

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 06/13/90

OPERATOR: LOMAX EXPLORATION COMPANY  
WELL NAME: MONUMENT FEDERAL 10-34

OPERATOR ACCT NO: N-0580

CONFIDENTIAL

API NO. ASSIGNED: 43-013-31371

LEASE TYPE: FED LEASE NO: D-116535  
LOCATION: NWSE 34 - T08S - R16E DUCHESNE COUNTY  
FIELD: MONUMENT BUTTE FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

- Plat
- Bond  
(Number federal)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
(Number no permit)
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

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

COMMENTS:

STIPULATIONS:

1- Water Permit

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 12-26-93

DATE RECEIVED: / /

LOMAX EXPLORATION Co.

43-013-31371

MONUMENT BUTTE FED# 10-34

2/14/94

SEC. 34 T8S R16E

DJR

↑ NORTHWEST

SURFACE SOIL PILE

WELL HEAD

Pump Jack  
w/ GAS MOTOR

RESERVOIR  
PIT  
RECLAMATION  
HERE!

LINE  
HEATER

HEATER/  
TREATER

SEPARATOR  
w/ DAMP

ORIFICE  
METER

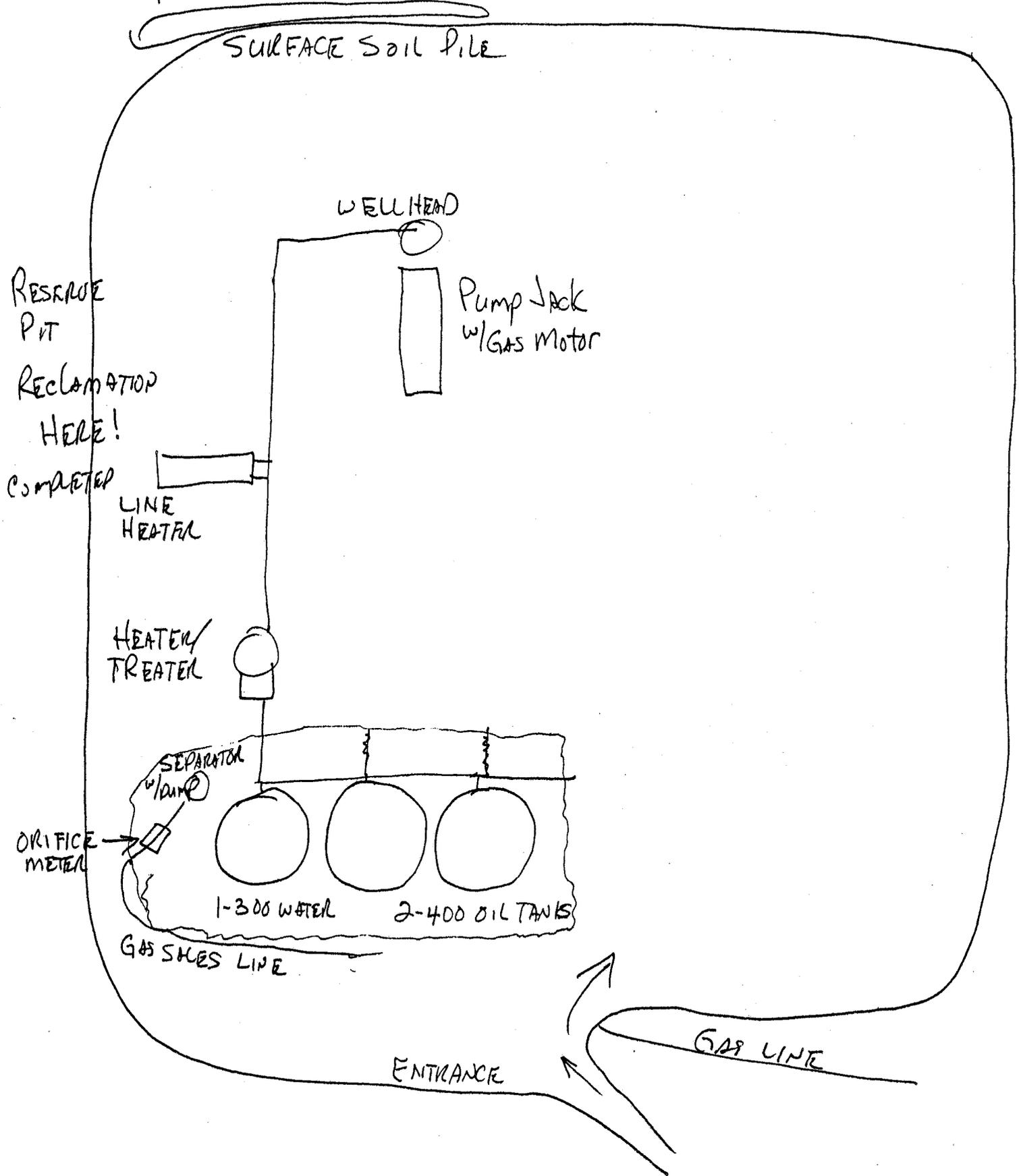
1-300 WATER

2-400 OIL TANKS

GAS SICES LINE

ENTRANCE

GAS LINE



Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



August 31, 1992

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

Attention: Frank Mathews

RECEIVED

SEP 01 1992

DIVISION OF  
OIL GAS & MINING

RE: Monument Federal #10-34  
NW/SE Section 34, T8S, R16E  
Monument Butte Waterflood Unit  
Duchesne County, Utah

43-013-31279

Dear Mr. Mathews,

Enclosed are copies of the updated survey plats you requested for the Federal #10-34, referenced above. The location has been re-staked and an "Application for Permit to Drill" has been resubmitted to the BLM.

If you should have any questions or require additional information, please call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Brad Mechem".

