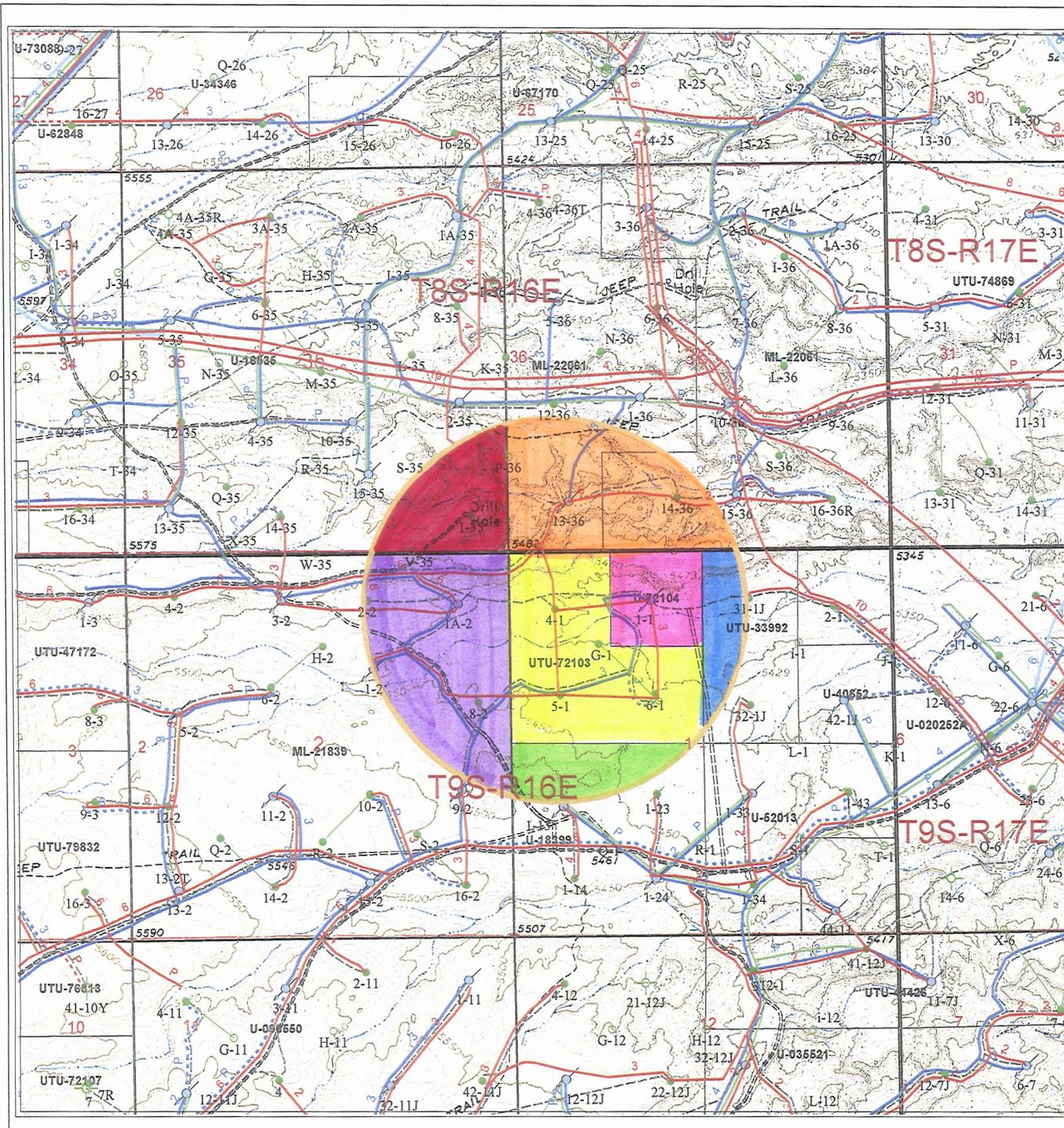
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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



**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

**Injection system**

- high pressure
- low pressure
- proposed
- return
- return proposed

**Gas Pipelines**

- Gathering lines
- Proposed lines

**Leases**

- Leases
- Mining tracts
- 4-1-9-16 1/2 mile radius

- UTU-72103
- ML-22061
- U-72104
- UTU-33992
- U-18399
- ML-21839
- U-14535

Attachment A

Federal 4-1-9-16  
Section 1, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS

1" = 2000'

**1/2 Mile Radius Map**  
Duchesne County

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

January 14, 2009

# LOMAX EXPLORATION CO.

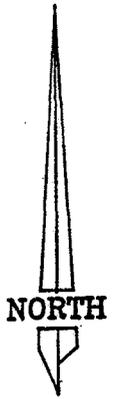
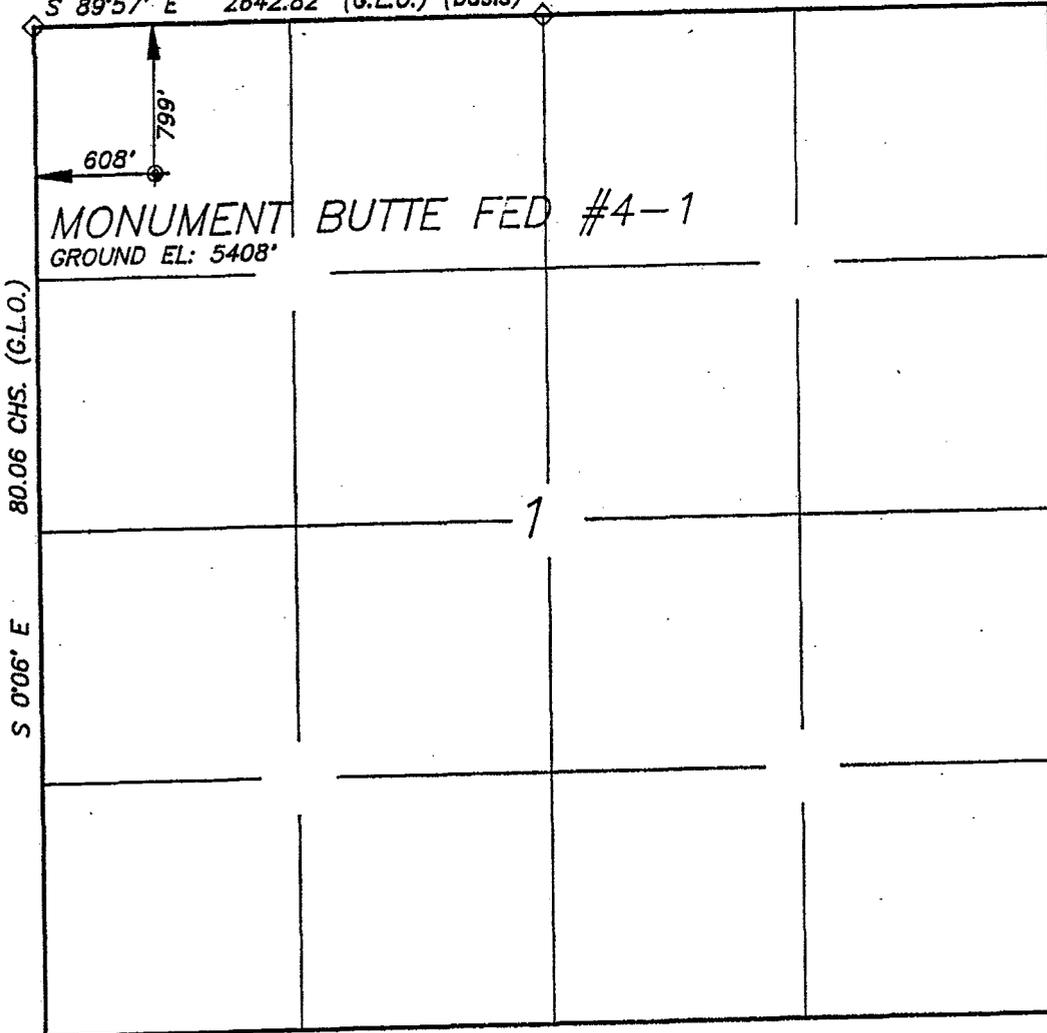
## WELL LOCATION PLAT

### MONUMENT BUTTE FED #4-1

LOCATED IN THE NW1/4 OF THE NW1/4  
SECTION 1, T9S, R16E, S.L.B.&M.

Attachment  
A-1

S 89°57' E 2642.82' (G.L.O.) (basis)

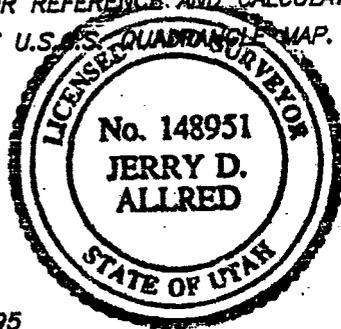


SCALE: 1" = 1000'

### LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S. QUADRANGLE MAP.



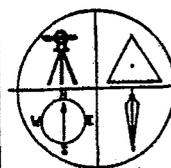
### SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Jerry D. Allred*  
 \_\_\_\_\_  
 JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
 CERTIFICATE NO. 148951 (UTAH)

REV 2 AUG 1995  
30 JUNE 1995

84-121-019



JERRY D. ALLRED & ASSOCIATES  
 SURVEYING CONSULTANTS  
 121 NORTH CENTER STREET  
 P.O. BOX 975  
 DUCHESNE, UTAH 84021  
 (801)-738-5352

4-1-9-16

\* Revised \*  
EXHIBIT B  
Page 1 of 6

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	<u>Township 9 South, Range 16 East</u> Section 1: Lot 3	U-72104 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 King Oil & Gas of Texas, LTD. c/o Allen C. King 800 Bering Dr. Houston, TX 77057 War-Gal, LLC 17350 State Hwy 249 #140 Houston, TX 77064-1132	(Surface Rights) USA
2.	<u>Township 9 Sough, Range 16 East</u> Section 1: SW	U-18399 HBP	Newfield Production Company Newfield RMI, LLC 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

RECEIVED

MAY 13 2009

DIV. OF OIL, GAS & MINING

\*Revised\*  
 EXHIBIT B  
 Page 2 of 6

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
3.	<u>Township 9 South, Range 16 East</u> Section 1: Lot 4, S2NW	U-72103 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Brothers Davis Resources 110 W 7 <sup>th</sup> St Suite 1000 Tulsa, OK 74119	(Surface Rights) USA
4.	<u>Township 9 South, Range 16 East</u> Section 1: Lots 1,2, SWNE	U-33992 HBP	Newfield Production Company Newfield RMI, LLC 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 King Oil & Gas of Texas, Inc 5005 Riverway #550 Houston, TX 77056-2123 Edward and Davis En 711 Louisiana #2660 Houston, TX 77002	(Surface Rights) USA

\*Revised\*  
 EXHIBIT B  
 Page 3 of 6

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
5.	<u>Township 8 South, Range 16 East</u> Section 34: NE, N2SE, SESE Section 35: ALL	U-16535 HBP	Newfield Production Company Newfield RMI, LLC 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 AGK Energy LLC 38 Nonohe Pl Paia, HI 96779 Marian Brennan Raymond Brennan 104 Lee Lane. Belleview, TX 77418 Davis Brothers Davis Resources 110 West 7 <sup>th</sup> St. Suite 100 Tulsa, OK 74119 Deer Valley LTD 800 Bering Dr. #305 Houston, TX 77057	(Surface Rights) USA

*\* Revised \**

EXHIBIT B

Page 4 of 6

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
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International Drilling Company  
Texas General Offshore  
7710 T Cherry Parl PMB 503  
Houston, TX 77095  
Thomas Ingle Jackson  
7710 T Cherry Parl PMB 503  
Houston, TX 77095  
Whitehall Energy Corp  
104 Lee Lane  
Bellville, TX 77418  
Beverly Sommer  
1025 North Crescent Drive  
Beverly Hills, CA 90210  
Jasper Warren  
17350 State Highway 249 Suite 140  
Houston, TX 77064-1140

\*Revised\*

EXHIBIT B

Page 5 of 6

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
6.	<u>Township 8 South, Range 16 East</u> Section 36: All	ML-22061 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Brothers LLC Davis Resources 320 S. Boston #1000 Tulsa, OK 74103-3703	(Surface Rights) STATE
7.	<u>Township 9 South, Range 16 East</u> Section 2: Lots 1-4, S2N2, S2	ML-21839 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Davis Brothers Davis Resources 320 S. Boston #1000 Tulsa, OK 74103-3703 AGK Energy LLC 38 Nonohe Pl Paia, HI 96779	(Surface Rights) STATE

\*Revised\*  
Exhibit B  
page 6 of 6

Marian Brennan  
Raymond Brennan  
104 Lee Lane  
Bellville, TX 77418  
Deer Valley, LTD  
800 Bering Drive, Suite 305  
Houston, TX 77057  
International Drilling Services  
7710 T Cherry Park PMB 503  
Houston, TX 77095  
Thomas Jackson  
7710 T Cherry Park PMB 503  
Houston, TX 77095  
Beverly Sommer  
1025 North Crescent Drive  
Beverly Hills, CA 90210  
Texas General Offshore, Inc  
7710 T Cherry Park PMB 503  
Houston, TX 77095  
Jasper Warren  
17350 St Hwy 249 Suite 140  
Houston, TX 77064-1140

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Butte Federal #4-1-9-16

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 Analyst

Sworn to and subscribed before me this 21<sup>st</sup> day of April, 2009.

Notary Public in and for the State of Colorado: 

My Commission Expires: 2/10/2013

# Monument Butte Federal #4-1-9-16

Spud Date: 9/8/1995  
 Put on Production: 11/17/1995  
 GL: 5407' KB: 5420'

Initial Production: 41 BOPD,  
 44 MCFD, 7 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (305.57')  
 DEPTH LANDED: 303.87'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Premium Cement + additives.

**PRODUCTION CASING**

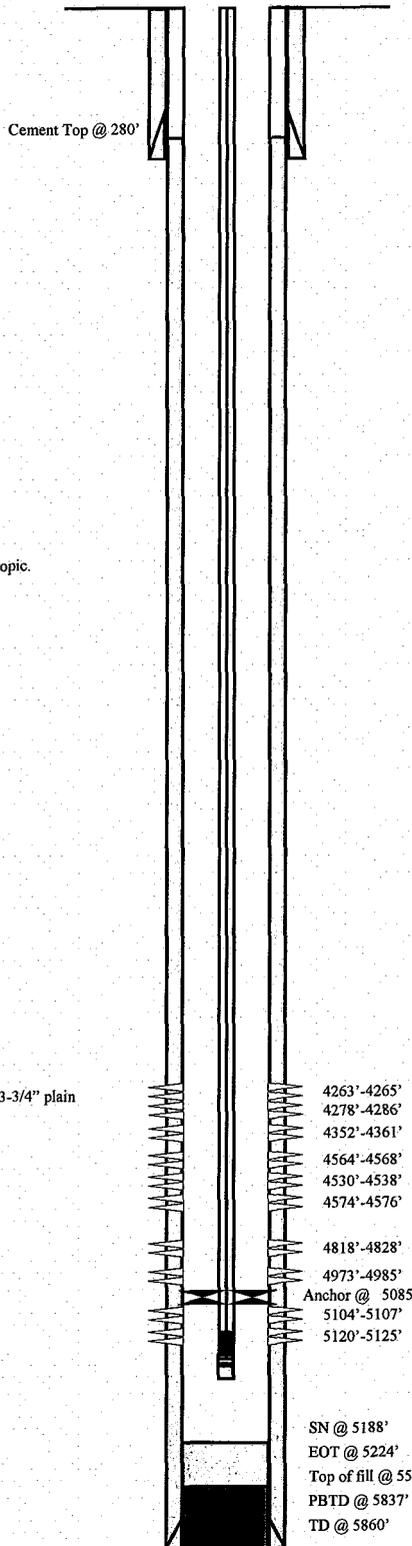
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (5882.85')  
 DEPTH LANDED: 5865.57'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs HiFill Standard & 300 sxs Thixotropic.  
 CEMENT TOP AT: 280' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (5072.77')  
 TUBING ANCHOR: 5085.77' KB  
 NO. OF JOINTS: 3 jts (100.32')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5188.89' KB  
 NO. OF JOINTS: 1 jt. (33.67')  
 TOTAL STRING LENGTH: EOT @ 5224.06' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 6- 1 1/2" weight bars, 10-3/4" scraper rods, 93-3/4" plain rods, 98- 3/4" scraper rods, 1-4", x 3/4" pony rod.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 3 SPM  
 LOGS: DIGL/SP/GR/CAL



**FRAC JOB**

11/11/95	4973'-4985'	<b>Frac C sand as follows:</b> 38,000# 16/30 sand in 370 bbls fluid. Treated @ avg press of 3000 psi w/avg rate of 33.5 BPM. Screened out.
11/14/95	4818'-4828'	<b>Frac D sand as follows:</b> 54,900# 20/40 sand in 479 bbls Boragel fluid. Treated @ avg press of 2150 psi w/avg rate of 28.6 BPM. ISIP 2176 psi. Flowed for 5 hrs then died.
6/20/02	5104'-5125'	<b>Frac B2 sand as follows:</b> 26,500# 20/40 sand in 290 bbls Viking I-25 frac fluid. Treated @ avg press of 3580 psi w/avg rate of 15.7 BPM. ISIP 2150 psi. Calc. Flush: 1280 gal. Actual flush: 1176 gal.
6/20/02	4530'-4576'	<b>Frac PB10, 11 sands as follows:</b> 31,743# 20/40 sand in 363 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25 BPM. ISIP 2520 psi. Calc. Flush: 4564 gal. Actual flush: 4410 gal.
6/21/02	4263'-4361'	<b>Frac GB4, 6 sands as follows:</b> 51,877# 20/40 sand in 441 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25.7 BPM. ISIP 2300 psi. Calc. Flush: 4263 gal. Actual flush: 4158 gal.

**PERFORATION RECORD**

Date	Depth Range	Number of JSPF	Number of Holes
11/10/95	4973'-4985'	4 JSPF	52 holes
11/14/95	4818'-4828'	4 JSPF	44 holes
6/19/02	5120'-5125'	4 JSPF	20 holes
6/19/02	5104'-5107'	4 JSPF	12 holes
6/19/02	4574'-4576'	4 JSPF	08 holes
6/19/02	4530'-4538'	4 JSPF	32 holes
6/19/02	4564'-4568'	4 JSPF	16 holes
6/20/02	4352'-4361'	4 JSPF	36 holes
6/20/02	4278'-4286'	4 JSPF	32 holes
6/20/02	4263'-4265'	4 JSPF	08 holes

4263'-4265'  
 4278'-4286'  
 4352'-4361'  
 4564'-4568'  
 4530'-4538'  
 4574'-4576'  
 4818'-4828'  
 4973'-4985'  
 Anchor @ 5085'  
 5104'-5107'  
 5120'-5125'  
 SN @ 5188'  
 EOT @ 5224'  
 Top of fill @ 5595'  
 PBTd @ 5837'  
 TD @ 5860'



**Monument Butte Fed. #4-1-9-16**  
 799' FNL & 608' FWL  
 NW/NW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31545; Lease #UTU-72103

# Monument Butte Fed. #1-35

Spud Date: 3/19/81  
Put on Production: 4/21/81

GL: 5482' KB: 5491'

**SURFACE CASING**

CSG SIZE: 9-5/8"  
GRADE:  
WEIGHT: 36#  
LENGTH: 249'  
HOLE SIZE: 14-3/4"  
CEMENT DATA: 100 sxs Lite cmt. + 190 sxs Class "G".

**PRODUCTION CASING**

CSG SIZE: 5-1/2" / J-55 / 15.5#  
LENGTH: 5563'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 700 sxs 50/50 POZ.  
CEMENT TOP AT: 1460' per CBL

**TUBING**

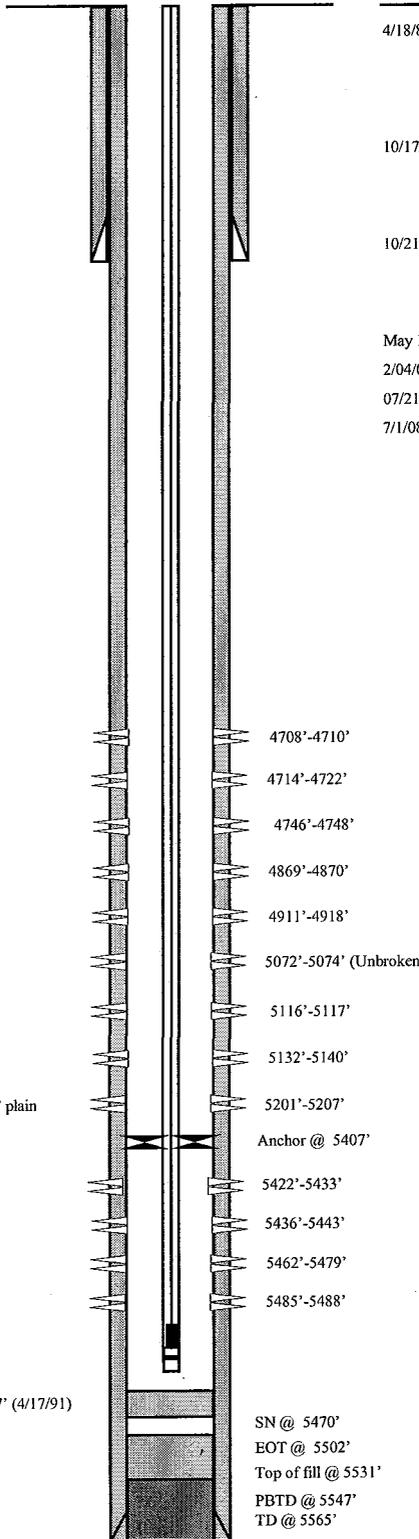
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 177 jts (5397.57')  
TUBING ANCHOR: 5406.57'  
NO. OF JOINTS: 2 jts (60.85')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5470.22' KB  
NO. OF JOINTS: 1 jt (30.37')  
TOTAL STRING LENGTH: EOT @ 5502.14'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' Polished Rod  
SUCKER RODS: 1-8", 1-6" x 3/4" pony rods, 101-3/4" guided rods, 86-3/4" plain rods, 25-3/4" guided rods, 6-1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 12'x16' RHAC pump w/ SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4.5 SPM

Initial Production: 37 BOPD,  
19 MCFG, 0 BWPD

Wellbore Diagram



**FRAC JOB**

4/18/81	5428'-5441'	<b>Frac A3 sand as follows:</b> 10,500# 20/40 sand, 5,000# 13/20 sand in 469 bbls. of diesel. Avg. treating pressure 5100 psi @ 15 BPM. ISIP 2100 psi.
10/17/81	4869'-5205'	<b>Frac D, C, B sands as follows:</b> 95,500# 20/40 sand in 452 bbls. gelled diesel. Avg. treating press. 3800 psi @ 20 BPM. ISIP 2190 psi.
10/21/81	4708'-4748'	<b>Frac Stray sands as follows:</b> 95,500# 20/40 sand in 393 bbls. gelled diesel. Avg. treating press. 4600 psi @ 20 BPM. ISIP 2800 psi.
May 1996		Last reported production.
2/04/02		Reperf and new perfs. Return to production.
07/21/06		Parted Rods. Tubing & Rod Detail Updated.
7/1/08		pump change. Updated rod and tubing detail

**PERFORATION RECORD**

04/18/81	5438-5441'	2 SPF
04/18/81	5428-5431'	2 SPF
10/17/81	5202'-5205'	1 SPF
10/17/81	5116'-5117'	1 SPF
10/17/81	4911'-4916'	1 SPF
10/17/81	4869'-4870'	1 SPF
10/20/81	4746'-4748'	1 SPF
10/20/81	4714'-4722'	1 SPF
10/20/81	4708'-4710'	1 SPF
2/04/02	4911'-4918'	4 SPF
2/04/02	5072'-5074'	4 SPF
2/04/02	5132'-5140'	4 SPF
2/04/02	5201'-5207'	4 SPF
2/04/02	5422'-5433'	4 SPF
2/04/02	5436'-5443'	4 SPF
2/04/02	5462'-5479'	4 SPF
2/04/02	5485'-5488'	4 SPF

Bridge plug milled and pushed to PBTD 5547' (4/17/91)



**Monument Butte Fed. #1-35**  
506' FSL & 528' FEL  
SESE Section 35-T8S-R16E  
Duchesne Co, Utah  
API #43-013-30561; Lease #U-16535

# Monument Butte State #13-36

IP: 71 BOPD, 0 MCFD, 0 BWD

SPUD DATE: 12/19/82  
 Put on Production: 1/28/83  
 Put on Injection: 2/22/00  
 GL: 5396' KB: 5408'

**SURFACE CASING:**

CSG SIZE: 8 5/8"  
 WEIGHT: 23#  
 DEPTH LANDED: 281'  
 HOLE SIZE: 12 1/2"  
 CEMENT DATA: 210 sx Class "G" plus 2%  
 CaCl and 1/4#/sx flakes to sfc.