Brad Mechem  
Regional Production Manager

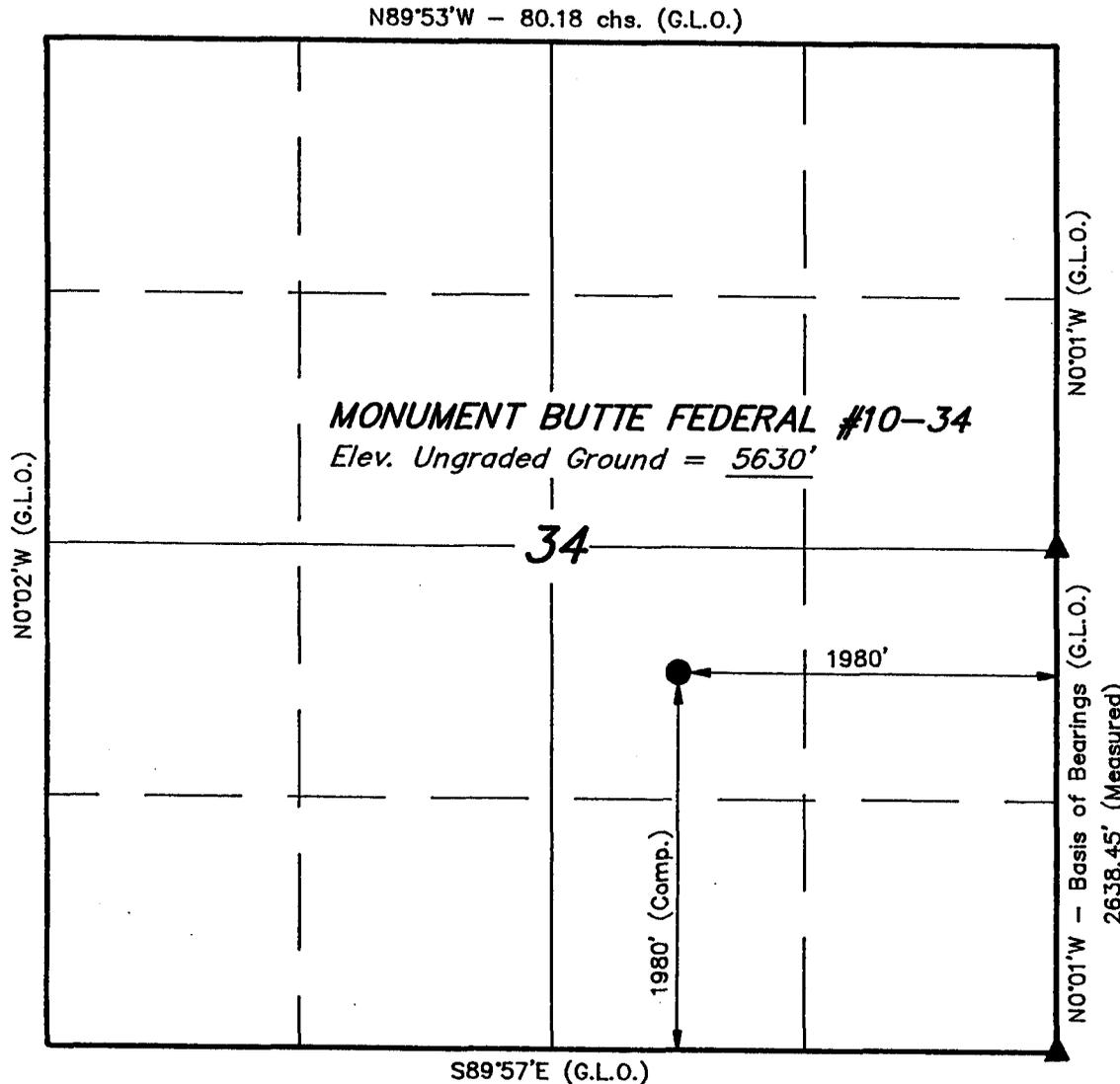
/ln  
GOVT\10-34ST.LTR

Enclosures

**T8S, R16E, S.L.B.&M.**

**LOMAX EXPLORATION CO.**

Well location, MONUMENT BUTTE FEDERAL #10-34, located as shown in the NW 1/4 SE 1/4 of Section 34, T8S, R16E, S.L.B.&M. Duchesne County, Utah.



**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 34, T8S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5575 FEET.

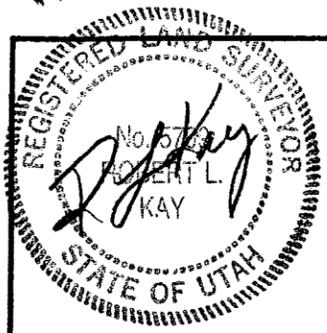


CERTIFICATE OF APPROVED LAND SURVEYING  
 THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 5709  
*Robert L. Key*  
 REGISTERED LAND SURVEYOR  
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