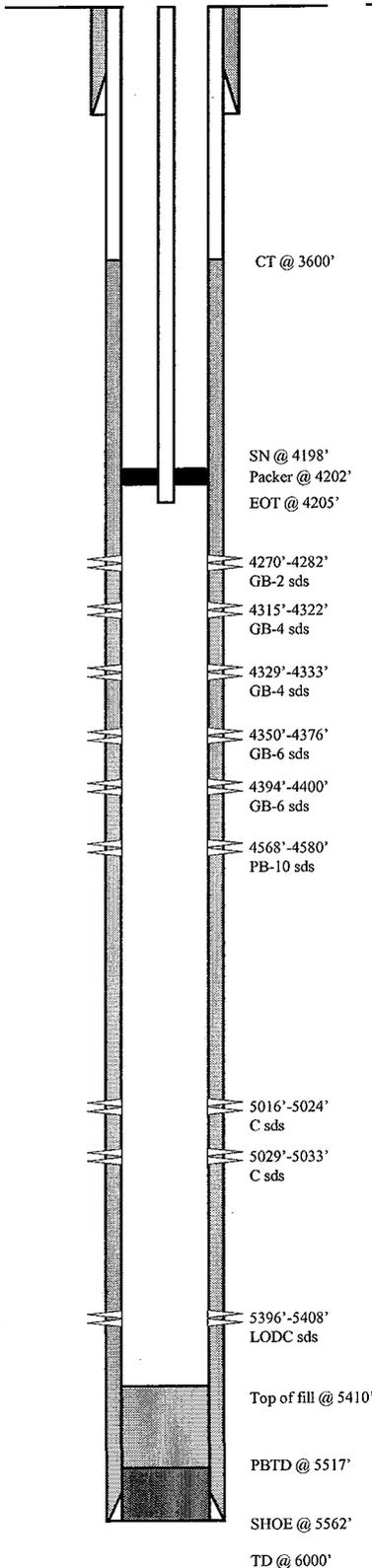
**PRODUCTION CASING**

SIZE: 5 1/2"  
 GRADE: K-55  
 WEIGHT: 17#  
 LENGTH: 127 jts 5562'  
 HOLE SIZE: 7 7/8"  
 CEMENT DATA: 280 sx Gypseal cement  
 CEMENT TOP @ 3600'

**TUBING:**

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts (4184.59')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4197.69' KB  
 PACKER: 4202' KB  
 EOT @ 4205.00' KB

Injection Wellbore Diagram



**FRAC JOBS**

1/08/83	5396'-5408'	<b>Frac LODC sands as follows:</b> 62,000# 20/40 sand in 488 bbls frac fluid. Treated @ avg press of 2950 psi w/avg rate of 29 BPM. ISIP 2140 psi. Calc. flush: 5396 gal. Actual flush: 5334 gal.
1/13/83	5396'-5408'	<b>FracC sands as follows:</b> 18,040# 20/40 sand in 365 bbls frac fluid. Treated @ avg press of 2300 psi w/avg rate of 40 BPM. ISIP 4500 psi. Screened out.
9/08/84	4350'-4376'	<b>Frac GB6 sands as follows:</b> 107,000# 20/40 sand + 24,000# 10/20 sand in 881 bbls gelled 5% KCl. Treated @ avg press of 1800 psi w/avg rate of 22 BPM. ISIP 2080 psi. Calc. flush: 4350 gal. Actual flush: 4500 gal.
09/29/03		Add new perforations to Inj. Well.
8/26/08		5 Year MIT completed and submitted.

**PERFORATION RECORD:**

1-08-83	5396'-5408'	1 SPF	13 holes
1-13-83	5016'-5024'	1 SPF	8 holes
1-13-83	5029'-5033'	1 SPF	4 holes
9-07-84	4350'-4376'	1 SPF	27 holes
09/26/03	4568'-4580'	4 JSPF	48 holes
09/26/03	4394'-4400'	4 JSPF	24 holes
09/26/03	4329'-4333'	4 JSPF	16 holes
09/26/03	4315'-4322'	4 JSPF	28 holes
09/26/03	4270'-4282'	4 JSPF	48 holes



**Monument Butte State #13-36**  
 818 FWL & 697 FSL  
 SWSW Section 36-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-30623; Lease #U-22061

# Monument Butte St. #14-36

Spud Date: 6/01/1995  
 Put on Production: 6/29/1995  
 GL: 5367' KB: 5380'

Initial Production: 162 BOPD,  
 165 MCFD, 6 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (300.55')  
 DEPTH LANDED: 298.01'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 6006.98'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 367 sxs Hifill & 423 sxs Thixotropic.  
 CEMENT TOP AT: 345' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts (5643.23')  
 TUBING ANCHOR: 5656.23' KB  
 NO. OF JOINTS: 1 jt (32.20')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5691.23' KB  
 NO. OF JOINTS: 1 jt (32.29')  
 TOTAL STRING LENGTH: EOT @ 5725.07' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraper rods; 118-3/4" slick rods, 92-3/4" scraper rods, 1-4' x 3/4" pony rod.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DIGL/SP/GR/CAL

**FRAC JOB**

6/23/95 5662'-5676' **Frac CP-1 sand as follows:**  
 51,200# 20/40 sand in 600 bbls frac fluid. Treated @ avg press of 2100 psi w/avg rate of 34 BPM. ISIP 1923 psi. Calc. flush: 5662 gal. Actual flush: 5602 gal.

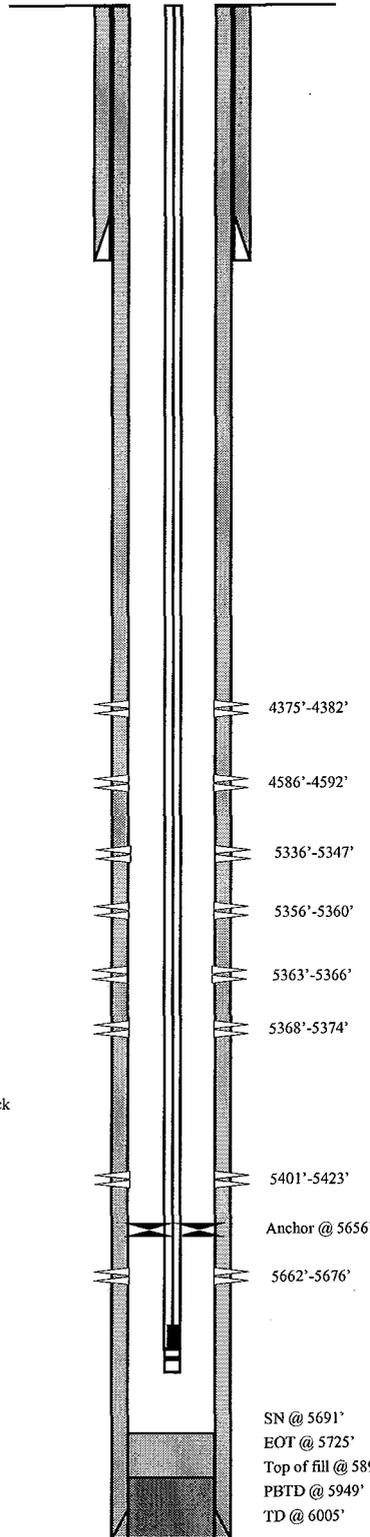
6/28/95 5336'-5423' **Frac LODC & A sands as follows:**  
 225,000# 20/40 sand in 2406 bbls frac fluid. Calc. flush: 5336 gal. Actual flush: 5791 gal.

6/26/02 4586'-4592' **Frac PB11 sands as follows:**  
 20,138# 20/40 sand in 238 bbls Viking I-25 frac fluid. Treated @ avg press of 3330 psi w/avg rate of 25.8BPM. ISIP 2460 psi. Calc. flush: 4586 gal. Actual flush: 4515 gal.

6/26/02 4375'-4382' **Frac GB6 sands as follows:**  
 40,745# 20/40 sand in 274 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25.2 BPM. Screened out w/ 21,727# sand in formation, 19,018# sand in casing. Calc. flush: 4375 gal. Actual flush: 546 gal.

**PERFORATION RECORD**

6/22/95	5662'-5676'	4 JSPP	24 holes
6/24/95	5401'-5423'	4 JSPP	88 holes
6/24/95	5336'-5347'	4 JSPP	44 holes
6/24/95	5356'-5360'	4 JSPP	16 holes
6/24/95	5363'-5366'	4 JSPP	12 holes
6/24/95	5368'-5374'	4 JSPP	24 holes
6/26/02	4586'-4592'	4 JSPP	24 holes
6/26/02	4375'-4382'	4 JSPP	28 holes



**Monument Butte St. #14-36**  
 739' FSL & 2320' FWL  
 SESW Section 27-T8S-R17E  
 Duchesne Co, Utah  
 API #43-013-31508; Lease #ML-22061

# Monument Butte #2-2-9-16

Spud Date: 08/28/2002  
 Put on Production: 01/21/2003  
 GL: 5475' KB: 5487'

Initial Production: 79 BOPD,  
 311 MCFD, 5 BWPD,

Injection Wellbore Diagram

**SURFACE CASING**

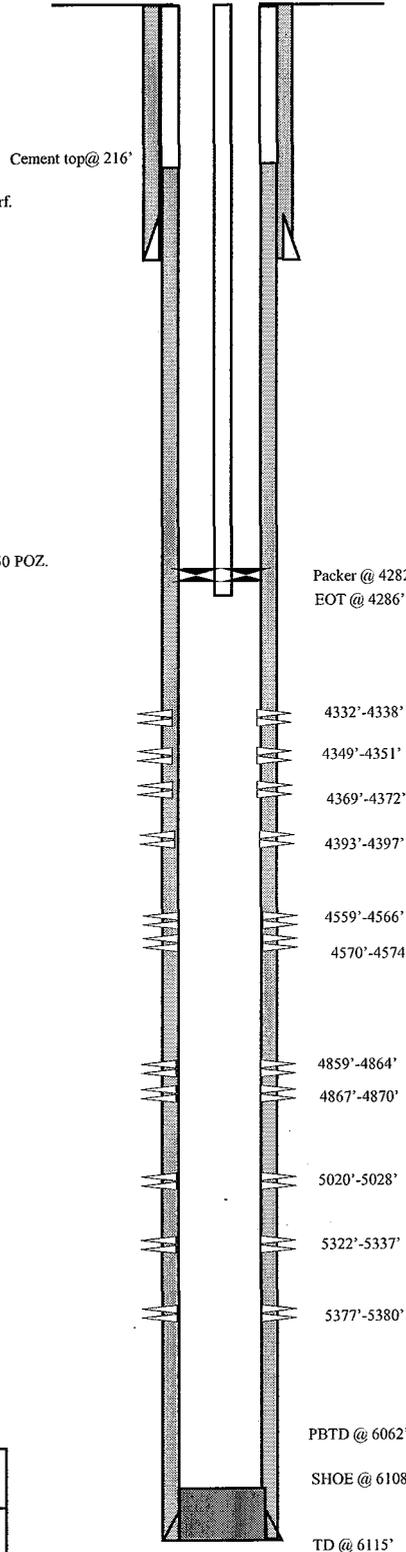
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (290.39')  
 DEPTH LANDED: 298.39' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts. (6109.91')  
 DEPTH LANDED: 6107.91' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs Prem. Lite II mixed & 500 sxs 50/50 POZ.  
 CEMENT TOP AT: 216'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 137 jts (4265.23')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4277.23' KB  
 TOTAL STRING LENGTH: EOT @ 4285.73'



**FRAC JOB**

1/16/03 5322'-5380' **Frac A1 & A3 sands as follows:**  
 88,884# 20/40 sand in 650 bbls Viking I-25 fluid. Treated @ avg press of 2243 psi w/avg rate of 24.5 BPM. ISIP- 2230 psi. Calc. Flush: 5322 gal. Actual Flush: 5250 gal.

1/16/03 4859'-5028' **Frac D1 & C sands as follows:**  
 68,788# 20/40 sand in 540 bbls Viking I-25 fluid. Treated @ avg press of 2134 psi w/avg rate of 26.4 BPM. ISIP- 2200 psi. Calc flush: 4859 gal. Actual flush: 4767 gal.

1/16/03 4332'-4574' **Frac PB10, GB6 & GB4 sands as follows:**  
 65,544# 20/40 sand in 519 bbls Viking I-25 fluid. Treated @ avg press of 2094 psi w/avg rate of 24.6 BPM. ISIP 2390 psi. Calc flush: 4332 gal. Actual flush: 4242 gal.

3/24/09 **Well converted to an Injection well.**

3/31/09 **MIT completed and submitted.**

**PERFORATION RECORD**

Date	Interval	ISPF	Holes
1/15/03	5322'-5337'	2	30
1/15/03	5377'-5380'	4	12
1/16/03	4859'-4864'	4	20
1/16/03	4867'-4870'	4	12
1/16/03	5020'-5028'	4	32
1/16/03	4332'-4338'	4	24
1/16/03	4349'-4351'	4	8
1/16/03	4369'-4372'	4	12
1/16/03	4393'-4397'	4	16
1/16/03	4559'-4566'	4	28
1/16/03	4570'-4574'	4	16

**NEWFIELD**

**Monument Butte**  
 660' FNL & 1980' FEL  
 NWNE Section 02-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32314; Lease #ML-21839

# Monument Butte 1A-2-9-16

Spud Date: 08/16/2002  
 Put on Production: 9/21/02  
 GL: 5440' KB: 5450'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (293')  
 DEPTH LANDED: 301' KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

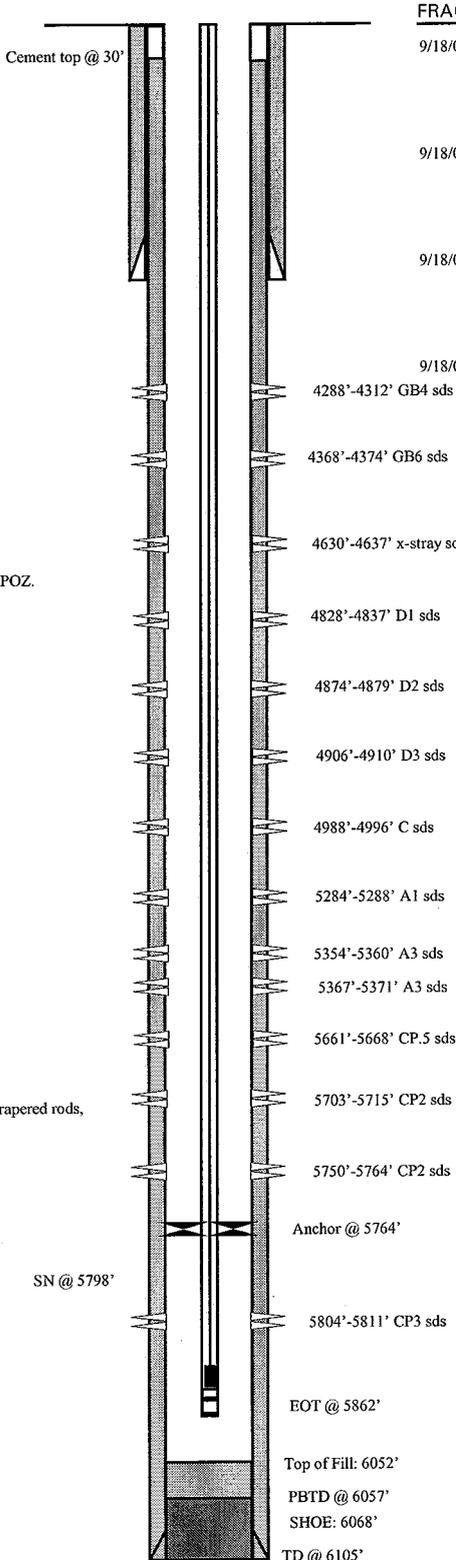
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (6070')  
 DEPTH LANDED: 6068' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 30'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 183 jts (5754')  
 TUBING ANCHOR: 5764' KB  
 NO. OF JOINTS: 1 jts (31')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5798' KB  
 NO. OF JOINTS: 2 jts (63')  
 TOTAL STRING LENGTH: EOT @ 5862' W/10' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-8", 1-6", 1-2" x 3/4" pony rods, 100-3/4" scraped rods, 115-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight bars.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15.5' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: DIGL/SP/GR/CAL



**FRAC JOB**

9/18/02 5661'-5811' **Frac CP.5,2,3 sands as follows:**  
 60,000# 20/40 sand in 260 bbls Viking I-25 fluid. Treated @ avg press of 1475 psi w/avg rate of 25.6 BPM. ISIP 1920 psi. Calc flush: 5661 gal. Actual flush: 5565 gal.

9/18/02 5284'-5371' **Frac A 1,3, sands as follows:**  
 6000# 20/40 sand in 258 bbls Viking I-25 fluid. Treated @ avg press of 1850 psi w/avg rate of 25.7 BPM. ISIP 2080 psi. Calc flush: 5284 gal. Actual flush: 5208 gal.

9/18/02 4828'-4996' **Frac C/D sands as follows:**  
 75,000# 20/40 sand in 337 bbls Viking I-25 fluid. Treated @ avg press of 1835 psi w/avg rate of 25.9 BPM. ISIP 2090 psi. Calc flush: 4828 gal. Actual flush: 4746 gal.

9/18/02 4288'-4637' **Frac X/GB 4,6 sands as follows:**  
 96,480# 20/40 sand in 391 bbls Viking I-25 fluid. Treated @ avg press of 1685 psi w/avg rate of 25.7 BPM. ISIP 1980 psi. Calc flush: 4288 gal. Actual flush: 4200 gal.

**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
9/18/02	5804'-5811'	4 JSPF	28 holes
9/18/02	5750'-5754'	4 JSPF	16 holes
9/18/02	5703'-5715'	4 JSPF	48 holes
9/18/02	5661'-5668'	4 JSPF	28 holes
9/18/02	5367'-5371'	4 JSPF	16 holes
9/18/02	5354'-5360'	4 JSPF	24 holes
9/18/02	5284'-5288'	4 JSPF	16 holes
9/18/02	4988'-4996'	4 JSPF	32 holes
9/18/02	4906'-4910'	4 JSPF	16 holes
9/18/02	4874'-4879'	4 JSPF	20 holes
9/18/02	4828'-4837'	4 JSPF	36 holes
9/18/02	4630'-4637'	4 JSPF	28 holes
9/18/02	4368'-4374'	4 JSPF	24 holes
9/18/02	4288'-4312'	2 JSPF	48 holes



**Monument Butte #1A-2-9-16**  
 714' FNL & 728' FEL  
 NE/NE Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32313; Lease #ML-21839

# Monument Butte Fed. #1-1-9-16

Spud Date: 4/30/1981  
Put on Production: 8/6/1981

GL: 5387' KB: 5397'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 288.50'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 230 sxs Class "G" cmt.