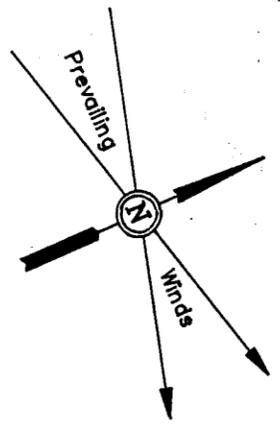
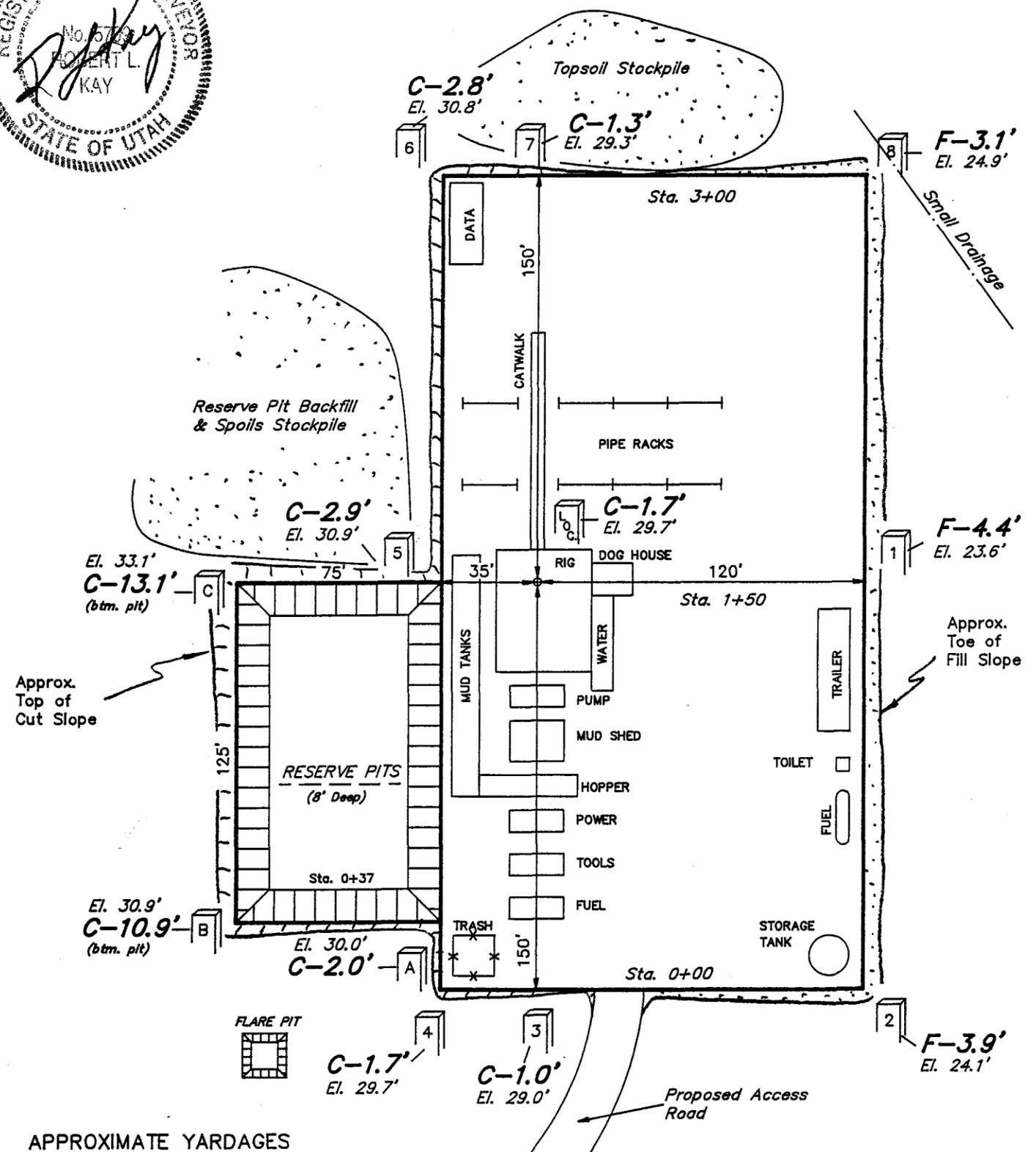
▲ = SECTION CORNERS LOCATED. (BRASS CAPS)

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

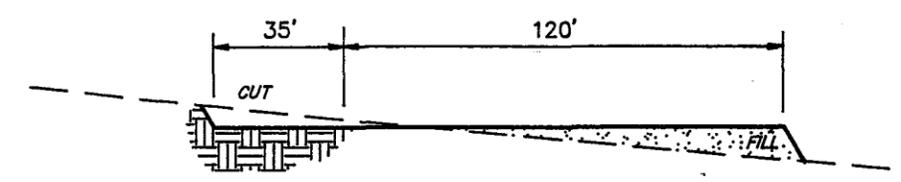
SCALE 1" = 1000'	DATE 5-16-90
PARTY G.S. J.F. J.R.S.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE LOMAX EXPLORATION CO.