**PRODUCTION CASING**

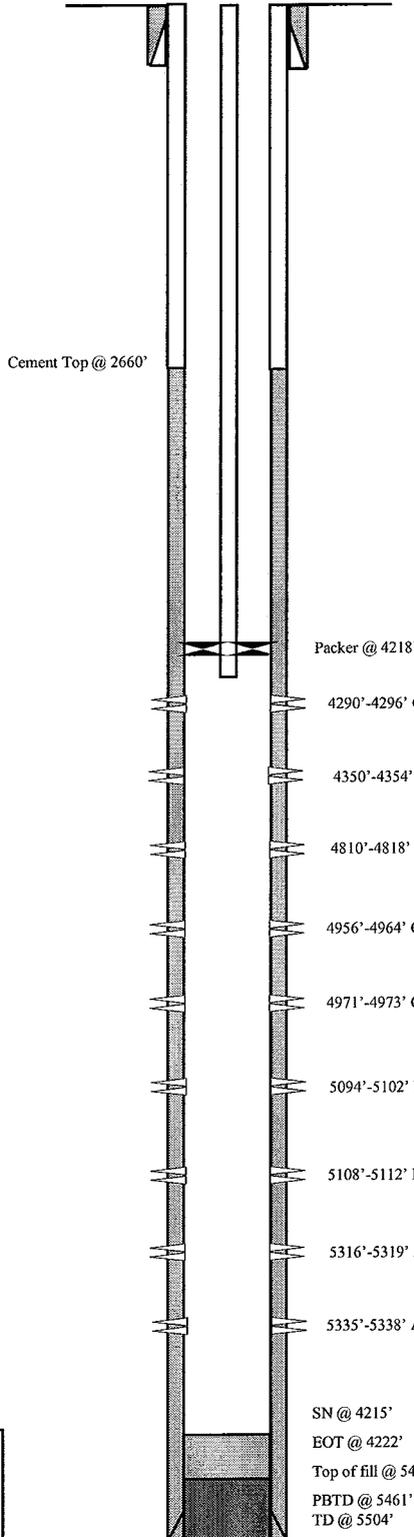
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5504'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 390 sk Pozmix.  
CEMENT TOP AT: 2660' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 129 jts (4201.02')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4215.12' KB  
TUBING PACKER: 4218.32'  
TOTAL STRING LENGTH: EOT @ 4222.44'

Initial Production: 69 BOPD,  
0 MCFD, 0 BWPD

Injection  
Wellbore Diagram



**FRAC JOB**

7/12/81	5316'-5338'	<b>Frac A3 sand as follows:</b> 1000 gal 15% HCl followed by 14,840# 20/40 sand in 304 bbls gelled 2% KCl fluid. Treated @ avg press of 2300 psi w/avg rate of 20 BPM.
7/17/81	5094'-5112'	<b>Frac B2 sand as follows:</b> 3000 gal 15% HCl followed by 25,200# 20/40 sand + 9,000# 10/20 sand in 428 bbls gelled diesel. Treated @ avg press of 3150 psi w/avg rate of 20 BPM.
10/01/82	4956'-4973'	<b>Frac zone as follows:</b> 10,000 gal pad followed by 85,000# 20/40 sand in 607 bbls fluid. Treated @ avg press of 2400 psi w/avg rate of 30 BPM. ISIP 2200 psi.
12/10/01	4810'-4818'	Broke w/ 10 bbl, 2900 psi, ISIP 2200 psi.
12/10/01	4350'-4354'	Broke w/ 10 bbl, 2400 psi, ISIP 1700 psi.
12/10/01	4290'-4296'	Broke w/ 10 bbl, 1800 psi, ISIP 1750 psi.
12/11/01		Convert to injector.
12-15-06		5 Year MIT completed.

**PERFORATION RECORD**

7/12/81	5335'-5338'	2 SPF	03 holes
7/12/81	5316'-5319'	2 SPF	03 holes
7/17/81	5108'-5112'	1 SPF	04 holes
7/17/81	5094'-5102'	1 SPF	08 holes
9/30/82	4971'-4973'	2 SPF	04 holes
9/30/82	4956'-4964'	1 SPF	09 holes
12/7/01	4810'-4818'	4 SPF	32 holes
12/7/01	4350'-4354'	4 SPF	16 holes
12/7/01	4290'-4296'	4 SPF	24 holes

**NEWFIELD**

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**Monument Butte Fed. #1-1-9-16**

684' FNL & 1930' FWL  
NENW Section 1-T9S-R16E  
Duchesne Co, Utah  
API #43-013-30571; Lease #UTU-72104

# Balcron Monument Federal #31-1J-9-16

Spud Date: 9/15/95  
 Put on Production: 10/13/95  
 GL: 5368' KB: 5377'

Initial Production: 34 BOPD,  
 NM MCFPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. 252.45'  
 DEPTH LANDED: 262.45' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Premium cmt, est 4 bbbs cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (5895.78')  
 DEPTH LANDED: 5907.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Super G & 288 sxs 50/50 POZ.  
 CEMENT TOP AT: 804' KB

**TUBING**

SIZE/GRADE/WT.: 2-7/8"/6.5#/J-55  
 NO. OF JOINTS: 173 jts. (5241.35') Btm 15 jts YB  
 TUBING ANCHOR: 5250.35' KB  
 NO. OF JOINTS: 2 jts. (63.81')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5316.96' KB  
 NO. OF JOINTS: 1 jt. (28.10')  
 TOTAL STRING LENGTH: EOT @ 5346.61' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' polished rod.  
 SUCKER RODS: 6- 1 1/2" wt. rods, 10-3/4" scraper rods (new), 106- 3/4" plain rods, 90- 3/4" plain rods (new), 1-2', 1-4' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2 x 1-1/2 x 15.5" RHAC pump  
 STROKE LENGTH: 85"  
 PUMP SPEED, SPM: 4.5 SPM  
 LOGS: CBL/GR/Collars: Litho Density Compensated Neutron/GR; Dual Laterolog w/Linear Correlation GR

**FRAC JOB**

9/28/95	5258'-5284'
9/29/95	5068'-5076'
10/03/95	4783'-4940'
10/10/99	
6/21/02	4490'-4498'
6/21/02	4225'-4334'

**Frac sand as follows:**  
 14,000# 20/40 sand + 60,000# 16/30 sand in 530 bbbs 2% KCl water. Treated @ avg press of 2150 psi w/avg rate of 32 BPM. ISIP 2100 psi. Calc. flush: 5258 gal., Actual flush: 5208 gal.

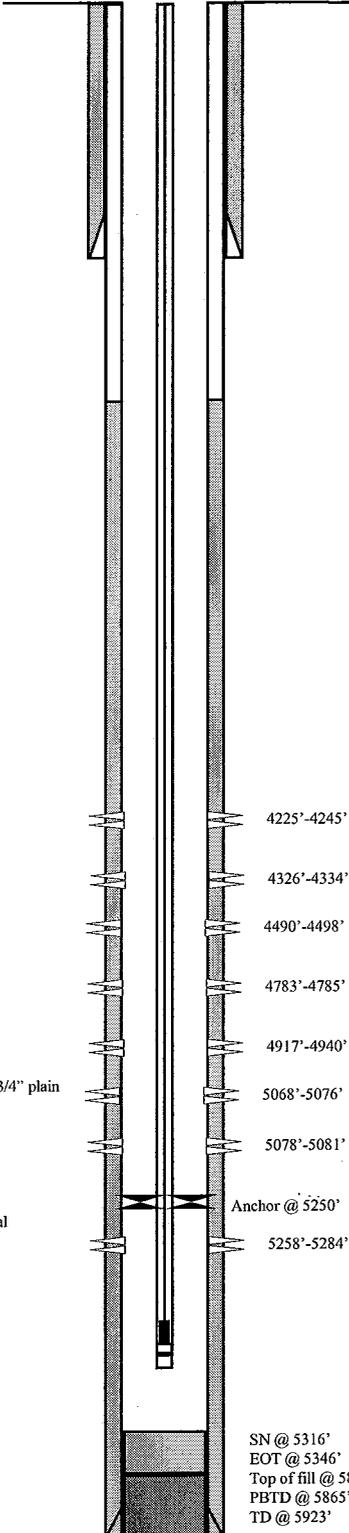
**Frac sand as follows:**  
 16,000# 20/40 sand + 24,000# 16/30 sand in 354 bbbs 2% KCl water. Treated @ avg press of 2150 psi w/avg rate of 31.4 BPM. ISIP 1950 psi. Calc. flush: 5068 gal., Actual flush: 5040 gal.

**Frac sand as follows:**  
 72,000# 16/30 sand in 501 bbbs 2% KCl water. Treated @ avg press of 2400 psi w/avg rate of 31.7 BPM. ISIP 2300 psi. Calc. flush: 4783 gal., Actual flush: 4746 gal.

Pump change. Update rod and tubing details.

**Frac PB10 sand as follows:**  
 28,308# 20/40 sand in 290 bbbs Viking I-25 frac fluid. Treated @ avg press of 2230 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc. flush: 4490 gal., Actual flush: 4445 gal.

**Frac GB4,6 sands as follows:**  
 92,383# 20/40 sand in 732 bbbs Viking I-25 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc. flush: 4225 gal., Actual flush: 4158 gal.



**PERFORATION RECORD**

9/27/95	5258'-5284'	2 JSPP	52 holes
9/28/95	5078'-5081'	4 JSPP	32 holes
9/28/95	5068'-5076'	4 JSPP	12 holes
10/02/95	4917'-4940'	1 JSPP	03 holes
10/02/95	4783'-4785'	1 JSPP	11 holes
6/21/02	4490'-4498'	4 JSPP	32 holes
6/21/02	4326'-4334'	4 JSPP	32 holes
6/21/02	4225'-4245'	4 JSPP	80 holes

SN @ 5316'  
 EOT @ 5346'  
 Top of fill @ 5804'  
 PBTD @ 5865'  
 TD @ 5923'



**Balcron Monument Federal #31-1J-9-16**  
 660' FNL & 1980' FEL  
 NWNE Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31413; Lease #U-33992

# S. Monument Butte G-1-9-16

Spud Date: 8/16/08  
 Put on Production: 9/24/08  
 GL: 5404' KB: 5416'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (324.89')  
 DEPTH LANDED: 336.74'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts (6266.29')  
 SET AT: 6236.17'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx Premlite II and 450 sx 50/50 Poz  
 CEMENT TOP AT: 24'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 195 jts ( 6004.69')  
 TUBING ANCHOR: 6016.69' KB  
 NO. OF JOINTS: 1 jt ( 30.67')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6050.16' KB  
 NO. OF JOINTS: 1 jt ( 31.05')  
 TOTAL STRING LENGTH: EOT @ 6082.76'

**SUCKER RODS**

POLISHED ROD: 1 1/2" x 26' polished rod  
 SUCKER RODS: 1-8', 1-6' & 1-4' x 7/8" ponies, 237-7/8" scraped rods, 4-1 1/2" wt rods, 1 5/8" shear cplg (21k)  
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 20'  
 STROKE LENGTH: 122  
 PUMP SPEED, SPM: 5.5

**FRAC JOB**

9/17/08 6062-6072' Frac CP5 sds as follows:  
 30,582#s of 20/40 sand in 425 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2124 psi w/ ave rate of 21.2 BPM. ISIP 1956 psi. Actual flush: 5557 gals.

9/17/08 5888-5904' Frac CP3 sds as follows:  
 45,555#s of 20/40 sand in 465 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1725 psi w/ ave rate of 22.3 BPM. ISIP 1772 psi. Actual flush: 5296 gals.

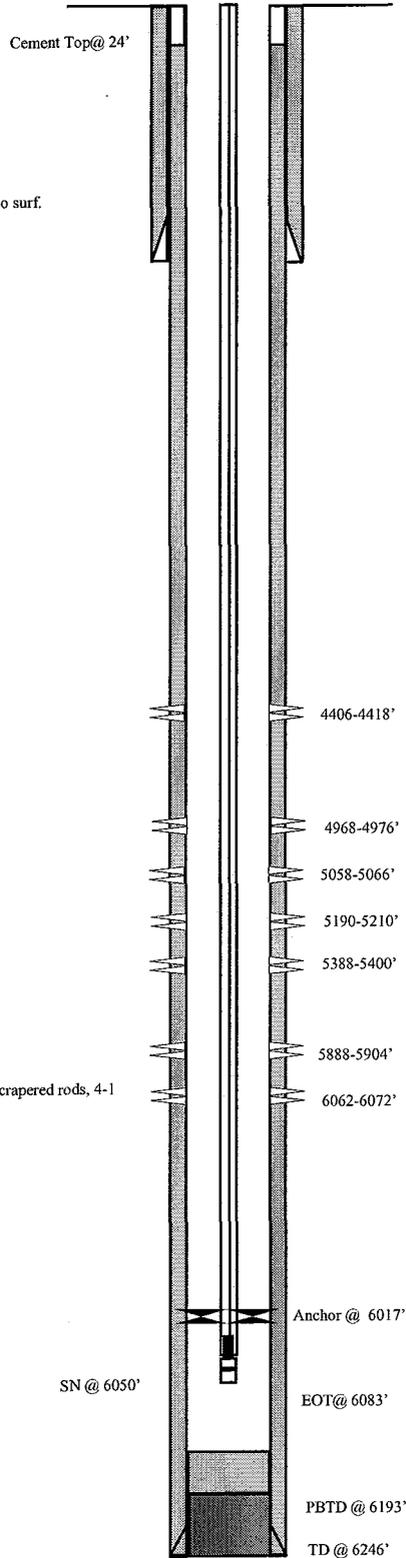
9/18/08 5388-5400' Frac A1 sds as follows:  
 45,735#s of 20/40 sand in 452 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1841 psi w/ ave rate of 22.3 BPM. ISIP 1967 psi. Actual flush: 4880 gals.

9/18/08 5190-5210' Frac B2 sds as follows:  
 55,539#s of 20/40 sand in 493 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1702 psi w/ ave rate of 22.3 BPM. ISIP 1945 psi. Actual flush: 4683 gals.

9/18/08 5058-5066' Frac C sds as follows:  
 25,121#s of 20/40 sand in 380 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2264 psi w/ ave rate of 22.3 BPM. ISIP 2721 psi. Actual flush: 4553 gals.

9/18/08 4968-4976' Frac D2 sds as follows:  
 25,324#s of 20/40 sand in 356 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2072 psi w/ ave rate of 22.3 BPM. ISIP 1963 psi. Actual flush: 4376 gals.

9/18/08 4406-4418' Frac GB6 sds as follows:  
 27,816#s of 20/40 sand in 374 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2359 psi w/ ave rate of 22.2 BPM. ISIP 2078 psi. Actual flush: 4322 gals.



**PERFORATION RECORD**

9/18/08	4406-4418'	4 JSPF	48 holes
9/18/08	4968-4976'	4 JSPF	32 holes
9/18/08	5058-5066'	4 JSPF	32 holes
9/18/08	5190-5210'	4 JSPF	80 holes
9/18/08	5388-5400'	4 JSPF	48 holes
9/17/08	5888-5904'	4 JSPF	32 holes
9/17/08	6062-6072'	4 JSPF	40 holes

**NEWFIELD**

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**S. Monument Butte G-1-9-16**

2076' FNL & 2024' FWL

SE/NW Section 1-T9S-R16E

Duchesne Co, Utah

API #43-013-33964; Lease #UTU-72103

# Monument Butte St. #1-2-9-16

Spud Date: 8/25/81  
 Put on Production: 11/6/81  
 GL: 5457' KB: 5469'

Initial Production: 75 BOPD,  
 0 MCFD, 20 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 180 sxs Class "G" cmt.

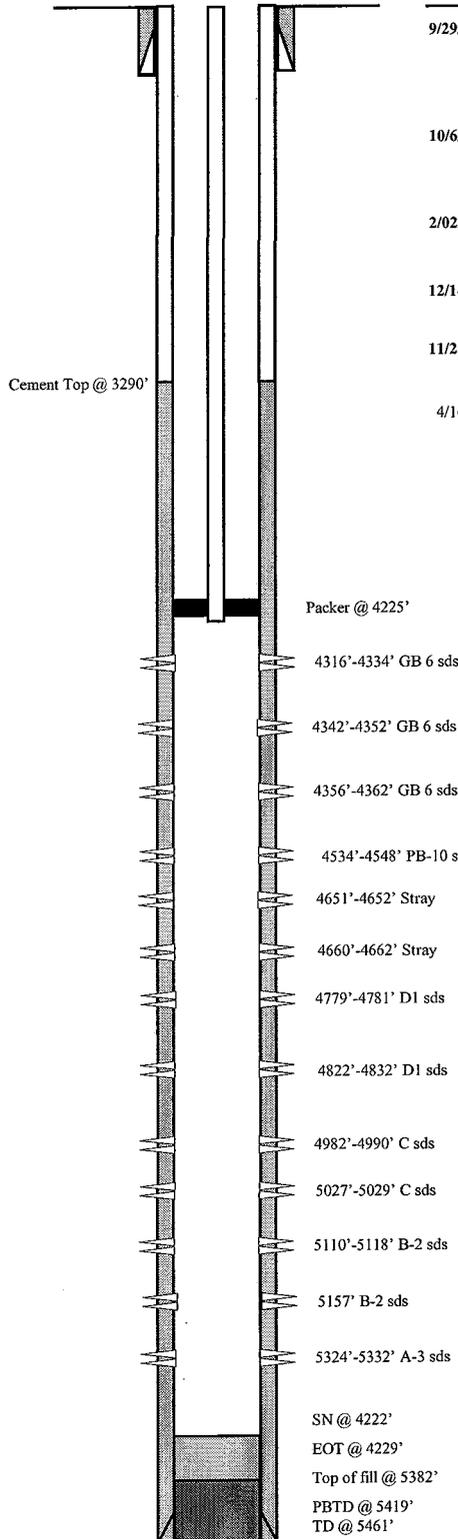
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 14# & 15.5#  
 LENGTH: 131 jts. (5488') 1013' of 15.5# & 4448' of 14#  
 DEPTH LANDED: 5461'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 685 sxs Class "G" cement  
 CEMENT TOP AT: 3,290' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 129 jts. (4209.33')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4222.43' KB  
 TUBING PACKER: 4225.63'  
 TOTAL STRING LENGTH: EOT @ 4229.75'

Injection  
 Wellbore Diagram



**FRAC JOB**

9/29/81 4651'-5328' Frac A,B,C,D sands as follows:  
 35,000# 20/40 sand + 11,500 # 10/20 sand in  
 440 bbls gelled diesel. Treated @ avg press of  
 4300 psi w/avg rate of 21 BPM. ISIP 2450.  
 Flush to top perms.  
 10/6/81 4534'-4544' Frac PB-10 sand as follows:  
 29,000# 20/40 sand in 286 bbls gelled diesel.  
 Treated @ avg press of 3200 psi w/avg rate of  
 12 BPM. ISIP 2600.  
 2/02/85 4317'-4350' Frac zone as follows:  
 118,000# 20/40 sand in 785 bbls gelled frac  
 fluid.  
 12/14/01 Convert to injector.  
 11/21/06 5 Year MIT completed on 11/15/06 and  
 submitted on 11/21/06.  
 4/16/08 Zone Stimulation.

**PERFORATION RECORD**

9/29/81	5328, 5326, 5157, 5116, 5114, 5113,		
	5029, 5027, 4988, 4987, 4986, 4826, 4825, 4824, 4781,		
	4779, 4662, 4661, 4660, 4652, 4651'	1 SPF	20 holes
10/4/81	4534'-4544'	2 SPF	24 holes
2/21/85	4342'-4350'		05 holes
2/21/85	4317'-4334'		10 holes
12/13/01	5324'-5332'	4 SPF	32 holes
12/13/01	5110'-5118'	4 SPF	32 holes
12/13/01	4982'-4990'	4 SPF	48 holes
12/13/01	4822'-4832'	4 SPF	40 holes
12/13/01	4534'-4548'	4 SPF	56 holes
12/13/01	4356'-4362'	4 SPF	36 holes
12/13/01	4342'-4352'	4 SPF	40 holes
12/13/01	4316'-4334'	4 SPF	32 holes

**NEWFIELD**

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**Monument Butte St. #1-2-9-16**  
 1605' FNL & 1908' FEL  
 SWNE Section 2-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30596; Lease #U-21839

# Monument Butte St. #8-2-9-16

Spud Date: 10/06/95  
Put on Production: 12/02/95

GL: 5447' KB: 5461'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 302'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Class "G" cement.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
DEPTH LANDED: 5891'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 225 sxs Hifill & 210 sxs premium Plus.  
CEMENT TOP AT: ? per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 165 jts (5265.86')  
TUBING ANCHOR: 5278.86' KB  
NO. OF JOINTS: 2 jts (62.34')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5344' KB  
NO. OF JOINTS: 1 jts (31.75')  
TOTAL STRING LENGTH: EOT @ 5377.30' W/13'KB

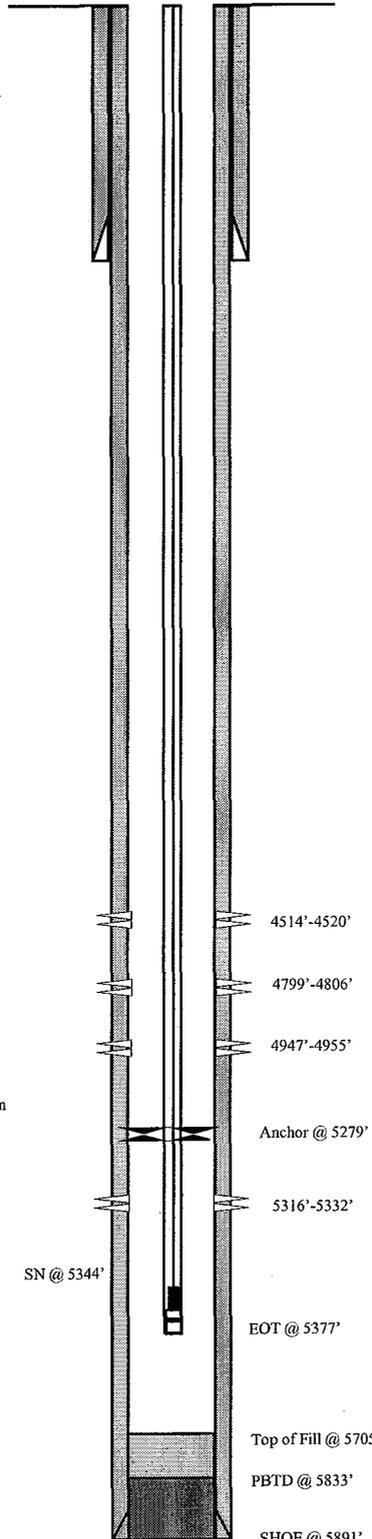
**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 6-1 1/2" weight bars; 20-3/4" guided rods, 93-3/4" plain rods, 93-3/4" guided rods, 1-4', 1-8' x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC  
STROKE LENGTH: 72"  
PUMP SPEED, ? SPM: ?  
LOGS: DIGL/SP/GR/CAL



**Monument Butte St. #8-2-9-16**  
2078' FNL & 463' FEL  
SENE Section 2-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31509; Lease #ML-21839

Wellbore Diagram



Initial Production: 149 BOPD,  
105 MCFD, 2 BWPD

**FRAC JOB**

11/22/95	5316'-5332'	<b>Frac A3 sand as follows:</b> 70,700# 20/40 sand in 537 bbls Boragel. Treated @ avg press of 2400 psi w/avg rate of 31.5 BPM. ISIP 2280 psi. Calc. flush: 5316 gal. Actual flush: 5233 gal.
11/25/95	4947'-4955'	<b>Frac C-sd sand as follows:</b> 47,000# 20/40 sand in 443 bbls Boragel. Treated @ avg press of 2200 psi w/avg rate of 27 BPM. ISIP 2130 psi. Calc. flush: 4947 gal. Actual flush: 4858 gal.
11/28/95	4799'-4806'	<b>Frac D1 sand as follows:</b> 48,200# 16/30 sand in 446 bbls Boragel. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 2255 psi. Calc. flush: 4799 gal. Actual flush: 4748 gal.
11/01/99		Tubing leak. Update rod and tubing details.
7/09/02	4514'-4520'	<b>Frac PB10 sand as follows:</b> 36,336# 20/40 sand in 347 bbls Viking I-25 fluid. Treated @ avg press of 2225 psi w/avg rate of 25.5 BPM. ISIP 2340 psi. Calc. flush: 4514 gal. Actual flush: 4410 gal.
8/5/03		Pump Change. Update tubing and rod details.
04/14/08		<b>Parted Rods.</b> Rod & tubing detail updated.