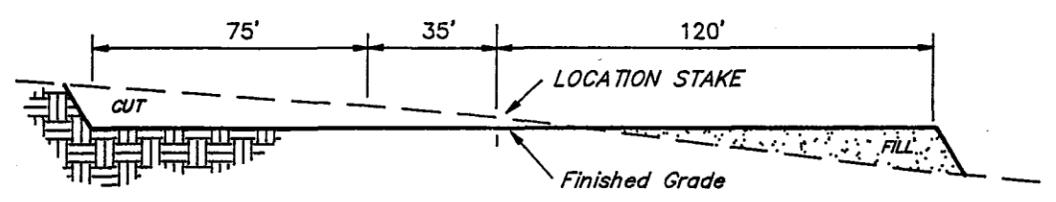
LOMAX EXPLORATION CO.  
 LOCATION LAYOUT FOR  
 MONUMENT BUTTE FED. #10-34  
 SECTION 34, T8S, R16E, S.L.B.&M.



SCALE: 1" = 50'  
 DATE: 8-14-92  
 Drawn By: J.L.G.

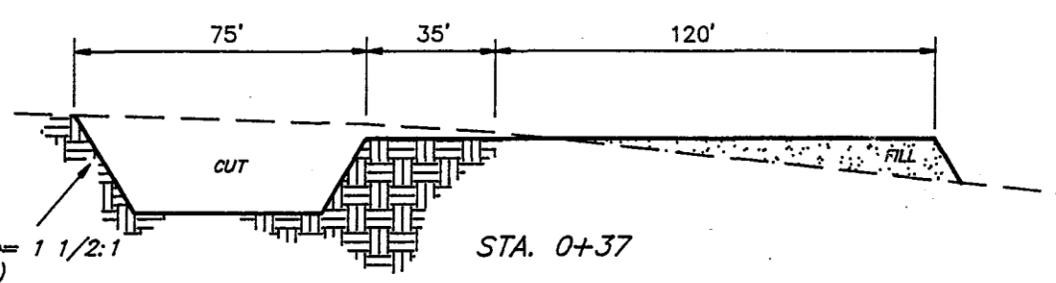


STA. 3+00

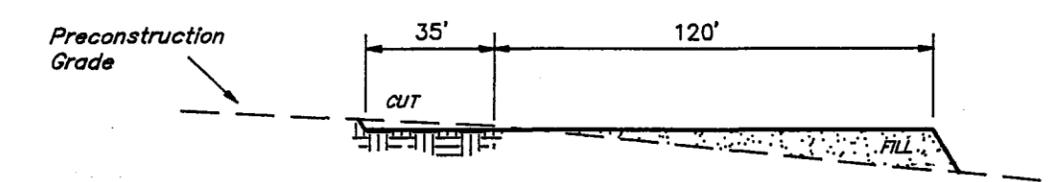


STA. 1+50

X-Section Scale  
 1" = 20'  
 1" = 50'