**PERFORATION RECORD**

11/22/95	5316'-5332'	4 JSPF	64 holes
11/25/95	4947'-4955'	4 JSPF	32 holes
11/28/95	4799'-4806'	4 JSPF	28 holes
7/09/02	4514'-4520'	4 JSPF	24 holes

# Monument Butte Fed. 5-1

Initial Production: 135 BOPD, 120 MCFD  
55 BWPD

Spud Date: 7/24/95  
Put on Production: 11/20/95  
GL: 5428' KB: 5441'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (299.64)  
DEPTH LANDED: 296.99'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sx Premium 250

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts (6088")  
SET AT: 6076'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 255 sx HiFill & 325 sx Thixotropic.  
CEMENT TOP AT:

**TUBING**

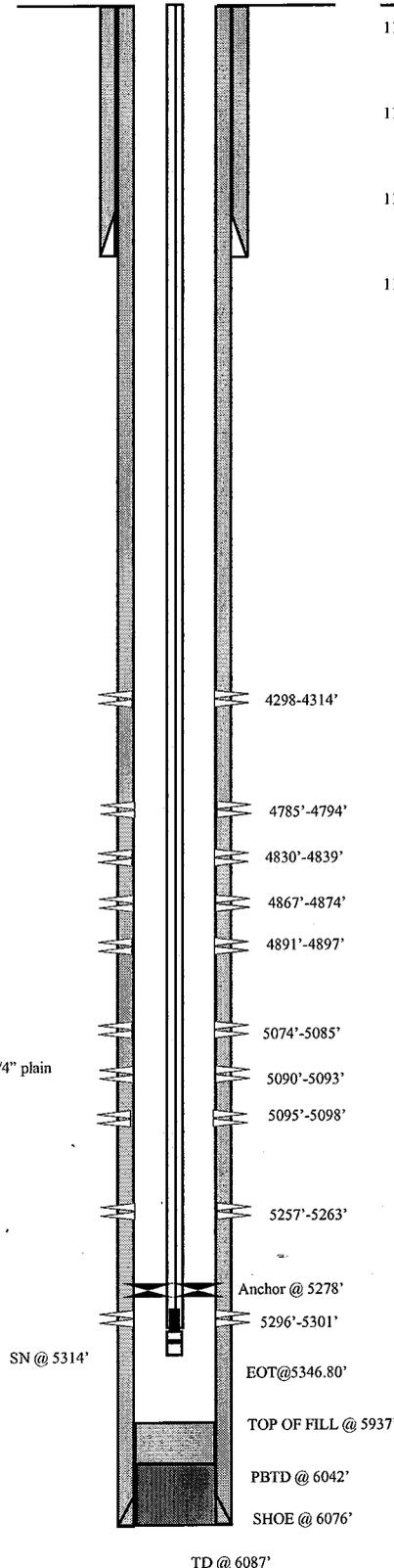
SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 160 jts (4907.91')  
NO. OF JOINTS: 11 jts (357.38')  
TUBING ANCHOR: 5278.29' KB  
NO. OF JOINTS: 1 (33.38')  
SEATING NIPPLE: 2-7/8" (1.10")  
SN LANDED AT: 5314.47' KB  
NO. OF JOINTS: 1 jt (30.78')  
TOTAL STRING LENGTH: EOT @ 5346.80' W/ 13' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2"x22'  
SUCKER RODS: 5-1 1/2" weight bars, 19 3/4" scraped rods, 90-3/4" plain rods, 98- 3/4" scraped rods, 1-6', 1-2'x 3/4" pony rods.  
PUMP SIZE: 2-1/2"x1-1/2"x16" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4  
LOGS:

**FRAC JOB**

11/11/95 5257'-5301' 86,800# 20/40 sand in 652 bbls frac fluid. Avg TP 2000 psi w/avg rate of 37.5 BPM. ISIP-2040 psi. Calc flush: 5257 gal. Act flush: 5213 gal.  
11/14/95 5257'-5301' 89,500# 20/40 sand in 590 bbls frac fluid. Avg TP 1800 psi w/avg rate of 35 BPM. ISIP-2036 psi. Calc flush: 5074 gal. Act flush: 5031 gal.  
11/16/95 5257'-5301' 110,000# 20/40 sand in 774 bbls frac fluid. Avg TP 1647 psi w/avg rate of 36 BPM. ISIP-2400 psi. Calc flush: 4785 gal. Act flush: 4721 gal.  
11/03/04 4298-4314' **Frac GB6 sands as follows:**  
78,348# 20/40 sand in 577 bbls Lightning 17 frac fluid. Treated @ Avg press. of 1875 psi w/avg rate of 24.9 BPM. ISIP-2200 psi. Calc flush: 4296 gal. Act flush: 4087 gal.



**PERFORATION RECORD**

Date	Interval	Number of Holes	Notes
11/10/95	5257'-5295'	4 JSPF	24 holes
11/10/95	5296'-5301'	4 JSPF	20 holes
11/12/95	5074'-5085'	4 JSPF	44 holes
11/12/95	5090'-5093'	4 JSPF	12 holes
11/12/95	5095'-5098'	4 JSPF	12 holes
11/15/95	4785'-4794'	4 JSPF	36 holes
11/15/95	4830'-4839'	4 JSPF	36 holes
11/15/95	4867'-4874'	4 JSPF	28 holes
11/15/95	4891'-4897'	4 JSPF	24 holes
11/02/04	4298-4314'	2 JSPF	32 holes

**NEWFIELD**

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**Monument Butte Fed. 5-1**

1984 FNL & 666 FWL

SW/NW Section 1-T9S-R16E

Duchesne Co, Utah

API #43-013-31507; Lease #UTU-72103

# Monument Butte Fed. #6-1-9-16

Spud Date: 4/16/96  
Put on Production: 6/25/96

Initial Production: 26 BOPD,  
32 MCFD, 7 BWPD

Wellbore Diagram

GL: 5406' KB: 5421'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 293.21' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
DEPTH LANDED: 5825.44' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 270 sxs Hifill & 395 sxs Thixotropic.  
CEMENT TOP AT: ? per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 167 jts (5222.63')  
TUBING ANCHOR: 5240.43' KB  
NO. OF JOINTS: 1 jts (31.21')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5272.74' KB  
NO. OF JOINTS: 1 jts (31.55')  
TOTAL STRING LENGTH: EOT @ 5304.74' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2", 1-6' x 3/4" pony rods, 115-3/4" scraped rods, 85-3/4" slick rods, 4-3/4" scraped rods, 6-1 1/2" weight bars.  
PUMP SIZE: 2 1/2 X 1-1/4 X 15'  
STROKE LENGTH: 54"  
PUMP SPEED, SPM: 7.5 SPM

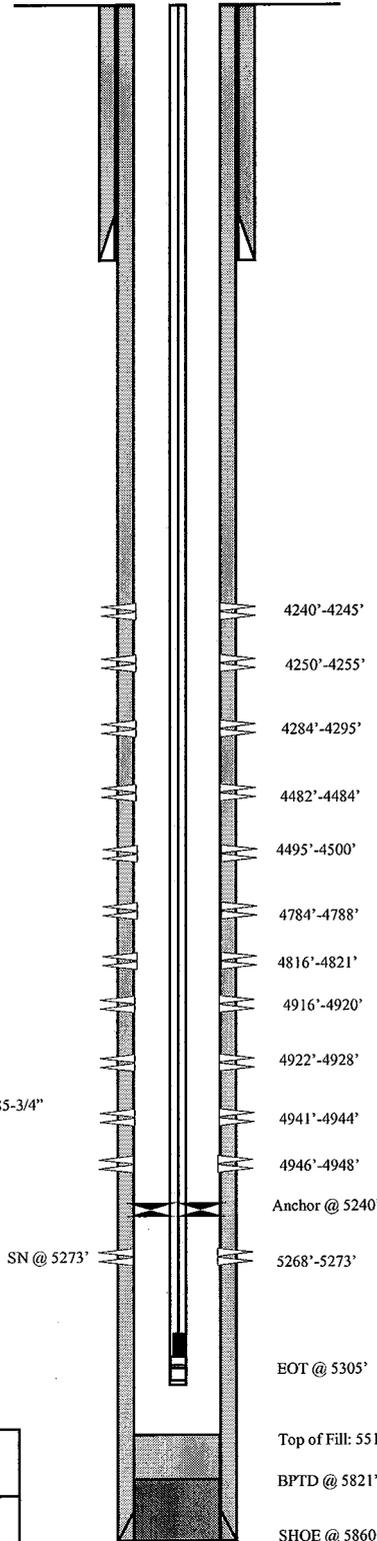
**FRAC JOB**

6/19/96 5268'-5273' **Frac A sand as follows:**  
52,200# 20/40 sand in 339 bbls Boragel frac fluid. Treated @ avg press of 2300 psi w/avg rate of 16.4 BPM. ISIP 2446 psi. Calc flush: 5268 gal. Actual flush: 5116 gal.

6/21/96 4784'-4948' **Frac C & D sands as follows:**  
75,600# 20/40 sand in 411 bbls Boragel frac fluid. Treated @ avg press of 1600 psi w/avg rate of 24.8 BPM. ISIP 2585 psi. Calc flush: 4784 gal. Actual flush: 4710 gal.

1/19/97  
10/2/02 4240'-4500' **Frac GB4 & PB10 sands as follows:**  
99,953# 20/40 sand in 422 bbls Viking 1-25 fluid. Treated @ avg press of 2245 psi w/avg rate of 26 BPM. ISIP 2280 psi. Calc flush: 4240 gal. Actual flush: 4116 gal.

02/02/06  
Tubing Leak. Update rod and tubing details.



**PERFORATION RECORD**

6/18/96	5268'-5273'	4 JSPF	20 holes
6/20/96	4946'-4948'	4 JSPF	08 holes
6/20/96	4941'-4944'	4 JSPF	12 holes
6/20/96	4922'-4928'	4 JSPF	24 holes
6/20/96	4916'-4920'	4 JSPF	16 holes
6/20/96	4816'-4821'	4 JSPF	20 holes
6/20/96	4784'-4788'	4 JSPF	16 holes
10/1/02	4495'-4500'	4 JSPF	20 holes
10/1/02	4482'-4484'	4 JSPF	8 holes
10/1/02	4284'-4295'	4 JSPF	44 holes
10/1/02	4250'-4255'	4 JSPF	20 holes
10/1/02	4240'-4245'	4 JSPF	20 holes

**NEWFIELD**

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**Monument Butte Fed. #6-1-9-16**  
2080' FNL & 2045' FWL  
SENW Section 1-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31506; Lease #U-72103

Spud Date: 12/2/82  
 Put on production: 1/12/83  
 Put on Injection: 8/18/94  
 GL: 5488' KB: 5500'

# Monument Butte Fed. #1-13-9-16

Initial Production: 265 BOPD,  
 100 MCFD, 0 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

SIZE: 8 5/8" / K-55 / 24#  
 LENGTH: 7 jts @ 295'  
 DEPTH LANDED: 311'KB  
 HOLE SIZE: 12 1/4"  
 CEMENT DATA: 225 sxs, Class "G". Cement to surface.

### PRODUCTION CASING:

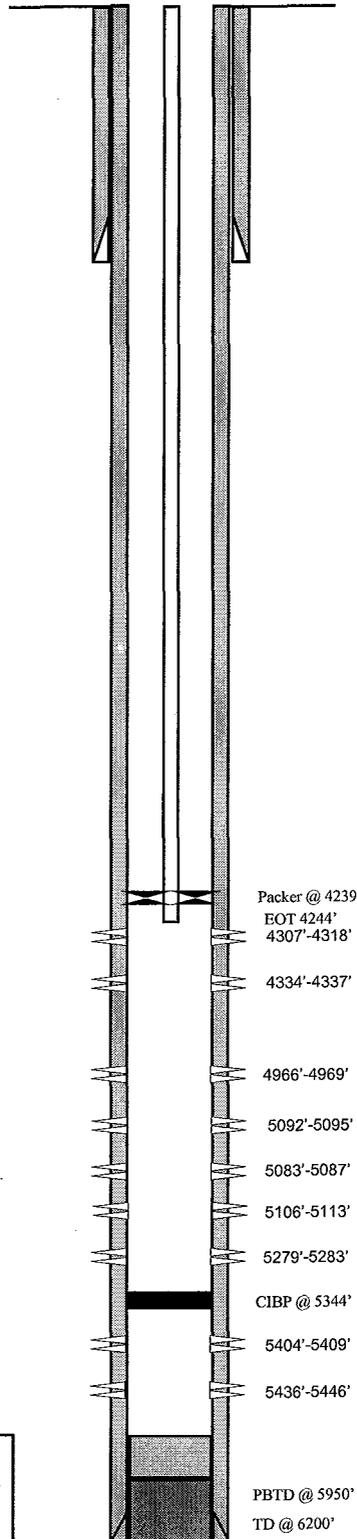
CSG SIZE: 5-1/2" / J-55 / 15.5#  
 LENGTH: 15 jts.  
 CSG SIZE: 5-1/2" / J-55 / 14#  
 LENGTH: 132 jts.  
 DEPTH LANDED: 6002' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 360 sxs BJ Lite & 525 sxs Class "G".  
 CEMENT TOP AT: 1800' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 132 jts (4235.01')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4228.27' KB  
 2 7/8" x 2 3/8" CROSS-OVER  
 TUBING PACKER: 4235.27'  
 SIZE/GRADE/WT.: 2-3/8" / J-55  
 NO. OF JOINTS: 19 jts (4858.03')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4235.01' KB  
 TUBING PACKER: 4239.36'  
 TOTAL STRING LENGTH: EOT @ 4243.56'

### FRAC JOB

1/10/83	4966'-5283'	<b>Frac zone as follows:</b> 200,800 lbs 20-40 sand in 1767 bbls. fluid. Avg treating press. 2770 psig @ 60 BPM. ISIP @ 2070 psig. Calc. Flush: 4966 gal, Actual flush: 5100 gal.
4/23/83	5404'-5446'	<b>Frac zone as follows:</b> 91,000 lbs 20-40 sand in 990 bbls. fluid. Avg treating press. 4417 psig @ 20 BPM. ISIP @ 2610 psig. Calc. Flush: 5404 gal, Actual flush: 2100 gal.
5/26/83	4307'-4327'	<b>Frac zone as follows:</b> 122,000 lbs 20-40 sand in 1098 bbls. fluid. Avg treating press. 2045 psig @ 20 BPM. ISIP @ 2100 psig. Calc. Flush: 4307 gal, Actual flush: 5100 gal.
9/13/06		<b>Well Re-completed</b> (reperf A3 sds, C sds, B2 sds.)
10/13/06		<b>MIT completed and submitted.</b>



### PERFORATION RECORD:

Date	Depth Range	SPF	Holes
1/08/83	5279'-5283'	1	5
1/08/83	5106'-5113'	1	7
1/08/83	5083'-5087'	1	4
1/08/83	5092'-5095'	1	5
1/08/83	4966'-4969'	1	4
4/22/83	5436'-5446'	2	20
4/22/83	5404'-5409'	2	10
5/25/83	4334'-4337'	2	6
5/25/83	4307'-4318'	2	22

## NEWFIELD



**Monument Butte Federal #1-13**  
 1820 FSL & 685 FWL  
 NWSW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30702; Lease #U-18399

**Multi-Chem Group, LLC**  
Multi-Chem Analytical Laboratory  
349 PR 4473  
Sonora, TX 76950

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**  
Well Name: **FED 4-1-9-16**  
Sample Point: **Tank**  
Sample Date: **1 /14/2009**  
Sales Rep: **Randy Huber**  
Lab Tech: **Joseph Sadler**

Sample ID: **WA-20274**

Sample Specifics	
Test Date:	1/29/2009
Temperature (°F):	160
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0090
pH:	9.2
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	15261
Molar Conductivity (µS/cm):	23122
Resitivity (Mohm):	0.4325

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	80.00	Chloride (Cl):	8000.00
Magnesium (Mg):	195.20	Sulfate (SO₄):	70.00
Barium (Ba):	26.16	Dissolved CO₂:	0.01
Strontium (Sr):	-	Bicarbonate (HCO₃):	1586.00
Sodium (Na):	5290.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	0.01
Iron (Fe):	13.30	Phosphate (PO₄):	-
Manganese (Mn):	0.03	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	
160	0	67.30	122.23	0.00	-2104.40	0.00	-1899.10	-	-	9.02	37.35	0.01
80	0	61.53	140.16	0.00	164.15	0.00	-2985.80	-	-	47.15	43.09	0.01
100	0	69.34	135.84	0.00	166.91	0.00	-2809.70	-	-	30.41	42.33	0.01
120	0	72.41	132.83	0.00	156.00	0.00	-2545.20	-	-	19.97	41.21	0.01
140	0	71.49	130.30	0.00	136.90	0.00	-2230.70	-	-	13.32	39.60	0.01
160	0	67.30	122.23	0.00	114.16	0.00	-1899.10	-	-	9.02	37.35	0.01
180	0	60.98	103.70	0.00	92.01	0.00	-1575.40	-	-	6.22	34.37	0.01
200	0	53.65	83.31	0.00	72.80	0.01	-1276.00	-	-	4.38	30.62	0.01
220	2.51	45.63	66.43	0.00	57.79	0.01	-1023.60	-	-	3.10	25.92	0.01
240	10.3	38.32	52.25	0.01	45.41	0.02	-794.43	-	-	2.29	20.70	0.01
260	20.76	31.53	41.16	0.01	35.77	0.03	-603.06	-	-	1.71	14.67	0.01
280	34.54	25.41	32.60	0.01	28.35	0.05	-447.60	-	-	1.29	7.53	0.01
300	52.34	20.05	26.04	0.01	22.63	0.07	-324.38	-	-	0.97	-1.13	0.01

**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

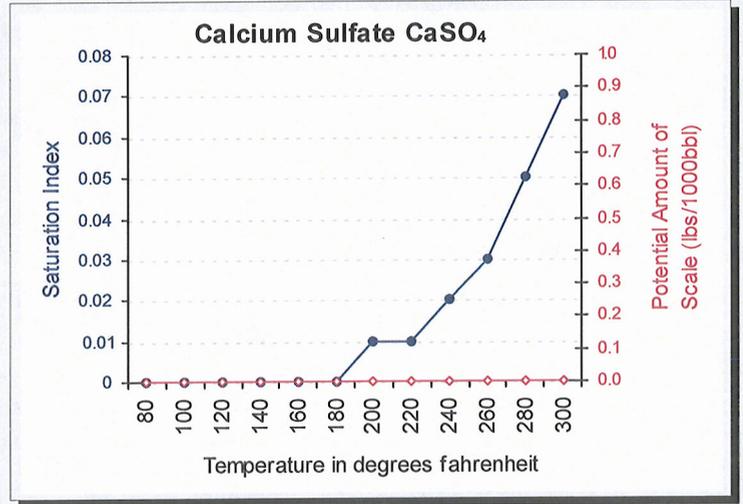
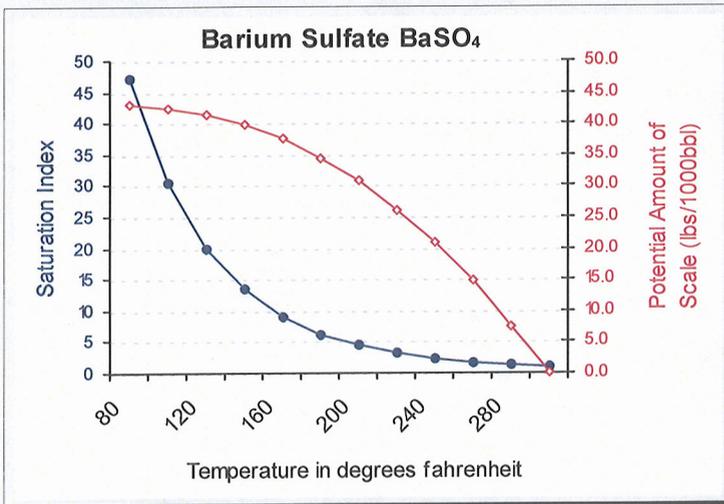
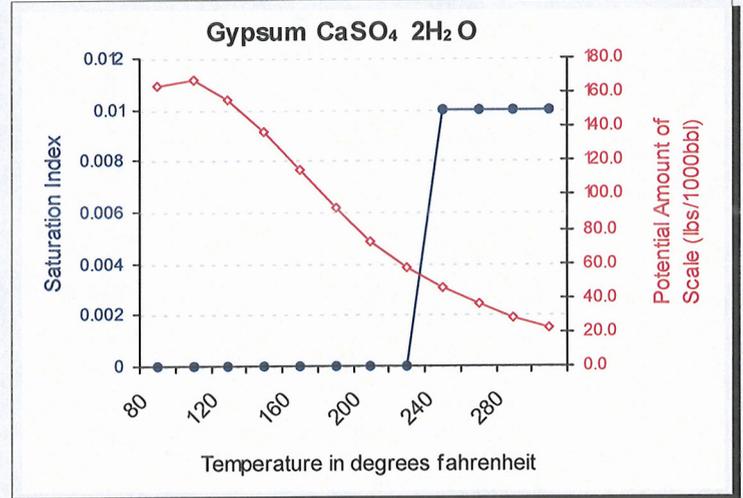
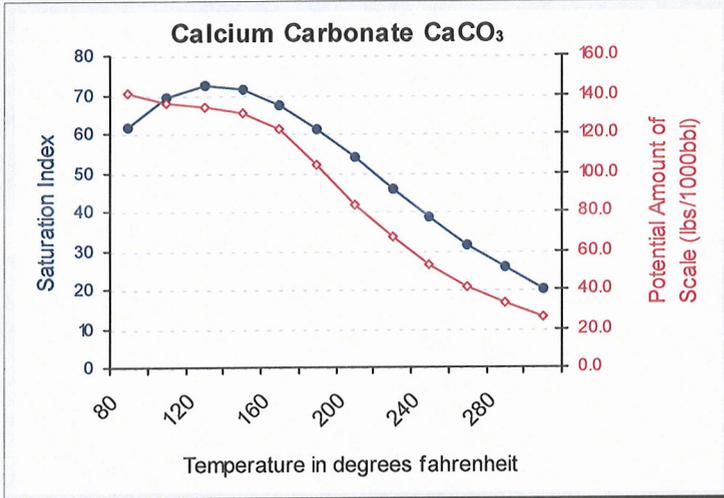
**Notes:**

**Multi-Chem Group, LLC**  
Multi-Chem Analytical Laboratory  
349 PR 4473  
Sonora, TX 76950

Scale Prediction Graphs

Well Name: FED 4-1-9-16

Sample ID: WA-20274



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

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **Mon Butte Injection**  
Sample Point: **Triplex Suction**  
Sample Date: **1 /6 /2009**  
Sales Rep: **Randy Huber**  
Lab Tech: **Mike Chapman**

Sample ID: **WA-19260**

Sample Specifics	
Test Date:	1/7/2009
Temperature (°F):	80
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0000
pH:	7.1
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	1831
Molar Conductivity (µS/cm):	2774
Resitivity (Mohm):	3.6049

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	120.00	Chloride (Cl):	500.00
Magnesium (Mg):	-	Sulfate (SO <sub>4</sub> ):	12.00
Barium (Ba):	206.00	Dissolved CO <sub>2</sub> :	-
Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	634.00
Sodium (Na):	355.72	Carbonate (CO <sub>3</sub> ):	-
Potassium (K):	-	H <sub>2</sub> S:	-
Iron (Fe):	3.00	Phosphate (PO <sub>4</sub> ):	-
Manganese (Mn):	0.20	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>
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
80	0	1.61	0.31	0.00	-1252.30	0.00	-1459.70	-	-	258.58	24.59	1.48
80	0	1.61	0.31	0.00	-14.07	0.00	-1459.70	-	-	258.58	24.59	0.64
100	0	2.23	0.55	0.00	-11.68	0.00	-1354.10	-	-	174.02	24.35	0.80
120	0	2.88	0.75	0.00	-9.81	0.00	-1205.80	-	-	120.29	24.16	0.90
140	0	3.60	0.95	0.00	-8.32	0.00	-1036.00	-	-	85.13	23.99	1.02
160	0	4.34	1.14	0.00	-7.11	0.00	-862.65	-	-	61.59	23.85	1.16
180	0	5.09	1.32	0.00	-6.12	0.01	-698.06	-	-	45.41	23.72	1.28
200	0	5.79	1.49	0.01	-5.30	0.01	-550.22	-	-	34.05	23.60	1.31
220	2.51	6.40	1.65	0.01	-4.66	0.01	-425.85	-	-	25.63	23.47	1.33
240	10.3	6.95	1.79	0.01	-4.09	0.02	-319.21	-	-	19.73	23.26	1.37
260	20.76	7.40	1.91	0.01	-3.62	0.03	-232.59	-	-	15.35	22.98	1.40
280	34.54	7.74	1.99	0.01	-3.23	0.04	-163.93	-	-	12.05	22.61	1.44
300	52.34	7.95	2.02	0.01	-2.92	0.07	-110.69	-	-	9.54	22.10	1.48

**Conclusions:**

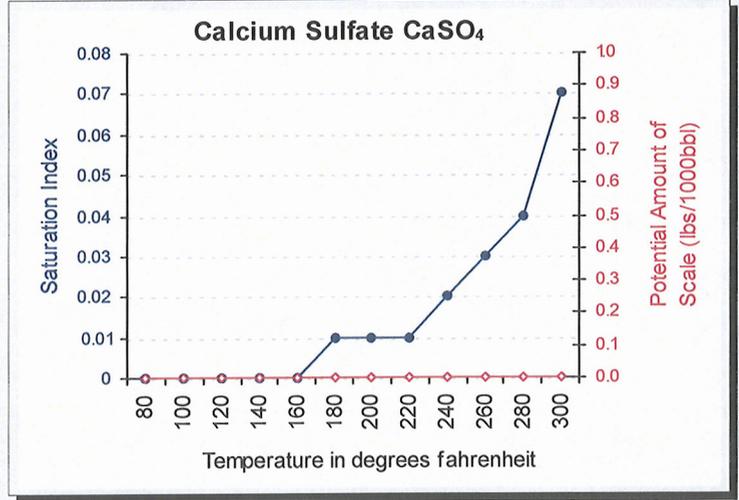
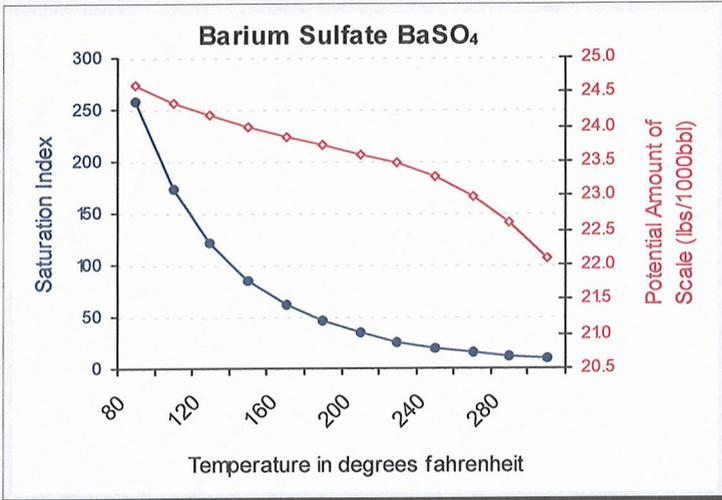
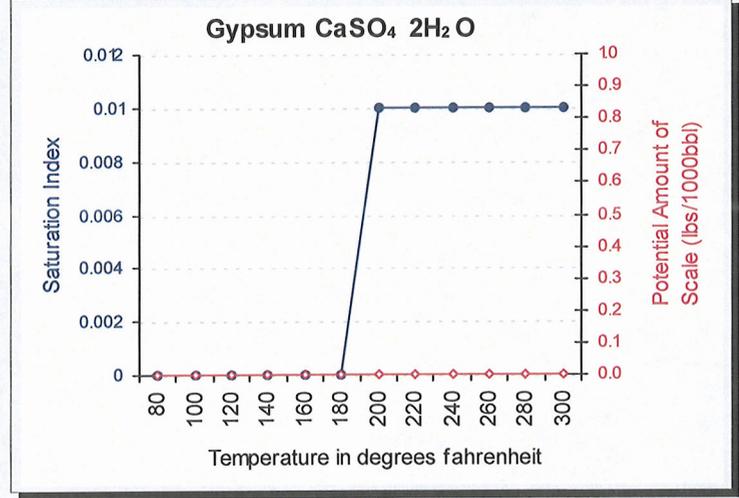
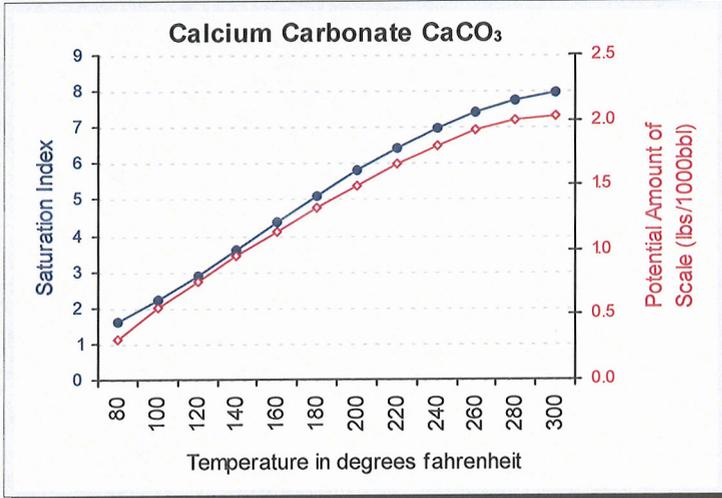
Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate scale is indicated at all temperatures from 80°F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

**Notes:**

Scale Prediction Graphs

Well Name: **Mon Butte Injection**

Sample ID: **WA-19260**



**Attachment "G"**

**Monument Butte Federal #4-1-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5104	5125	5115	2150	0.85	2117 ←
4818	4828	4823	2176	0.88	2145
4530	4576	4553	2520	0.99	2491
4263	4361	4312	2300	0.97	2272
				<b>Minimum</b>	<u><u>2117</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.

**Monument Butte Federal #4-1  
Daily Completion Report**

- 11/8/95 - Present Operation: Repair rig. (Day 1)  
Summary: 11/7/95 - MIRU SU. NU BOP. Remove thread protector for tbg. Tally & TIH w/tbg, 4-3/4" bit & 5-1/2" csg scrpr. RIH w/104 jts. Rig broke dn. SDFN.  
Cost: \$19,450 Total Well Cost: \$118,791\*
- 11/9/95 - Present Operation: TIH to perf. (Day 2)  
Summary: 11/8/95 - Finish PU, tally & TIH w/bit, scrpr & 2-7/8" tbg. Tag PBD @ 5837' KB. RU pmp & lines, tst csg to 3000 psi, OK. RU swb FL to 4500' (rec 107 BW). TOH w/tbg, bit & scrpr. SDFN  
Cost: \$1,220 Total Well Cost: \$120,011\*
- 11/10/95 - Present Operation: POOH w/tbg for frac. (Day 3)  
Summary: 11/9/95 - RU wireline. RIH w/4" csg gun. Perf C Sd @ 4973-85' w/4 shots/ft. RD wireline. TIH w/NC 176 jts 2-7/8" tbg. LD 22 jts. RU swb equip. IFL @ 4600', FFL @ 5100'. Made 5 runs, rec 6.5 BW, 100% wtr. SWIFN.  
Cost: \$2,270 Total Well Cost: \$122,281\*
- 11/11/95 Present Operation: TIH w/tbg. (Day 4)  
Summary: 11/10/95 - SITP 0 psi. Swb f/SN @ 5100'. No fluid. RD swb. TOH w/tbg. RU Howco tree saver & frac "C" sd w/ 16/30 sd, screen out w/1772 gal flush pmpd. Est 38,000# in fm. Total fluid 15,520 gals. Avg press 3000, 33.5 bpm. Max press 4000 (s.o). 5 min SI - 3200, 10 min 2870. RD Howco, flow back 2 hrs & died, rec 120 BLW, 249 BLWTBR. Remove tree saver & SIFN.  
Cost: \$19,945 Total Well Cost: \$142,226\*
- 11/12/95 Present Operation: Swb well dn. (Day 5)  
Summary: 11/11/95 - STP 400. Open well up. Flow back 5 bbls oil & 5 bbls frac fluid. TIH w/80 jts tbg, establish circ, no sd. TIH to 5419' no sd. Reverse circ btm's up. Rec 20 bbls oil. POOH w/tbg. RU Haliburton WL. RIH set 5-1/2 RBP @ 4900'. RU pmp tst plug to 3000#. RIH w/Bailer, dump 1 sk sd on plug. RD WL. RIH w/tbg to 4840'. RU swb eq. Swb well dn to 2100'. Rec 50 bbls wtr. Est 200 BLWTBR. SIFN.  
Cost: \$2,375 Total Well Cost: \$144,601\*
- 11/13/95 SD for Sunday.
- 11/14/95 Summary: 11/13/95 - TP 0 psi, CP 0 psi. RIH w/swb. IFL @ 2100'. Rec 52 BW. FFL @ 4300'. TOH w/tbg. RU HLS, perf "D" sd @ 4818-28', 4 spf. RU Haliburton, frac "D" sd w/54,900# 20/40 sd & 20,122 gal Boragel. Avg rate 28.6 bpm @ 2150 psi. Max press 3120 psi. ISIP 2176, 5 min 2127 psi, 10 min 2079 psi. Flow back on 12/64" ck @ 1 bpm for 5 hrs until dead. Rec 280 bbls 100% wtr, trace sd. Est 400 BLWTBR. SDFN  
Cost: \$20,700 Total Well Cost: \$165,301\*

Monument Butte Federal #4-1  
Daily Completion Report  
Page Two

- 11/15/95 Present Operation: Run rods. (Day 7)  
Summary 11/14/95 - CP 500 psi. Open & flow back 5 BLW. ND tree saver. TIH w/ret head, tag sd @ 4866'. Reverse circ sd to 4900' & ret BP & TOH. TIH w/NC, 9 jts 2-7/8 tbg, AC, 1 jt tbg, SN & 143 jts 2-7/8. EOT @ 5091'. Reverse circ 70 BW dn to kill. ND BOP. Set AC @ 4789' w/10,000# tension, SN @ 4757'. TIH w/sd line & tag sd @ 5513'. Swb 2 runs, 22 BLW, well kicked off flowing, made 28 BTF, 50% oil cut, well died. SIFN. Est 360 BLWTBR.  
Cost: \$1,645 Total Well Cost: \$166,946\*
- 11/16/95 Present Operation: Swbg. (Day 8)  
Summary: 11/15/95 - TP 500 psi, CP 400 psi. Open tbg flowed 11 bbls fluid w/80% oil cut. Made 28 swb runs, rec 280 BTF, est 190 BLW, 90 BO. Final rate 8 bbls/hr, 30% oil cut, trace sd. FFL 4000'. SDFN. Est 168 BLWTBR.\*  
Cost: \$1,560 Total Well Cost: \$168,506\*
- 11/17/95 Present Operation: Put on prod. (Day 9)  
Summary: 11/16/95 - SITP 500 psi, SICP 800 psi. Blow dn gas press. IFL @ surf. Swb 14 runs, rec 68 BTF. Final oil cut 50%, no sd. FFL 4100'. TIH w/ 1-1/2 THD Trico pmp, 4 wt rods 4 - 3/4" scraped rods, 82 - 3/4" slick rods, 98 - 3/4" scraped rods, 4', 4', 6' pony rods & 1-1/2" polish rod. Seat pmp. Fill tbg w/10 bbls KCl. Stroke to 500 psi, "held". Hang horsehead. RDMO. Est 128 BLWTBR.  
Cost: \$22,500 Total Well Cost: \$191,006

\*REVISED







Attachment G-1  
5 of 10

### DAILY WORKOVER REPORT

WELL NAME: SMBU 4-1-9-16

Report Date: June 21, 2002

Day: 03

Operation: Workover

Rig: Pennant #18

#### WELL STATUS

Surf Csg: 85/8" @ 304' Prod Csg: 5 1/2" @ 5866' WT: 15.5# Csg PBDT: 5828'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @:                      BP/Sand PBDT:                     

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB - 4	New 4263 - 4265'	4/	PB -11	New 4574 - 76'	4/8
GB-4	New 4278 - 4286'	4/	D sds	4818 - 4828'	4/40
GB-6	New 4352 - 4361'	4/	C sds	4973 - 4985'	4/48
PB-10	New 4564 - 68'	4/16	B- 2	New 5104 - 07'	4/12
PB-10	New 4530 - 38'	4/32	B- 2	New 5120 - 25'	4/20

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: June 20, 2002

FTP: 25 SICP: 100

Day ( A): Set " HD " PKR @ 5051'. Fill casing w/ 54 bbls water. RU B.J. and frac B2 zone's with 79 bbls Viking 1-25 pad, 211 bbls Viking 1-25 fluid with 26,500#s 20/40 white mesh sand. 2133 psi was the break down pressure. 3580 average psi @ 15.7 bpm average rate. 2150 psi ISDP With a .85 FG. Begin flow back immediately @ 1 BPM thru 12/64 choke. Well flowed 1 1/2 hrs & died. Rec 67 BTF (est 10% of frac load). PU on tbg & release pkr. Rev circ hole clean. TIH w/ pkr & tbg. Tag sd @ 5130'. C/O sd to RBP @ 5140'. TOH w/ 17 jts tbg & set plug @ 4600'. TOH w/144 jts tbg & "HD" pkr.

CF 1280  
AF ?

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 173 Starting oil rec to date: 0  
 Fluid lost/recovered today: 60 Oil lost/recovered today: 0  
 Ending fluid to be recovered: 233 Cum oil recovered: 0  
 IFL:            FFL:            FTP:            Choke: 12/64 Final Fluid Rate:            Final oil cut:           

#### STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: B2 sands

\*\* Pump down 2 7/8 L-80 tbg

1900 gals of pad

5040 gals of Viking 1-25 Fluid

Flush w/ 176 GAL

#### COSTS

Pennant #18 \$2,900

Graco BOP \$100

BJ Services--GB sds \$16,100

IPC frac wtr (trucked) \$1,000

IPC frac tks (2X4 days) \$300

IPC fuel gas \$100

IPC supervision \$200

Max TP: 4069 Max Rate: 15.8 Total fluid pmpd: 290 bbls

Avg TP: 3580 Avg Rate: 15.7 Total Prop pmpd: 26,500#

ISIP: 2150 5 min:            10 min:            FG: .85

Completion Supervisor: Ray Herrera

DAILY COST: \$20,700

TOTAL WELL COST: \$30,900



Attachment G-1  
6 of 10

**DAILY WORKOVER REPORT**

WELL NAME: SMBU 4-1-9-16

Report Date: June 21, 2002

Day: 03

Operation: Workover

Rig: Pennant #18

**WELL STATUS**

Surf Csg: 85/8" @ 304' Prod Csg: 5 1/2" @ 5866' WT: 15.5# Csg PBDT: 5828'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: BP/Sand PBDT:

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB - 4	New 4263 - 4265'	4/	PB -11	New 4574 -76'	4/8
GB-4	New 4278 - 4286'	4/	D sds	4818 - 4828'	4/40
GB-6	New 4352 - 4361'	4/	C sds	4973 - 4985'	4/48
PB-10	New 4564 - 68'	4/16	B- 2	New 5104 - 07'	4/12
PB-10	New 4530 - 38'	4/32	B- 2	New 5120 - 25'	4/20

**CHRONOLOGICAL OPERATIONS**

Date Work Performed: June 20, 2002

FTP: 25 SICP: 100

Day (b). RU BJ services & frac PB 10 & 11 sds w/ 31,743# sand in 363 bbls Viking 1-25 fluid. Perfs broke down @ 2350 psi. Treated @ ave pressure of 2350 psi w/ ave rate of 25.0 BPM. ISDP -2520 psi. RD BJ. Begin immediate flowback of PB 10 & 11 sds on 12/64 choke @ 1 BPM. zone flowed 3hrs & died. Rec 44 BTF ( est 10% of frac load). RU Schlumberger & set RTB plug @ 4600' & Perf new intervals w/4" guns as follows: GB-6 sds @ 4352 -4361' & GB-4 sds @ 4278 -4286', 4263 -4265'. RD Schlumberger. SWIFN.

*cf 4504*  
*AP*

**FLUID RECOVERY (BBLs)**

Starting fluid load to be recovered: 173 Starting oil rec to date: 0  
 Fluid lost/recovered today: 379 Oil lost/recovered today: 0  
 Ending fluid to be recovered: 552 Cum oil recovered: 0  
 IFL:          FFL:          FTP:          Choke: 12/64 Final Fluid Rate:          Final oil cut:         

**STIMULATION DETAIL**

**COSTS**

Base Fluid used: Viking I-25 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: PB 10 & 11 sds

BJ Services GB sds \$11,800

Schlumberger perf \$6,400

IPC supervision \$200

2,400 gals of pad

6,258 gals of Viking 1-25 Fluid

31743# 20/40 white sand

Flush w/ 4410 gal

Max TP: 2561 Max Rate: 25 Total fluid pmpd: 290 bbls

Avg TP: 2350 Avg Rate: 25 Total Prop pmpd: 31,743

ISIP: 2520 5 min:          10 min:          FG: 1.10

Completion Supervisor: Ray Herrera

DAILY COST: \$18,400

TOTAL WELL COST: \$30,900



Attachment G-1  
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### DAILY WORKOVER REPORT

WELL NAME: SMBU 4-1-9-16

Report Date: June 22, 2002

Day: 04

Operation: Workover

Rig: Pennant #18

#### WELL STATUS

Surf Csg: <u>85/8"</u>	@ <u>304'</u>	Prod Csg: <u>5 1/2"</u>	@ <u>5866'</u>	WT: <u>15.5#</u>	Csg PBDT: <u>5828'</u>
Tbg: <u>Size: 2 7/8"</u>	Wt: <u>6.5#</u>	Grd: <u>J-55</u>	Pkr/EOT @: <u>1305'</u>	BP/Sand PBDT: _____	

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB - 4</u>	<u>New 4263 - 4265'</u>	<u>4/8</u>	<u>PB -11</u>	<u>New 4574 -76'</u>	<u>4/8</u>
<u>GB-4</u>	<u>New 4278 - 4286'</u>	<u>4/32</u>	<u>D sds</u>	<u>4818 - 4828'</u>	<u>4/40</u>
<u>GB-6</u>	<u>New 4352 - 4361'</u>	<u>4/36</u>	<u>C sds</u>	<u>4973 - 4985'</u>	<u>4/48</u>
<u>PB-10</u>	<u>New 4564 - 68'</u>	<u>4/16</u>	<u>B- 2</u>	<u>New 5104 - 07'</u>	<u>4/12</u>
<u>PB-10</u>	<u>New 4530 - 38'</u>	<u>4/32</u>	<u>B- 2</u>	<u>New 5120 - 25'</u>	<u>4/20</u>

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: June 21, 2002 FTP: 25 SICP: 100

RU BJ. Services & frac GB 4 & 6 sds w/ 51,877# sand in 441 bbls Viking 1-25 fluid. Perfs broke down @ 2416 psi. Treated @ ave pressure of 2350 psi w/ ave rate of 25.7 BPM. ISDP 2300 psi. RD BJ. Begin immediate flowback of GB 4 & 6 sds on 12/64 choke @ 1 BPM. Zone flowed 3 hrs & died. Rec 163 BTF (est 37 % of frac load). PU & MU retrieving head. TIH with same. Tag sand @ 4346' C/O sand to RBP @ 4380'. Cric hole clean & release RBP. TOH. LD RBP. TIH w/ retrieving head & tag sand @ 4580' C/O sand to RBP @ 4600. Cric hole clean & release RBP. LD N-80 work string on TOH. LD RBP & reteriving head. TIH w/ NC & 40 jts 2 7/8 J-55 tbg. SWIFN. EOT @ 1305'. Est 781 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: <u>552</u>	Starting oil rec to date: <u>0</u>
Fluid lost/recovered today: <u>229</u>	Oil lost/recovered today: <u>0</u>
Ending fluid to be recovered: <u>781</u>	Cum oil recovered: <u>0</u>
IFL: _____ FFL: _____ FTP: _____	Choke: <u>12/64</u> Final Fluid Rate: _____ Final oil cut: _____

#### STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand frac  
 Company: BJ Services  
 Procedure or Equipment detail: GB 4 & 6 sds

#### COSTS

<u>BJ Services GB sds</u>	<u>\$3,400</u>
<u>BJ Services GB sds</u>	<u>\$13,208</u>
<u>IPC supervision</u>	<u>\$200</u>

3,600 gals of pad  
8,539 gals of Viking 1-25 Fluid  
51,877# 20/40 white sand  
Fcush w/ 4158 GAL

Max TP: <u>2416</u>	Max Rate: <u>25.9</u>	Total fluid pmpd: <u>290 bbls</u>
Avg TP: <u>2235</u>	Avg Rate: <u>25.7</u>	Total Prop pmpd: <u>51,877</u>
ISIP: <u>2300</u>	5 min: _____	10 min: _____
Completion Supervisor: <u>Ray Herrera</u>		FG: <u>.97</u>

DAILY COST: \$16,808  
 TOTAL WELL COST: \$47,708







Attachment G-1  
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**DAILY WORKOVER REPORT**

WELL NAME: SMBU 4-1-9-16

Report Date: June 25, 2002

Day: 07

Operation: Workover

Rig: Pennant #18

**WELL STATUS**

Surf Csg: 85/8" @ 304' Prod Csg: 51/2" @ 5866' WT: 15.5# Csg PBD: 5828'  
 Tbg: Size: 27/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5224' BP/Sand PBD: 5595'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB - 4	New 4263 - 4265'	4/8	PB -11	New 4574 -76'	4/8
GB-4	New 4278 - 4286'	4/32	D sds	4818 - 4828'	4/40
GB-6	New 4352 - 4361'	4/36	C sds	4973 - 4985'	4/48
PB-10	New 4564 - 68'	4/16	B- 2	New 5104 - 07'	4/12
PB-10	New 4530 - 38'	4/32	B- 2	New 5120 - 25'	4/20

**CHRONOLOGICAL OPERATIONS**

Date Work Performed: June 25, 2002 FTP: \_\_\_\_\_ SICP: \_\_\_\_\_

PU & prime Axelson pump. TIH with revised rod string as listed below. Seat pump. Space out rod's. Rig up pumping unit. Fill tbg & rods with 7 bbls. Test to 500 psi. Stroke to 1,000 psi. RDMOSU. Place well on production @11:30 am @ 74" SL & 3 SPM.