STA. 0+37



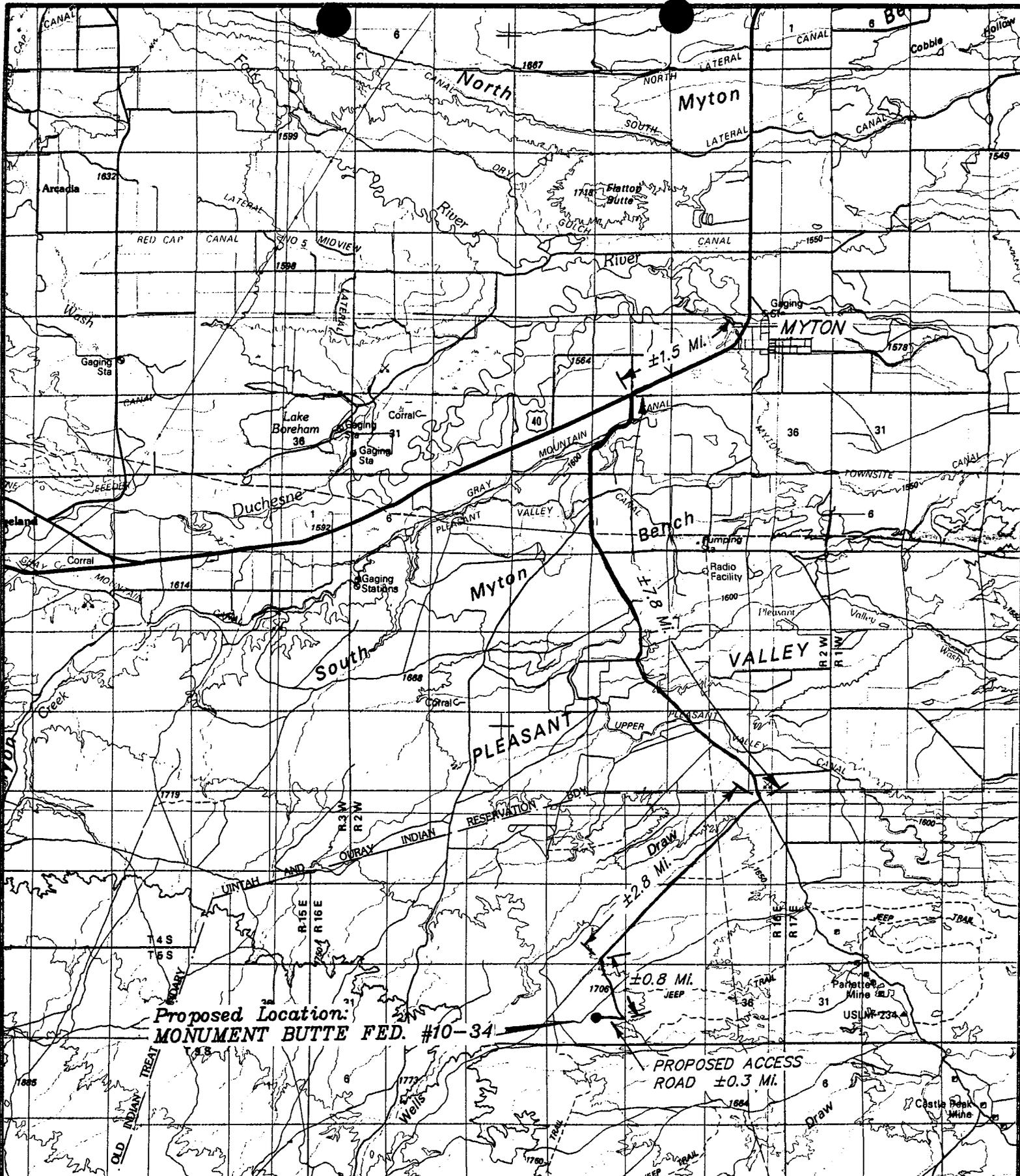
STA. 0+00

TYP. LOCATION LAYOUT TYP. CROSS SECTIONS

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 1,030 Cu. Yds.	EXCESS MATERIAL AFTER 5% COMPACTION	= 2,090 Cu. Yds.
Remaining Location	= 3,850 Cu. Yds.	Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,090 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 4,880 CU.YDS.</b>	EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.
<b>FILL</b>	<b>= 2,650 CU.YDS.</b>		

Elev. Ungraded Ground at Location Stake = 5629.7'  
 Elev. Graded Ground at Location Stake = 5628.0'