**FLUID RECOVERY (BLS)**

Starting fluid load to be recovered: 641 Starting oil rec to date: 9  
 Fluid lost/recovered today: 7 Oil lost/recovered today: 80  
 Ending fluid to be recovered: 648 Cum oil recovered: 89  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

**TUBING DETAIL**

**ROD DETAIL**

**COSTS**

TUBING DETAIL	ROD DETAIL	COSTS
13' /KB	1 1/2" x 22' Polish rod	Pennant rig \$950
154 Jt's 27/8"J-55 tbg( 5072.77')	1-4' Pony Rod's = 4'	IPC supervision \$100
TA 2.80' @ 5085.77'/KB	98 3/4" Scrapered Rods	100 \$700
3 Jt's 27/8"J-55 tbg( 100.32')	93 3/4" Plain Rods	Cent. Hyd pump & TA \$1,250
SN 1.10' @ 5188.89'/KB	10 3/4" Scrapered Rods	TMT water disposal \$400
1 Jt's 27/8"J-55 tbg( 33.627')	6 1 1/2" WT. Bars	
NC.45 EOT @ 5224.06'/KB	2 1/2" x 1 1/2" x 16' RHAC	
	Axelson	

DAILY COST: \$3,400

TOTAL WELL COST: \$58,358

Workover Supervisor: Pat Wisener

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4213'.
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement.
3. Plug #2 Set 162' plug using 19 sx Class "G" cement placed 50' above Trona/Bird's Nest extending 50' below base of Mahogany Oil Shale.
4. Plug #3 Set 120' plug using 14 sx Class "G" cement placed 60' above Uinta/Green River formation and extending 60' below.
5. Plug #4 Pump 41 sx Class "G" cement down 5-1/2" casing to 354'.

The approximate cost to plug and abandon this well is \$59,344.

# Monument Butte Federal #4-1-9-16

Spud Date: 9/8/1995  
 Put on Production: 11/17/1995  
 GL: 5407' KB: 5420'

Initial Production: 41 BOPD,  
 44 MCFD, 7 BWPD

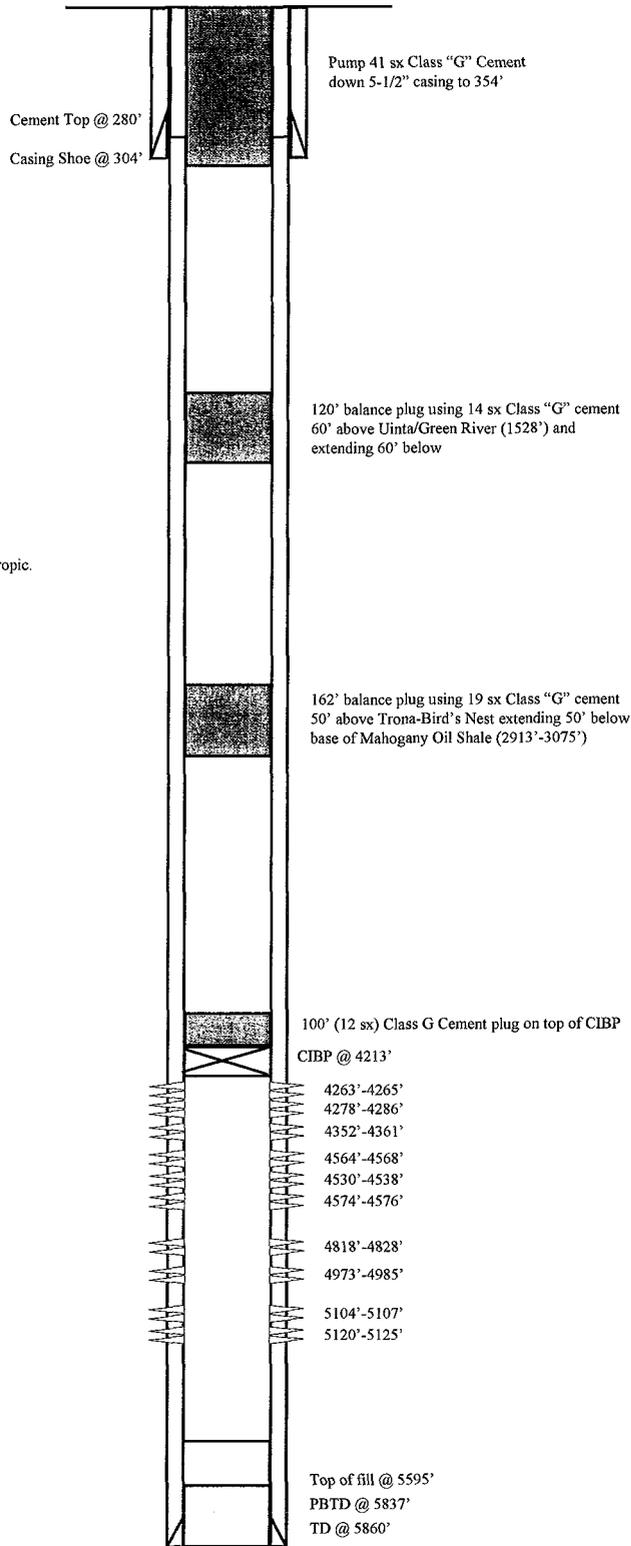
Proposed P & A  
 Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (305.57')  
 DEPTH LANDED: 303.87'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Premium Cement + additives.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (5882.85')  
 DEPTH LANDED: 5865.57'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs HiFill Standard & 300 sxs Thixotropic.  
 CEMENT TOP AT: 280' per CBL



**Monument Butte Fed. #4-1-9-16**  
 799' FNL & 608' FWL  
 NW/NW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31545; Lease #UTU-72103

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or 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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-72103
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include area code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or S MON BUTTE UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 799 FNL 608 FWL NWNW Section 1 T9S R16E		8. Well Name and No. MONUMENT BUTTE FED 4-1
		9. API Well No. 4301331545
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<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
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other _____

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 recomplate 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 a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Eric Sundberg	Title Regulatory Analyst
Signature 	Date 04/21/2009

**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

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

---ooOoo---

IN THE MATTER OF THE APPLICATION OF  
NEWFIELD PRODUCTION COMPANY FOR  
ADMINISTRATIVE APPROVAL OF CERTAIN  
WELLS LOCATED IN SECTION 32 & 33,  
TOWNSHIP 8 SOUTH, RANGE 16 EAST;  
SECTIONS 4, 6, 7, 10, TOWNSHIP 9 SOUTH,  
RANGE 16 EAST; DUCHESNE COUNTY,  
UTAH, AS CLASS II INJECTION WELLS.

NOTICE OF AGENCY ACTION

CAUSE NO. UIC-352

---ooOoo---

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:

Wells Draw Unit:

State 24-32-8-16 well located in SE/4 SW/4, Section 32, Township 8 South, Range 16 East

Federal 13-33B-8-16 well located in NW/4 SW/4, Section 33, Township 8 South, Range 16 East

South Monument Butte Unit:

Monument Butte Federal 4-1-9-16 well located in NW/4 NW/4, Section 1, Township 9 South, Range 16 East

Monument Butte Federal 6-1-9-16 well located in SE/4 NW/4, Section 1, Township 9 South, Range 16 East

South Wells Draw Unit:

South Wells Draw 14A-4-9-16 well located in SE/4 SW/4, Section 4, Township 9 South, Range 16 East

South Wells Draw 6-10-9-16 well located in SE/4 NW/4, Section 10, Township 9 South, Range 16 East

South Wells Draw 12-10-9-16 well located in NW/4 SW/4, Section 10, Township 9 South, Range 16 East

Monument Federal 33-10-9-16 well located in NW/4 SE/4, Section 10, Township 9 South, Range 16 East

West Point Unit:

Monument Federal 31-6-9-16Y well located in NW/4 NE/4, Section 6, Township 9 South, Range 16 East

Monument Federal 42-6-9-16Y well located in SE/4 NE/4, Section 6, Township 9 South, Range 16 East

Nine Mile 10-7-9-16 well located in NW/4 SE/4, Section 6, Township 9 South, Range 16 East

West Point Fed 14-7-9-16 well located in SE/4 SW/4, Section 7, Township 9 South, Range 16 East

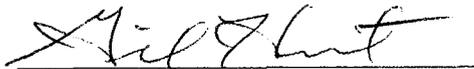
Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective 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 Gil Hunt, Associate Director, 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 21st day of May, 2009.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read "Gil Hunt", written over a horizontal line.

Gil Hunt  
Associate Director

**Newfield Production Company**

**STATE 24-32-8-16, FEDERAL 13-33B-8-16, MONUMENT BUTTE FEDERAL 4-1-9-16,  
MONUMENT BUTTE FEDERAL 6-1-9-16, SOUTH WELLS DRAW 14A-4-9-16, SOUTH WELLS  
DRAW 6-10-9-16, SOUTH WELLS DRAW 12-10-9-16, MONUMENT FEDERAL 33-10-9-16  
MONUMENT FEDERAL 31-6-9-16Y, MONUMENT FEDERAL 42-6-9-16Y, NINE MILE 10-7-9-16,  
WEST POINT FED 14-7-9-16.**

**Cause No. UIC-352**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Duchesne County Planning  
PO Box 910  
Duchesne, UT 84021

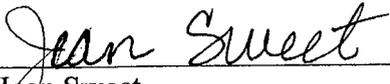
Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via Email [ubs@ubstandard.com](mailto:ubs@ubstandard.com)  
and Facsimile (435) 722-4140

Bruce Suchomel  
US EPA Region VIII  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Salt Lake Tribune  
PO Box 45838  
Salt Lake City, UT 84145  
via Email [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)  
and Facsimile (801) 237-2776

Newfield Production Company  
Rt 3 Box 3630  
Myton UT 84052

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

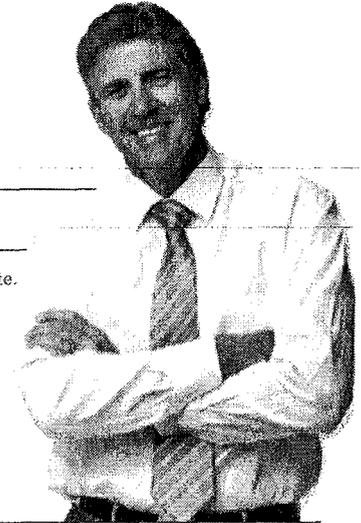
  
\_\_\_\_\_  
Jean Sweet  
Executive Secretary  
May 21, 2009

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## NOTICE OF AGENCY ACTION CAUSE NO. UIC-352

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 32 & 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 4, 6, 7, 10, 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: Wells Draw Unit: State 24-32-8-16 well located in SE/4 SW/4, Section 32, Township 8 South, Range 16 East Federal 13-33B-8-16 well located in NW/4 SW/4, Section 33, Township 8 South, Range 16 East South Monument Butte Unit: Monument Butte Federal 4-1-9-16 well located in NW/4 NW/4, Section 1, Township 9 South, Range 16 East Monument Butte Federal 6-1-9-16 well located in SE/4 NW/4, Section 1, Township 9 South, Range 16 East South Wells Draw Unit: South Wells Draw 14A-4-9-16 well located in SE/4 SW/4, Section 4, Township 9 South, Range 16 East South Wells Draw 6-10-9-16 well located in SE/4 NW/4, Section 10, Township 9 South, Range 16 East South Wells Draw 12-10-9-16 well located in NW/4 SW/4, Section 10, Township 9 South, Range 16 East Monument Federal 33-10-9-16 well located in NW/4 SE/4, Section 10, Township 9 South, Range 16 East West Point Unit: Monument Federal 31-6-9-16Y well located in NW/4 NE/4, Section 6, Township 9 South, Range 16 East Monument Federal 42-6-9-16Y well located in SE/4 NE/4, Section 6, Township 9 South, Range 16 East Nine Mile 10-7-9-16 well located in NW/4 SE/4, Section 6, Township 9 South, Range 16 East West Point Fed 14-7-9-16 well located in SE/4 SW/4, Section 7, Township 9 South, Range 16 East Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures. Selective 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 Gil Hunt, Associate Director, 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 21st day of May, 2009. STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/ Gil Hunt Associate Director Published in the Uintah Basin Standard May 26, 2009.

[Newspaper Administration](#)

**Jean Sweet - Notice of Agency Action - Newfield Cause No. UIC 352**

---

**From:** Jean Sweet  
**To:** ubs@ubstandard.com  
**Date:** 5/21/2009 3:14 PM  
**Subject:** Notice of Agency Action - Newfield Cause No. UIC 352  
**Attachments:** 20090519 Newfield Notice of Agency Action UIC 352 UB Standard.doc

---

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Gentlemen:

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

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

TRANSACTION REPORT

P. 01

MAY-21-2009 THU 03:31 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
MAY-21	03:30 PM	14357224140	1' 15"	4	SEND	OK	490	
TOTAL :						1M 15S	PAGES:	4



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Governor

GARY R. HERBERT  
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

### UTAH DIVISION OF OIL, GAS AND MINING FACSIMILE COVER SHEET

DATE: 5/21/09

FAX#: 435-722-4140

ATTN: Legal Notices

COMPANY: Utah Basin Standard

NUMBER OF PAGES (INCLUDING THIS ONE): 4

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*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*

May 21, 2009

VIA E-MAIL [ubs@ubstandard.com](mailto:ubs@ubstandard.com)  
and FAX (435) 722-4140

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

RE: Notice of Agency Action – Newfield Production Company Cause No. UIC 352

Gentlemen:

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



**Jean Sweet - RE: Notice of Agency Action - Newfield UIC 352**

---

**From:** "Linda Roberson" <lroberson@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 5/22/2009 2:23 PM  
**Subject:** RE: Notice of Agency Action - Newfield UIC 352

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Ad 458653 / 5/26 / \$273.80

L. "Anna" Roberson (assisting L. Valdez)

naclegal@mediaoneutah.com

---

**From:** Jean Sweet [mailto:jsweet@utah.gov]  
**Sent:** Thursday, May 21, 2009 3:15 PM  
**To:** naclegal@mediaoneutah.com  
**Subject:** Notice of Agency Action - Newfield UIC 352

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 #D5385340L** 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  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

**Jean Sweet - Notice of Agency Action - Newfield UIC 352**

---

**From:** Jean Sweet  
**To:** naclegal@mediaoneutah.com  
**Date:** 5/21/2009 3:15 PM  
**Subject:** Notice of Agency Action - Newfield UIC 352  
**Attachments:** 20090519 Newfield Notice of Agency Action UIC 352 SL Trib.doc

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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  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

TRANSACTION REPORT

P. 01

MAY-21-2009 THU 03:30 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
MAY-21	03:27 PM	8012372776	2' 45"	4	SEND	OK	489	
TOTAL :						2M 45S	PAGES:	4



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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

### UTAH DIVISION OF OIL, GAS AND MINING FACSIMILE COVER SHEET

DATE: 5/21/09

FAX#: 801-237-2776

ATTN: Legal Notices

COMPANY: Salt Lake Tribune

NUMBER OF PAGES (INCLUDING THIS ONE): 4

FROM: Jean Sweet

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JON M. HUNTSMAN, JR.  
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*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*

May 21, 2009

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)  
and Fax (801) 237-2776

Salt Lake Tribune  
PO Box 45838  
Salt Lake City, UT 84145

RE: Notice of Agency Action – Newfield Production Company Cause No. UIC 352

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 #D5385340L to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/27/2009

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000458653 /
SCHEDULE	
Start 05/26/2009	End 05/26/2009
CUST. REF. NO.	
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MISC. CHARGES	AD CHARGES
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MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY  
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE  
ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY  
IN THE STATE OF UTAH.

PUBLISHED ON Start 05/26/2009 End 05/26/2009

SIGNATURE [Handwritten Signature]

5/27/2009

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 32 & 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 4, 6, 7, 10, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-352

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:

Wells Draw Unit:  
State 24-32-8-16 well located in SE/4 SW/4, Section 32 Township 8 South, Range 16 East  
Federal 13-33B-8-16 well located in NW/4 SW/4, Section 33, Township 8 South, Range 16 East  
South Monument Butte Unit:  
Monument Butte Federal 4-1-9-16 well located in NW/4 NW/4, Section 1, Township 9 South, Range 16 East  
Monument Butte Federal 6-1-9-16 well located in SE/4 NW/4, Section 1, Township 9 South, Range 16 East  
South Wells Draw Unit:  
South Wells Draw 14A-4-9-16 well located in SE/4 SW/4 Section 4, Township 9 South, Range 16 East  
South Wells Draw 6-10-9-16 well located in SE/4 NW/4 Section 10, Township 9 South, Range 16 East  
South Wells Draw 12-10-9-16 well located in NW/4 SW/4 Section 10, Township 9 South, Range 16 East  
Monument Federal 33-10-9-16 well located in NW/4 SE/4 Section 10, Township 9 South, Range 16 East  
West Point Unit:  
Monument Federal 31-6-9-16Y well located in NW/4 NE/4 Section 6, Township 9 South, Range 16 East  
Monument Federal 42-6-9-16Y well located in SE/4 NE/4 Section 6, Township 9 South, Range 16 East  
Nine Mile 10-7-9-16 well located in NW/4 SE/4, Section 6 Township 9 South, Range 16 East  
West Point Fed 14-7-9-16 well located in SE/4 SW/4, Section 7, Township 9 South, Range 16 East

Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure 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 Gil Hunt, Associate Director, 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 21st day of May, 2009.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Gil Hunt  
Associate Director  
458653

UPAXLF

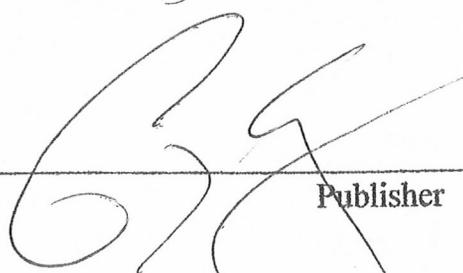
Notary Public  
ELIZABETH G. CARDOVA  
6482 West 4000 South  
West Valley City, Utah 84128  
My Commission Expires  
January 18, 2010  
State of Utah

[Handwritten Signature]

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER 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 26 day of May, 2009, and that the last publication of such notice was in the issue of such newspaper dated the 26 day of May, 2009.

  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this  
28 day of May, 2009  
  
\_\_\_\_\_  
Notary Public



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## NOTICE OF AGENCY ACTION CAUSE NO. UIC-352

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH  
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 32 & 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 4, 6, 7, 10, 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.

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Dated this 21st day of May, 2009.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING  
/s/ Gil Hunt

Associate Director  
Published in the Uintah Basin Standard May 26, 2009.

KENT BASCOM  
Kent Bascom was  
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(11-5) over Rowland C  
place in Salt Lake C

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## NOTICE OF AGENCY ACTION CAUSE NO. UIC-352,10

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH IN THE MATTER OF THE APPLICATION OF **NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 32 & 33**, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 4, 6, 7, 10, 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: Wells Draw Unit: State 24-32-8-16 well located in SE/4 SW/4, Section 32, Township 8 South, Range 16 East Federal 13-33B-8-16 well located in NW/4 SW/4, Section 33, Township 8 South, Range 16 East **South Monument Butte Unit: Monument Butte Federal 4-1-9-16 well located in NW/4 NW/4, Section 1, Township 9 South, Range 16 East** Monument Butte Federal 6-1-9-16 well located in SE/4 NW/4, Section 1, Township 9 South, Range 16 East South Wells Draw Unit: South Wells Draw 14A-4-9-16 well located in SE/4 SW/4, Section 4, Township 9 South, Range 16 East South Wells Draw 6-10-9-16 well located in SE/4 NW/4, Section 10, Township 9 South, Range 16 East South Wells Draw 12-10-9-16 well located in NW/4 SW/4, Section 10, Township 9 South, Range 16 East Monument Federal 33-10-9-16 well located in NW/4 SE/4, Section 10, Township 9 South, Range 16 East West Point Unit: Monument Federal 31-6-9-16Y well located in NW/4 NE/4, Section 6, Township 9 South, Range 16 East Monument Federal 42-6-9-16Y well located in SE/4 NE/4, Section 6, Township 9 South, Range 16 East Nine Mile 10-7-9-16 well located in NW/4 SE/4, Section 6, Township 9 South, Range 16 East West Point Fed 14-7-9-16 well located in SE/4 SW/4, Section 7, Township 9 South, Range 16 East Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures. Selective 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 Gil Hunt, Associate Director, 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 21st day of May, 2009. STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/ Gil Hunt Associate Director Published in the **Utah Basin Standard** May 26, 2009.

[Newspaper Administration](#)





JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
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

June 10, 2009

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, Colorado 80202

Subject: S. Monument Butte Unit Well: Monument Butte Federal 4-1-9-16, Section 1, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah

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,

Gil Hunt  
Associate Director

GLH/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
SITLA, Salt Lake City  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Butte Federal 4-1-9-16

**Location:** 1/9S/16E      **API:** 43-013-31545

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the South Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review. 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 South Monument Butte. 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 304 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,866 feet. A cement bond log demonstrates adequate bond in this well up to 3,632 feet. A 2 7/8 inch tubing with a packer will be set at 4,228. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells and 4 injection wells in the area of review. Most of the wells have evidence of adequate casing and cement. However, inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 300 feet. Injection shall be limited to the interval between 4,095 feet and 5,614 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-1-9-16 well is 0.85 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,117 psig. The requested maximum pressure is 2,117 psig. We intend to permit this well at a maximum pressure of 2,000 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 groundwater present should be adequately protected.