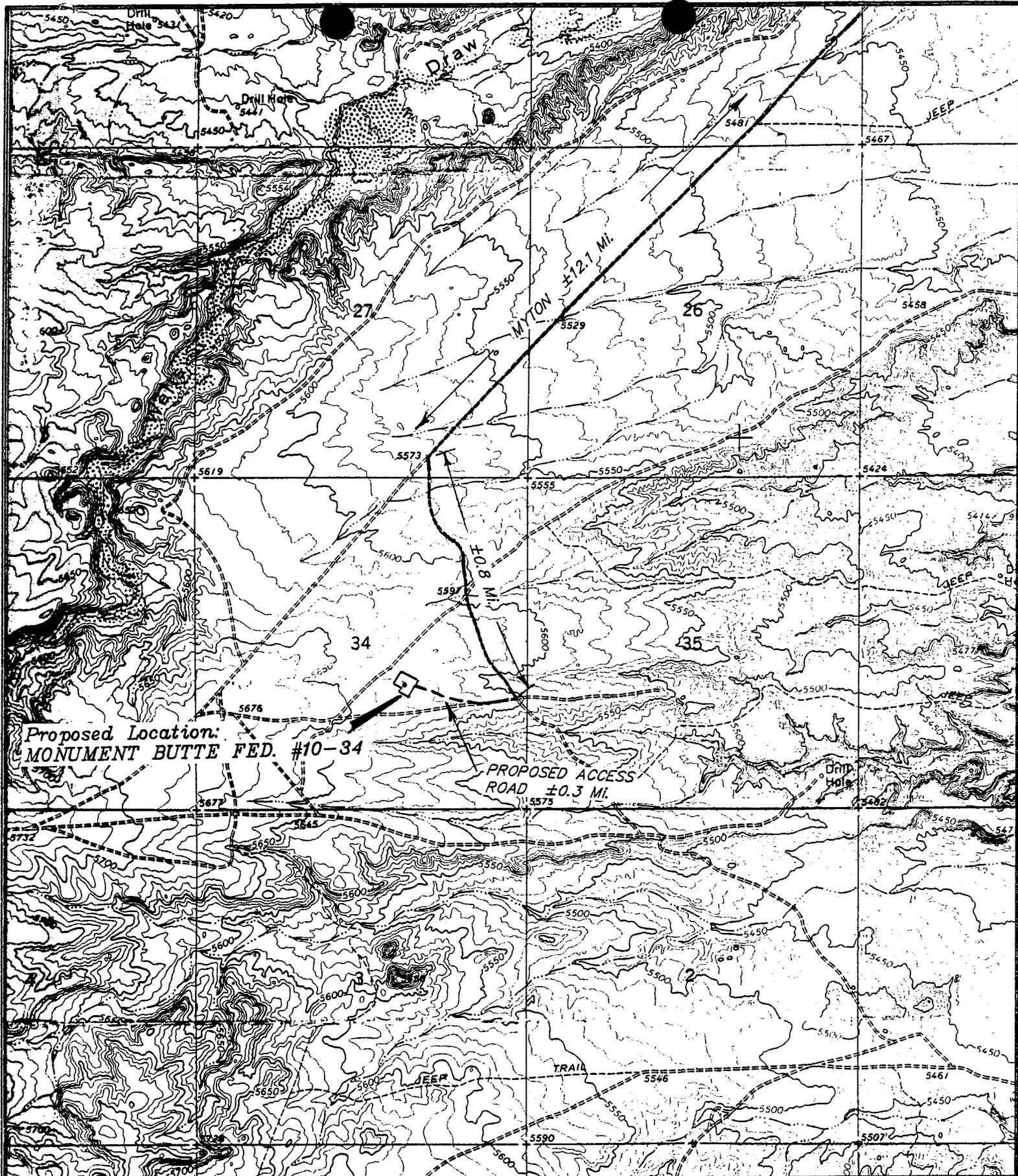
Proposed Location:  
**MONUMENT BUTTE FED. #10-34**

PROPOSED ACCESS  
 ROAD ±0.3 Mi.