**Monument Butte Federal 4-1-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the South Monument Butte Unit on June 8, 2001. 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.

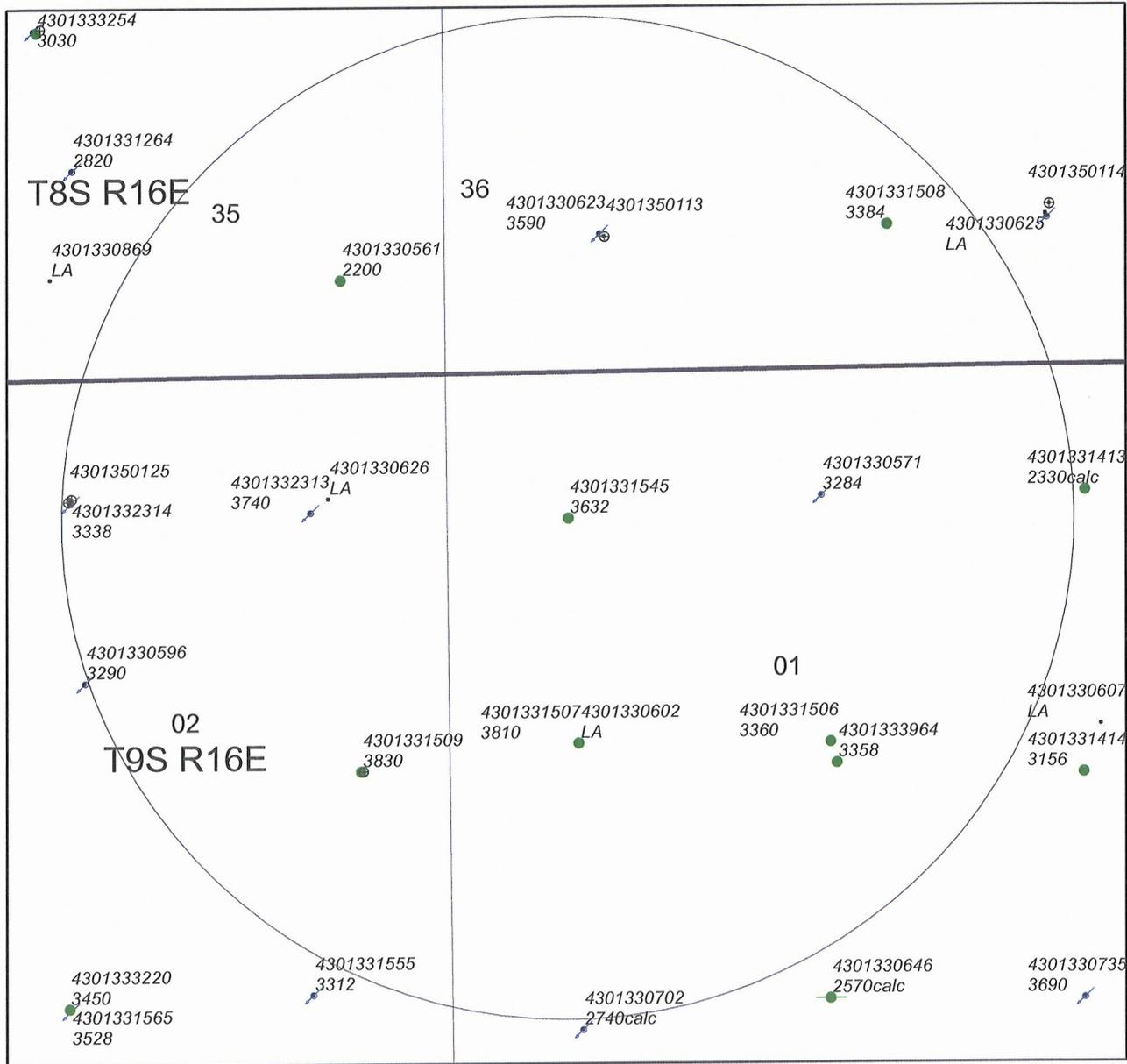
**Bonding:** Bonded with the BLM

**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 6/4/09



# MONUMENT BUTTE FEDERAL 4-1-9-16

## API #43-013-31545

### UIC-352.10

**Legend**

**OGM Database View Events**

✕ <all other values>

**Status**

- ◆ APD - Approved Permit
- ⊙ DRL - Spudded (Drilling Commenced)
- ⚡ GIW - Gas Injection
- ⚡ GS - Gas Storage
- ✕ LA - Location Abandoned
- ⊕ LOC - New Location
- ⚠ OPS - Operation Suspended
- ⊠ PA - Plugged Abandoned

- ⚡ PGW - Producing Gas Well
- POW - Producing Oil Well
- ⊙ RET - Returned APD
- ⚡ SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- ⚡ TA - Temp. Abandoned
- TW - Test Well
- ⚡ WDW - Water Disposal
- ⚡ WIW - Water Injection Well
- WSW - Water Supply Well

1870calc = approx cement top calculated from well completion report



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

FORM 9

**5. LEASE DESIGNATION AND SERIAL NUMBER:**  
UTU-72103

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7. UNIT or CA AGREEMENT NAME:**  
GMBU (GRRV)

**1. TYPE OF WELL**  
Oil Well

**8. WELL NAME and NUMBER:**  
MONUMENT BUTTE FED 4-1

**2. NAME OF OPERATOR:**  
NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:**  
43013315450000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630, Myton, UT, 84052  
**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:**  
MONUMENT BUTTE

**4. LOCATION OF WELL**  
**FOOTAGES AT SURFACE:**  
0799 FNL 0608 FWL  
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**  
Qtr/Qtr: NWNW Section: 01 Township: 09.0S Range: 16.0E Meridian: S

**COUNTY:**  
DUCHESNE

**STATE:**  
UTAH

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

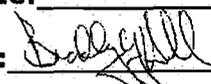
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/20/2011	<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 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 10/12/2011. One interval was perforated, CP.5 sands - 5644-5650' 3 JSPF. On 10/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/20/2011 the casing was pressured up to 1255 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not an State representative available to witness the test.

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

Date: 11/23/2011

By: 

**NAME (PLEASE PRINT)**  
Lucy Chavez-Naupoto

**PHONE NUMBER**  
435 646-4874

**TITLE**  
Water Services Technician

**SIGNATURE**  
N/A

**DATE**  
10/24/2011

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: \_\_\_\_\_ Date 10/20/2011 Time 11:00 am pm

Test Conducted by: Lynn Monson

Others Present: \_\_\_\_\_

Well: <u>Monument Butte Federal 4-1-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NW/NW Sec 1, T9S, R16E</u>	API No: <u>43-013-31545</u>

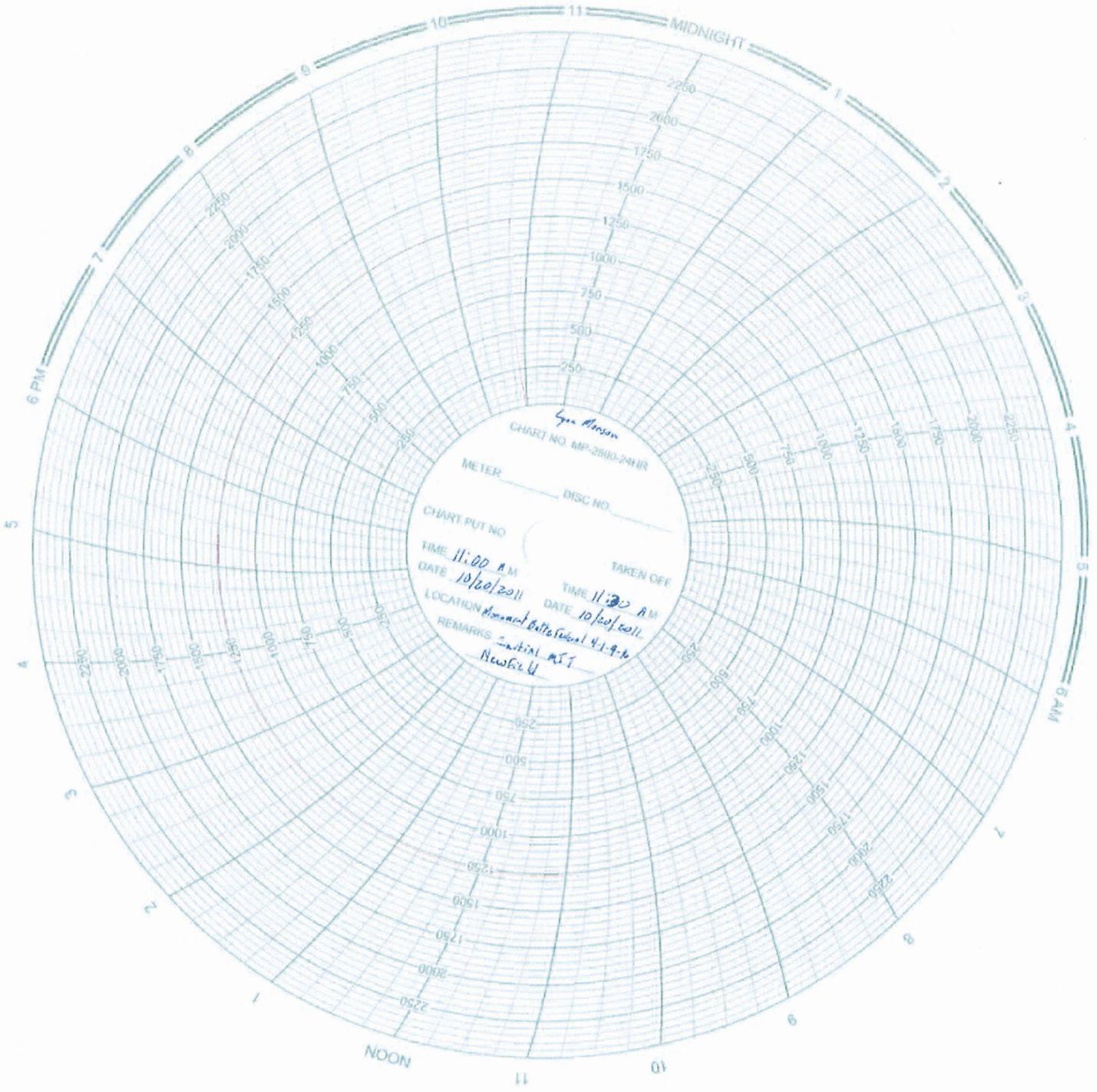
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1255</u>	psig
5	<u>1255</u>	psig
10	<u>1255</u>	psig
15	<u>1255</u>	psig
20	<u>1255</u>	psig
25	<u>1255</u>	psig
30 min	<u>1255</u>	psig
35	<u>—</u>	psig
40	<u>—</u>	psig
45	<u>—</u>	psig
50	<u>—</u>	psig
55	<u>—</u>	psig
60 min	<u>—</u>	psig

Tubing pressure: 100 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: [Signature]



*Lyn Hanson*

CHART NO. MP-2600-24HR

METER

DISC NO.

CHART PUT NO.

TIME 11:00 A.M.

DATE 10/20/2011

TAKEN OFF

TIME 11:30 A.M.

DATE 10/20/2011

LOCATION Edward Cella Federal 4-1-9-6

REMARKS Central MS Newfield

**Daily Activity Report****Format For Sundry****MON BT 4-1-9-16****8/1/2011 To 12/30/2011****10/7/2011 Day: 2****Conversion**

NC #3 on 10/7/2011 - RUSU, LD rods, TOH w/ tbg breaking collars - Road rig to location. Spot rig into well. Could not rig up rig due to wind. SDFD. - Road rig to location. Spot rig into well. Could not rig up rig due to wind. SDFD. - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD - Road rig to location. Spot rig into well. Could not rig up rig due to wind. SDFD. - Road rig to location. Spot rig into well. Could not rig up rig due to wind. SDFD. - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD - RUSU. Pump 60 bbls water dwn csg @ 250. Unseat rod pump. Flush tbg & rods w/ 60 bbls water @ 250. Softseat rods. Pressure test tbg to 3000 psi w/ 5 bbls water. Good test. LD 97- 3/4" guided, 92- 3/4" slick, 10- 3/4" guided rods, 6- 1 1/2" wt bars, rod pump. Pump looked good. X-over to tbg equip. NDwellhead. Release TA. NU BOPs. RU work floor. PU TIH w/ 12- jts 2 7/8" tbg to tag fill. Tag fill @ 5599'. TOH w/ tbg breaking & doping collars. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 142- jts 2 7/8" tbg. SDFD **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$13,115**10/8/2011 Day: 3****Conversion**

NC #3 on 10/8/2011 - Bail TOH w/ tbg - PU 3- jts 2 7/8" tbg. clean out to 5695'. TOH w/ 145- jts 2 7/8" tbg (breaking collars), drain sub, 1- jt 2 7/8" tbg, check valve, bailer, 20- jts 2 7/8" tbg, check valve, 2' tbg sub, check valve, chisel bit. 7-jts of sand in bailer cavity. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 145- jts 2 7/8" tbg. Attempt to bail more w/ no luck. TOH w/ 145- jts 2 7/8" tbg (breaking collars), drain sub, 1- jt 2 7/8" tbg, check valve, bailer, 20- jts 2 7/8" tbg, check valve, 2' tbg sub, check valve, chisel bit (4 jts of sand). SDFD. - PU 3- jts 2 7/8" tbg. clean out to 5695'. TOH w/ 145- jts 2 7/8" tbg (breaking collars), drain sub, 1- jt 2 7/8" tbg, check valve, bailer, 20- jts 2 7/8" tbg, check valve, 2' tbg sub, check valve, chisel bit. 7-jts of sand in bailer cavity. PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 145- jts 2 7/8" tbg. Attempt to bail more w/ no luck.

TOH w/ 145- jts 2 7/8" tbg (breaking collars), drain sub, 1- jt 2 7/8" tbg, check valve, bailer, 20- jts 2 7/8" tbg, check valve, 2' tbg sub, check valve, chisel bit (4 jts of sand). SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$19,674

**10/10/2011 Day: 4**

**Conversion**

NC #3 on 10/10/2011 - Bail out sand & perforate. - PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 145- jts 2 7/8" tbg. Bail out fill to 5755'. TOH w/ tbg & bailer assembly. Clean rig eq. RU Perforators to perf CP 5644'-50. RD Perforators. SDFD. - PU TIH w/ chisel bit, check valve, 2' tbg sub, check valve, 20- jts 2 7/8" tbg, bailer, check valve, 1- jt tbg, drain sub, 145- jts 2 7/8" tbg. Bail out fill to 5755'. TOH w/ tbg & bailer assembly. Clean rig eq. RU Perforators to perf CP 5644'-50. RD Perforators. SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$36,968

**10/11/2011 Day: 5**

**Conversion**

NC #3 on 10/11/2011 - TIH w/ Pkr, & N-80 tbg, & frac. - PU TIH w/ 5 1/2 Pkr, & 178- jts 2 7/8 N-80 tbg. Set Pkr @ 5581'. RU BJ to frac CP .5 (5644-50'). RD BJ. Open well up to flow back @ 5:30. Well died @ 7:00 & flowed 140 bbls fluid. Release Pkr & CWC. SDFD. - PU TIH w/ 5 1/2 Pkr, & 178- jts 2 7/8 N-80 tbg. Set Pkr @ 5581'. RU BJ to frac CP .5 (5644-50'). RD BJ. Open well up to flow back @ 5:30. Well died @ 7:00 & flowed 140 bbls fluid. Release Pkr & CWC. SDFD. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$67,164

**10/12/2011 Day: 6**

**Conversion**

NC #3 on 10/12/2011 - LD N-80 tbg, TIH w/ injection tbg, pressure test. - OWU. 0 psi on tbg & csg. Flush tbg w/ 30 bbls water @ 250. PU TIH w/ 4- jts 2 7/8. Tag fill @ 5698'. TOH & LD N-80 tbg, & Pkr. Used 15 bbls water to keep tbg clean. PU TIH w/ Arrowset Pkr, SN, 127- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi for one hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - OWU. 0 psi on tbg & csg. Flush tbg w/ 30 bbls water @ 250. PU TIH w/ 4- jts 2 7/8. Tag fill @ 5698'. TOH & LD N-80 tbg, & Pkr. Used 15 bbls water to keep tbg clean. PU TIH w/ Arrowset Pkr, SN, 127- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi for one hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 60 bbls fresh water w/ pkr fluid. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!!

**Daily Cost:** \$0

**Cumulative Cost:** \$134,190

**10/20/2011 Day: 7**

**Conversion MIT**

Rigless on 10/20/2011 - Conduct initial MIT - On 10/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/20/2011 the casing was pressured up to 1255 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test.

There was not a State representative available to witness the test - On 10/14/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/20/2011 the casing was pressured up to 1255 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$135,090

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**Pertinent Files: Go to File List**

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

FORM 9

**5. LEASE DESIGNATION AND SERIAL NUMBER:**  
UTU-72103

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7. UNIT or CA AGREEMENT NAME:**  
GMBU (GRRV)

**1. TYPE OF WELL**  
Oil Well

**8. WELL NAME and NUMBER:**  
MONUMENT BUTTE FED 4-1

**2. NAME OF OPERATOR:**  
NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:**  
43013315450000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630, Myton, UT, 84052  
**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:**  
MONUMENT BUTTE

**4. LOCATION OF WELL**  
**FOOTAGES AT SURFACE:**  
0799 FNL 0608 FWL  
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**  
Qtr/Qtr: NWNW Section: 01 Township: 09.0S Range: 16.0E Meridian: S

**COUNTY:**  
DUCHESNE

**STATE:**  
UTAH

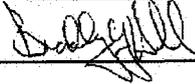
**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/9/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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="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 9:00 AM on 12/09/2011.

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

Date: 12/19/2011

By: 

**NAME (PLEASE PRINT)**  
Lucy Chavez-Naupoto

**PHONE NUMBER**  
435 646-4874

**TITLE**  
Water Services Technician

**SIGNATURE**  
N/A

**DATE**  
12/9/2011



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

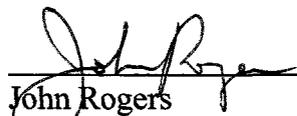
Cause No. UIC-352

**Operator:** Newfield Production Company  
**Well:** Monument Butte Federal 4-1  
**Location:** Section 1, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31545  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 10, 2009.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,095' – 5,614')
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

\_\_\_\_\_  
Date

11/29/2011

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
SITLA  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield  
1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801  
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • [www.ogm.utah.gov](http://www.ogm.utah.gov)



<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-72103
<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> MONUMENT BUTTE FED 4-1
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013315450000
<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> 0799 FNL 0608 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 01 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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>7/23/2013</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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="Squeeze Job"/>

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

Newfield proposes to perform a Polymer Squeeze. Squeeze CP 5 Sands from 5644' - 5650' to isolate for injection.

**Accepted by the Utah Division of Oil, Gas and Mining**  
**Date:** August 09, 2013  
**By:** Derek Quist

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/23/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/10/2013  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input 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="W/O MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The above subject well had workover procedures performed (water isolation), attached is a daily status report. On 09/09/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/10/2013 the csg was pressured up to 1460 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1155 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 16, 2013</b></p>
<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> 9/13/2013

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: Chris Jensen Date 9/10/13 Time 2:00 am  pm  
Test Conducted by: Don Trane  
Others Present: \_\_\_\_\_

Well: <u>Monument Butte Federal</u>	Field: <u>Monument Butte</u>
Well Location: <u>4-1-9-16</u>	API No: <u>43-013-31545</u>

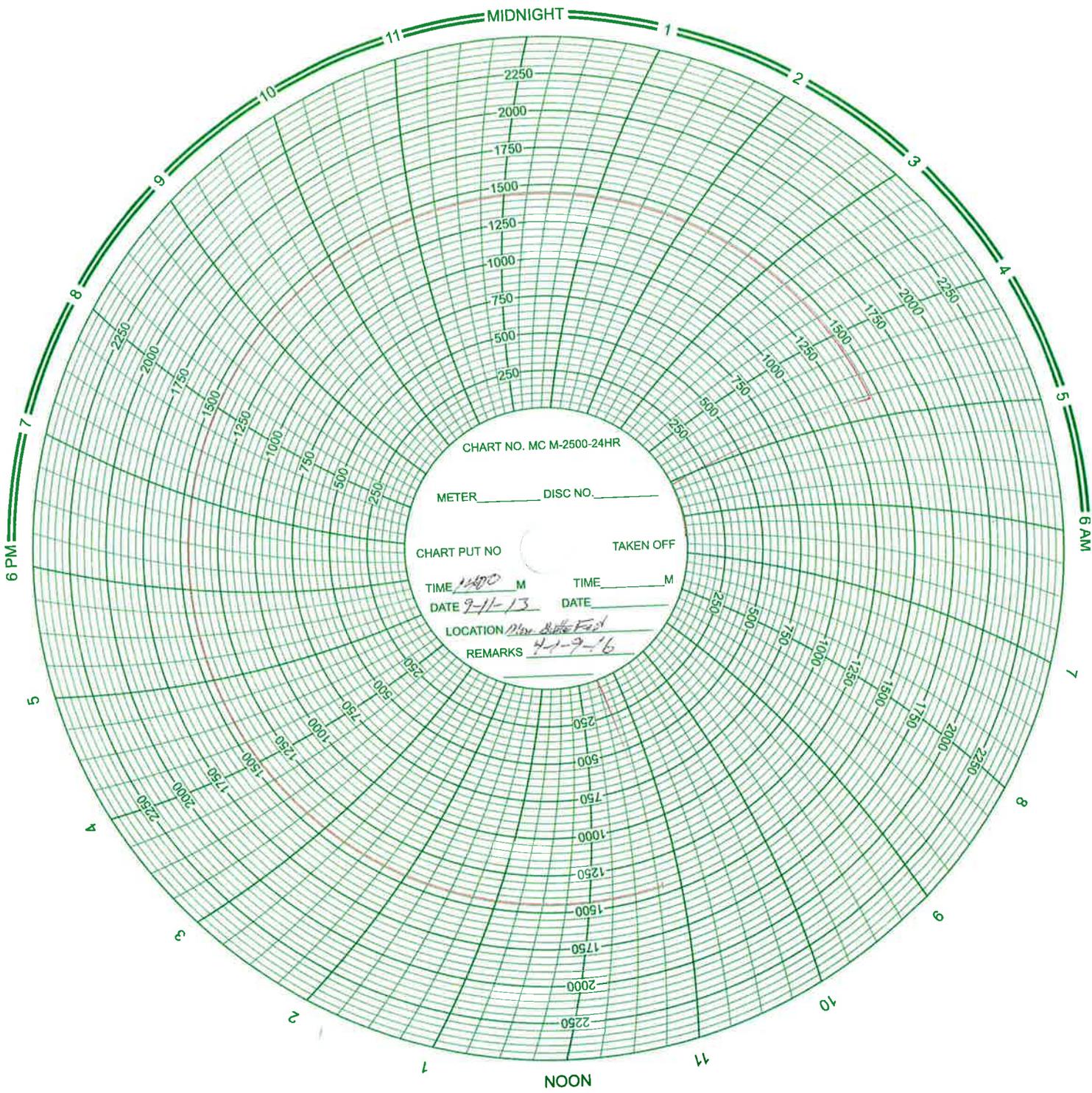
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1460-1460</u>	psig
5	<u>1460</u>	psig
10	<u>1460</u>	psig
15	<u>1460</u>	psig
20	<u>1460</u>	psig
25	<u>1460</u>	psig
30 min	<u>1460</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1155 psig

Result:  Pass  Fail

Signature of Witness: Chris Jensen

Signature of Person Conducting Test: Don Trane



**Daily Activity Report****Format For Sundry****MON BT 4-1-9-16****7/1/2013 To 11/30/2013****7/25/2013 Day: 1****Well Stimulation**

WWS #7 on 7/25/2013 - MIRUSU Pull tbg - Road Rig from 2-27-9-16 to 4-1-9-16. MIRU rig 9:30-11:00. Spot in equipment & fresh water. Start bleeding off psi. NDWH release packer, NU BOP, Ru tbg EQ. 12:00 pump 25 bbls fresh, 10 gal parafin solvent, 25 bbls fresh down tbg. Hold for 15 minutes. 1:00 bleed well off. 1:30 drop sv psi test tbg to 300 psi w/23 bw, good test. 2:15 RU, RIH & RET SV POOH & RD. Sand Line. 2:50 PU & RIH w/48 JTS 2 7/8 J-55. TBG tag @ 5703, 53' below bottom perf. LD 1 JJ. 3:40 TOOH w/174 JTS 2 7/8 J-55 tbg 5 1/2 pkr. - Road Rig from 2-27-9-16 to 4-1-9-16. MIRU rig 9:30-11:00. Spot in equipment & fresh water. Start bleeding off psi. NDWH release packer, NU BOP, Ru tbg EQ. 12:00 pump 25 bbls fresh, 10 gal parafin solvent, 25 bbls fresh down tbg. Hold for 15 minutes. 1:00 bleed well off. 1:30 drop sv psi test tbg to 300 psi w/23 bw, good test. 2:15 RU, RIH & RET SV POOH & RD. Sand Line. 2:50 PU & RIH w/48 JTS 2 7/8 J-55. TBG tag @ 5703, 53' below bottom perf. LD 1 JJ. 3:40 TOOH w/174 JTS 2 7/8 J-55 tbg 5 1/2 pkr. - Road Rig from 2-27-9-16 to 4-1-9-16. MIRU rig 9:30-11:00. Spot in equipment & fresh water. Start bleeding off psi. NDWH release packer, NU BOP, Ru tbg EQ. 12:00 pump 25 bbls fresh, 10 gal parafin solvent, 25 bbls fresh down tbg. Hold for 15 minutes. 1:00 bleed well off. 1:30 drop sv psi test tbg to 300 psi w/23 bw, good test. 2:15 RU, RIH & RET SV POOH & RD. Sand Line. 2:50 PU & RIH w/48 JTS 2 7/8 J-55. TBG tag @ 5703, 53' below bottom perf. LD 1 JJ. 3:40 TOOH w/174 JTS 2 7/8 J-55 tbg 5 1/2 pkr. - Road Rig from 2-27-9-16 to 4-1-9-16. MIRU rig 9:30-11:00. Spot in equipment & fresh water. Start bleeding off psi. NDWH release packer, NU BOP, Ru tbg EQ. 12:00 pump 25 bbls fresh, 10 gal parafin solvent, 25 bbls fresh down tbg. Hold for 15 minutes. 1:00 bleed well off. 1:30 drop sv psi test tbg to 300 psi w/23 bw, good test. 2:15 RU, RIH & RET SV POOH & RD. Sand Line. 2:50 PU & RIH w/48 JTS 2 7/8 J-55. TBG tag @ 5703, 53' below bottom perf. LD 1 JJ. 3:40 TOOH w/174 JTS 2 7/8 J-55 tbg 5 1/2 pkr.

**Daily Cost:** \$0**Cumulative Cost:** \$11,561**7/26/2013 Day: 2****Well Stimulation**

WWS #7 on 7/26/2013 - Run hyperscratcher, set tbg - bleed pressure off csg, MU and RIH w/ bull plug, hyper scratcher, 1 jnt, nipple, 173 jts tubing tallying tubing on TIH. Ru wash stand pump 30 bbls hydro-scratcher perfs. 7 different stages, pumped 110 bbls treated water TIH with tbg EOT @ 5674 circ well clean w/100bbls fresh water. LD tubing and hyper-scratcher. MU and TIH w/ 2-3/8 wl entry guide, xn nipple, tubing sub, x-over, packer, on-off tool, sn, 127 jts tbg. Circ sv to sn w/25 bw psi test tbg to 3000psi good test, RU RIH and RET sv POOH and RD sand line ready for pkr fluid in am. - bleed pressure off csg, MU and RIH w/ bull plug, hyper scratcher, 1 jnt, nipple, 173 jts tubing tallying tubing on TIH. Ru wash stand pump 30 bbls hydro-scratcher perfs. 7 different stages, pumped 110 bbls treated water TIH with tbg EOT @ 5674 circ well clean w/100bbls fresh water. LD tubing and hyper-scratcher. MU and TIH w/ 2-3/8 wl entry guide, xn nipple, tubing sub, x-over, packer, on-off tool, sn, 127 jts tbg. Circ sv to sn w/25 bw psi test tbg to 3000psi good test, RU RIH and RET sv POOH and RD sand line ready for pkr fluid in am. - bleed pressure off csg, MU and RIH w/ bull plug, hyper scratcher, 1 jnt, nipple, 173 jts tubing tallying tubing on TIH. Ru wash stand pump 30 bbls hydro-scratcher perfs. 7 different stages, pumped 110 bbls treated water TIH with tbg EOT @ 5674 circ well clean w/100bbls fresh water. LD tubing and hyper-scratcher. MU and TIH w/ 2-3/8 wl entry guide, xn nipple, tubing sub, x-over, packer, on-off tool, sn, 127 jts tbg. Circ sv to sn w/25 bw psi test tbg to 3000psi good test, RU RIH and RET sv POOH and RD sand line ready for pkr fluid in am. - bleed pressure off csg, MU and RIH w/ bull plug, hyper scratcher, 1

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**Daily Cost:** \$0

**Cumulative Cost:** \$20,896

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**7/29/2013 Day: 3****Well Stimulation**

WWS #7 on 7/29/2013 - CIRC, test PKR - Circ 50 bbls fresh water & pkr fluid down csg. ND BOP set pkr @ 4205' for 15000# tension. X/N @ 4212', EOT @ 4215', NUWH psi test csg to 15000 psi @ 8:45. Losing 50-100 psi per min. Pressured back up 4 more times by 9:15, no test. Acted like pkr was leaking & communicating with tbg. Got orders to rig down. 9:55 road rig. - Circ 50 bbls fresh water & pkr fluid down csg. ND BOP set pkr @ 4205' for 15000# tension. X/N @ 4212', EOT @ 4215', NUWH psi test csg to 15000 psi @ 8:45. Losing 50-100 psi per min. Pressured back up 4 more times by 9:15, no test. Acted like pkr was leaking & communicating with tbg. Got orders to rig down. 9:55 road rig. - Circ 50 bbls fresh water & pkr fluid down csg. ND BOP set pkr @ 4205' for 15000# tension. X/N @ 4212', EOT @ 4215', NUWH psi test csg to 15000 psi @ 8:45. Losing 50-100 psi per min. Pressured back up 4 more times by 9:15, no test. Acted like pkr was leaking & communicating with tbg. Got orders to rig down. 9:55 road rig. - Circ 50 bbls fresh water & pkr fluid down csg. ND BOP set pkr @ 4205' for 15000# tension. X/N @ 4212', EOT @ 4215', NUWH psi test csg to 15000 psi @ 8:45. Losing 50-100 psi per min. Pressured back up 4 more times by 9:15, no test. Acted like pkr was leaking & communicating with tbg. Got orders to rig down. 9:55 road rig. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$39,353

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**8/13/2013 Day: 2****Water Isolation**

Basic #1629 on 8/13/2013 - set plug and packer - open well flow well to pit release packer p.o.o.h. with tubing lay down old packer pick up plug and packer r.i.h. with tubing to 5700' TAGGED FILL set plug @5690' test to 1000 p.s.i.held100% for 15 minutes p.o.o.h to 5562.0' rig down floor nipple down b.o.p. set packer 15k in tension nipple up well head rig down load trucks and trailers road to next location s.d.f.n. - road rig to locaton spot rig at well rg up unload trucks and trailers flow well to tank and pit nipple down well head nipple up b.o.p. rig up work floor - road rig to locaton spot rig at well rg up unload trucks and trailers flow well to tank and pit nipple down well head nipple up b.o.p. rig up work floor - open well flow well to pit release packer p.o.o.h. with tubing lay down old packer pick up plug and packer r.i.h. with tubing to 5700' TAGGED FILL set plug @5690' test to 1000 p.s.i.held100% for 15 minutes p.o.o.h to 5562.0' rig down floor nipple down b.o.p. set packer 15k in tension nipple up well head rig down load trucks and trailers road to next location s.d.f.n. - road rig to locaton spot rig at well rg up unload trucks and trailers flow well to tank and pit nipple down well head nipple up b.o.p. rig up work floor - open well flow well to pit release packer p.o.o.h. with tubing lay down old packer pick up plug and packer r.i.h. with tubing to 5700' TAGGED FILL set plug @5690' test to 1000 p.s.i.held100% for 15 minutes p.o.o.h to 5562.0' rig down floor nipple down b.o.p. set packer 15k in tension nipple up well head rig down load trucks and trailers road to next location s.d.f.n. - open well flow well to pit release packer p.o.o.h. with tubing lay down old packer pick up plug and packer r.i.h. with tubing to 5700' TAGGED FILL set plug @5690' test to 1000 p.s.i.held100% for 15 minutes p.o.o.h to 5562.0' rig down floor nipple down b.o.p. set packer 15k in tension nipple up well head rig down load trucks and trailers road to next location s.d.f.n. - road rig to locaton spot rig at well rg up unload trucks and trailers flow well to tank and pit nipple down well head nipple up b.o.p. rig up work floor -

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**Daily Cost:** \$0

**Cumulative Cost:** \$11,602

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**9/6/2013 Day: 3****Water Isolation**

Basic #1629 on 9/6/2013 - spot rig, flow well - Spot rig, flow back well - Spot rig, flow back well - Spot rig, flow back well - crew travel and safety meeting nipple down well head nipple up b.o.p. rig up workfloor tongs and slips release packer r.i.h. release plug flush well with 70 bbls 250 degree water lay down 47 joints p.o.o.h. with 63 stands and a single lay down plug and packer pick up new packer r.i.h. with tubing to 4200' rig down floor nipple down b.o.p. nipple up well head pump packer fluid nipple down well head set packer / the packer set but did not seal casing stayed flowing nipple up b.o.p. rig up work floor p.o.o.h. lay down packer no visual damage or wear wait on new packer secure well s.d.f.n. - crew travel and safety meeting nipple down well head nipple up b.o.p. rig up workfloor tongs and slips release packer r.i.h. release plug flush well with 70 bbls 250 degree water lay down 47 joints p.o.o.h. with 63 stands and a single lay down plug and packer pick up new packer r.i.h. with tubing to 4200' rig down floor nipple down b.o.p. nipple up well head pump packer fluid nipple down well head set packer / the packer set but did not seal casing stayed flowing nipple up b.o.p. rig up work floor p.o.o.h. lay down packer no visual damage or wear wait on new packer secure well s.d.f.n. - Spot rig, flow back well - Spot rig, flow back well - crew travel and safety meeting nipple down well head nipple up b.o.p. rig up workfloor tongs and slips release packer r.i.h. release plug flush well with 70 bbls 250 degree water lay down 47 joints p.o.o.h. with 63 stands and a single lay down plug and packer pick up new packer r.i.h. with tubing to 4200' rig down floor nipple down b.o.p. nipple up well head pump packer fluid nipple down well head set packer / the packer set but did not seal casing stayed flowing nipple up b.o.p. rig up work floor p.o.o.h. lay down packer no visual damage or wear wait on new packer secure well s.d.f.n. - crew travel and safety meeting nipple down well head nipple up b.o.p. rig up workfloor tongs and slips release packer r.i.h. release plug flush well with 70 bbls 250 degree water lay down 47 joints p.o.o.h. with 63 stands and a single lay down plug and packer pick up new packer r.i.h. with tubing to 4200' rig down floor nipple down b.o.p. nipple up well head pump packer fluid nipple down well head set packer / the packer set but did not seal casing stayed flowing nipple up b.o.p. rig up work floor p.o.o.h. lay down packer no visual damage or

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**Daily Cost:** \$0

**Cumulative Cost:** \$15,703

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### 9/9/2013 Day: 5

### Water Isolation

Basic #1629 on 9/9/2013 - set packer, test casing - make up b.h.a. unable to get packer in well past drag blocks call for a new packer pick up old packer r.i.h. with 11 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 51 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 91 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 125 joints test casing to 1400 p.s.i. good test r.i.h. with 127 joints test casing to 1400 p.s.i. failed test p.o.o.h. to 126 joints test casing to 1400 p.s.i. good test 98' above top perf r.i.h. with 127 joints and an 8' pup and a 6' pup set packer test to 1400 p.s.i. good test release packer p.o.o.h. lay down packer pick up new packer r.i.h. with 127 joints wait on tubing pick up 1 joint rig down floor nipple down b.o.p. nipple up well head pump packer fluid nipple down well head set packer nipple up well head test casing 100 % @ 1400 p.s.i. secure well s.d.f.n. - make up b.h.a. unable to get packer in well past drag blocks call for a new packer pick up old packer r.i.h. with 11 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 51 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 91 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 125 joints test casing to 1400 p.s.i. good test r.i.h. with 127 joints test casing to 1400 p.s.i. failed test p.o.o.h. to 126 joints test casing to 1400 p.s.i. good test 98' above top perf r.i.h. with 127 joints and an 8' pup and a 6' pup set packer test to 1400 p.s.i. good test release packer p.o.o.h. lay down packer pick up new packer r.i.h. with 127 joints wait on tubing pick up 1 joint rig down floor nipple down b.o.p. nipple up well head pump packer fluid nipple down well head set packer nipple up well head test casing 100 % @ 1400 p.s.i. secure well s.d.f.n. - make up b.h.a. unable to get packer in well past drag blocks call for a new packer pick up old packer r.i.h. with 11 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 51 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 91 joints test casing to 1400 p.s.i.

good test release packer r.i.h. with 125 joints test casing to 1400 p.s.i. good test r.i.h. with 127 joints test casing to 1400 p.s.i. failed test p.o.o.h. to 126 joints test casing to 1400 p.s.i. good test 98' above top perf r.i.h. with 127 joints and an 8' pup and a 6' pup set packer test to 1400 p.s.i. good test release packer p.o.o.h. lay down packer pick up new packer r.i.h. with 127 joints wait on tubing pick up 1 joint rig down floor nipple down b.o.p. nipple up well head pump packer fluid nipple down well head set packer nipple up well head test casing 100 % @ 1400 p.s.i. secure well s.d.f.n. - make up b.h.a. unable to get packer in well past drag blocks call for a new packer pick up old packer r.i.h. with 11 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 51 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 91 joints test casing to 1400 p.s.i. good test release packer r.i.h. with 125 joints test casing to 1400 p.s.i. good test r.i.h. with 127 joints test casing to 1400 p.s.i. failed test p.o.o.h. to 126 joints test casing to 1400 p.s.i. good test 98' above top perf r.i.h. with 127 joints and an 8' pup and a 6' pup set packer test to 1400 p.s.i. good test release packer p.o.o.h. lay down packer pick up new packer r.i.h. with 127 joints wait on tubing pick up 1 joint rig down floor nipple down b.o.p. nipple up well head pump packer fluid nipple down well head set packer nipple up well head test casing 100 % @ 1400 p.s.i. secure well s.d.f.n.

**Finalized****Daily Cost:** \$0**Cumulative Cost:** \$31,379

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**9/11/2013 Day: 6****Water Isolation**

Rigless on 9/11/2013 - Conduct MIT - On 09/09/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/10/2013 the csg was pressured up to 1460 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1155 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/09/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/10/2013 the csg was pressured up to 1460 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1155 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/09/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/10/2013 the csg was pressured up to 1460 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1155 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 09/09/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/10/2013 the csg was pressured up to 1460 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1155 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$32,279

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**Pertinent Files: Go to File List**

# Monument Butte Federal 4-1-9-16

Spud Date: 9/8/1995  
 Put on Production: 11/17/1995  
 GL: 5407' KB: 5420'

Initial Production: 41 BOPD,  
 44 MCFD, 7 BWPD

Injection Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (305.57')  
 DEPTH LANDED: 303.87'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Premium Cement + additives.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts (5882.85')  
 DEPTH LANDED: 5865.57'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sxs HiFill Standard & 300 sxs Thixotropic.  
 CEMENT TOP AT: 280' per CBL

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 128 jts (4220')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4233' KB  
 ON/OFF TOOL AT: 4234.1'  
 ARROW #1 PACKER CE AT: 4239.25'  
 TBG PUP 2-3/8 J-55 AT: 4243'  
 X/N NIPPLE AT: 4247.2'  
 TOTAL STRING LENGTH: EOT @ 4248.15'

**FRAC JOB**

11/11/95 4973'-4985' **Frac C sand as follows:** 38,000# 16/30 sand in 370 bbls fluid. Treated @ avg press of 3000 psi w/avg rate of 33.5 BPM. Screened out.

11/14/95 4818'-4828' **Frac D sand as follows:** 54,900# 20/40 sand in 479 bbls Boragel fluid. Treated @ avg press of 2150 psi w/avg rate of 28.6 BPM. ISIP 2176 psi. Flowed for 5 hrs then died.

6/20/02 5104'-5125' **Frac B2 sand as follows:** 26,500# 20/40 sand in 290 bbls Viking I-25 frac fluid. Treated @ avg press of 3580 psi w/avg rate of 15.7 BPM. ISIP 2150 psi. Calc. Flush: 1280 gal. Actual flush: 1176 gal.

6/20/02 4530'-4576' **Frac PB10, 11 sands as follows:** 31,743# 20/40 sand in 363 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25 BPM. ISIP 2520 psi. Calc. Flush: 4564 gal. Actual flush: 4410 gal.

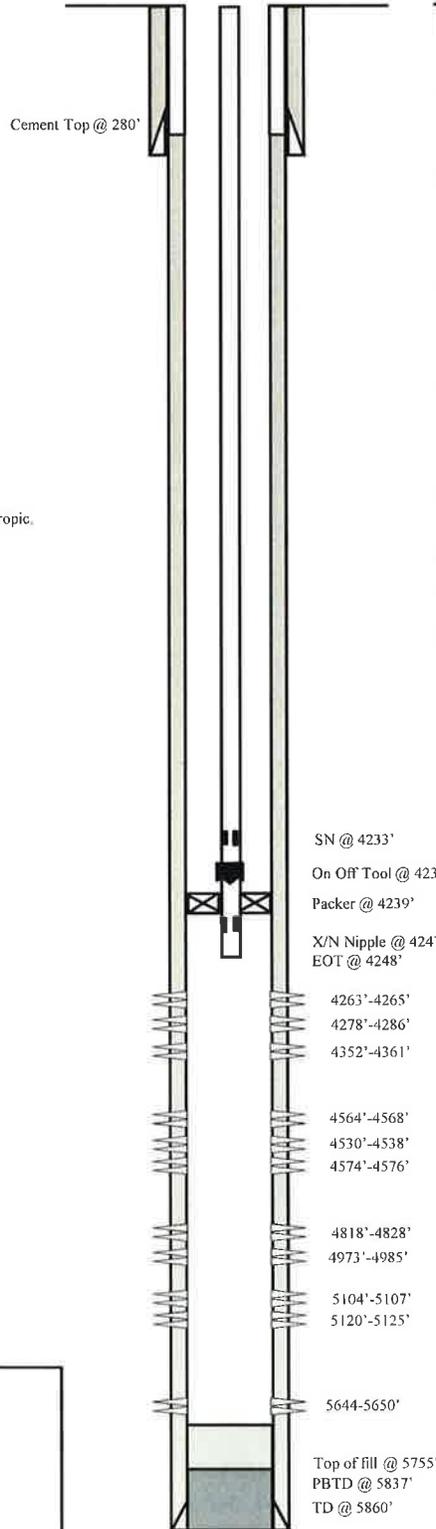
6/21/02 4263'-4361' **Frac GB4, 6 sands as follows:** 51,877# 20/40 sand in 441 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25.7 BPM. ISIP 2300 psi. Calc. Flush: 4263 gal. Actual flush: 4158 gal.

10/11/11 5644-5650' **Frac CP.5 sands as follows:** 18406# 20/40 sand in 162 bbls Lightening 17 frac fluid.

10/12/11 **Convert to Injection Well**

10/20/11 **Conversion MIT Finalized** – update tbg detail

09/10/13 **Workover MIT Completed** – water isolation – update tbg detail



**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
11/10/95	4973'-4985'	4 JSPF	52 holes
11/14/95	4818'-4828'	4 JSPF	44 holes
6/19/02	5120'-5125'	4 JSPF	20 holes
6/19/02	5104'-5107'	4 JSPF	12 holes
6/19/02	4574'-4576'	4 JSPF	08 holes
6/19/02	4530'-4538'	4 JSPF	32 holes
6/19/02	4564'-4568'	4 JSPF	16 holes
6/20/02	4352'-4361'	4 JSPF	36 holes
6/20/02	4278'-4286'	4 JSPF	32 holes
6/20/02	4263'-4265'	4 JSPF	08 holes
10/11/11	5644-5650'	3 JSPF	18 holes



**Monument Butte Fed. 4-1-9-16**  
 799' FNL & 608' FWL  
 NW/NW Section 1-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31545; Lease #UTU-72103

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-72103
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<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:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: MONUMENT BUTTE FED 4-1
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013315450000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0799 FNL 0608 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 01 Township: 09.0S Range: 16.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		PHONE NUMBER: 435 646-4825 Ext

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 type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 50px;" type="text" value="W/O MIT"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/10/2013			
<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 subject well had workover procedures performed (water isolation), attached is a daily status report. On 09/09/2013 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 09/10/2013 the csg was pressured up to 1460 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbp pressure was 1155 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**  
September 16, 2013

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
Date: 10-30-2013  
By: [Signature]

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/13/2013	