TOPOGRAPHIC  
 MAP "A"  
 DATE: 5-17-90



**LOMAX EXPLORATION CO.**  
 MONUMENT BUTTE FED. #10-34  
 SECTION 34, T8S, R16E, S.L.B.&M.



TOPOGRAPHIC  
 MAP "B"  
 SCALE: 1" = 2000'  
 DATE: 5-17-90



LOMAX EXPLORATION CO.  
 MONUMENT BUTTE FED. #10-34  
 SECTION 34, T8S, R16E, S.L.B.&M.

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149

September 22, 1992



State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
Attention: Tammy Searing

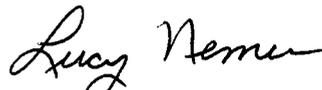
RE: Application for Permit to Drill  
Mon. Butte (Green River "D") UT  
Federal #10-34  
NW/SE Section 34, T8S, R16E  
Duchesne County, Utah

Dear Tammy,

Please find enclosed the "Application for Permit to Drill" for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

  
Lucy Nemec  
Secretary

/ln

Enclosures 1

RECEIVED

SEP 23 1992

DIVISION OF  
OIL GAS & MINING

Form 3160-3  
(November 1983)  
(formerly 9-331C)

SUBMIT IN TRIPlicate\*  
(Other instructions on  
reverse side)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
 LOMAX EXPLORATION COMPANY

3. ADDRESS OF OPERATOR  
 801-722-5103  
 P.O. Box 1446, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 AT SURFACE  
 1980 FSL 1980 FEL NW/SE  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 14 miles south of Myton, Utah

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

16. NO. OF ACRES IN LEASE 1280'

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, ON APPLIED FOR, ON THIS LEASE, FT. 1320'

19. PROPOSED DEPTH 6400'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GH, etc.) 5628.2 GR

22. APPROX. DATE WORK WILL START\* October, 1992

5. LEASE DESIGNATION AND SERIAL NO.  
 U-16535 Unit #83688U6800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME Monument Butte (Green River "D") Unit

8. FARM OR LEASE NAME Monument Federal

9. WELL NO. #10-34

10. FIELD AND POOL, OR WILDCAT Monument Butte

11. SEC., T., S., W., OR BLK. AND SURVEY OR AREA Section 34, T8S, R16E

12. COUNTY OR PARISH Duchesne

13. STATE Utah

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'	216 sv Class "G" + 2% CaCl <sub>2</sub>
7-7/8"	5-1/2"	17#	TD	616 sv Hilift followed by 529 sv Class "G" w/2% CaCl <sub>2</sub>

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS AND MINING  
 DATE: 9-28-92  
 BY: [Signature]  
 Well spring 1649-2-3

SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed program. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths of proposed program if any.

SIGNED: [Signature] TITLE: Regional Prod. Mgr. DATE: 8-28-92  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

\*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.

LOMAX EXPLORATION COMPANY  
DOCUMENT TRANSMITTAL SHEETTO: Frank MathewsFROM: Brad MehamCOMMENTS: The Complete application is in  
the express mail to you.  
  
DATE: 9-22-92NO. OF PAGES (INCLUDING COVER PAGE): 2

## NOTE TO RECIPIENT:

IN CASE OF ANY PROBLEMS CONCERNING THIS TRANSMISSION, PLEASE  
CALL (801) 722-5103.

WE ARE SENDING THIS FROM A MURATA F-37.

OUR TELECOPIER NO. IS (801) 722-9149.

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-16535 Unit #83688U6800

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

7. If Unit or CA, Agreement Designation  
Monument Butte (Green River "D") Unit

8. Well Name and No.  
Monument Federal #10-34

9. API Well No.

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

Duchesne County, Utah

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

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

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

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

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

Lomax Exploration Company hereby notifies the BLM of a change in drilling plans. We will be using an 8" BOP & an 8" double ram hydraulic unit with a closing unit. (See attached exhibit.)

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

**RECEIVED**

SEP 23 1992

DATE: 9-24-92  
BY: [Signature] DIVISION OF  
OIL, GAS & MINING

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

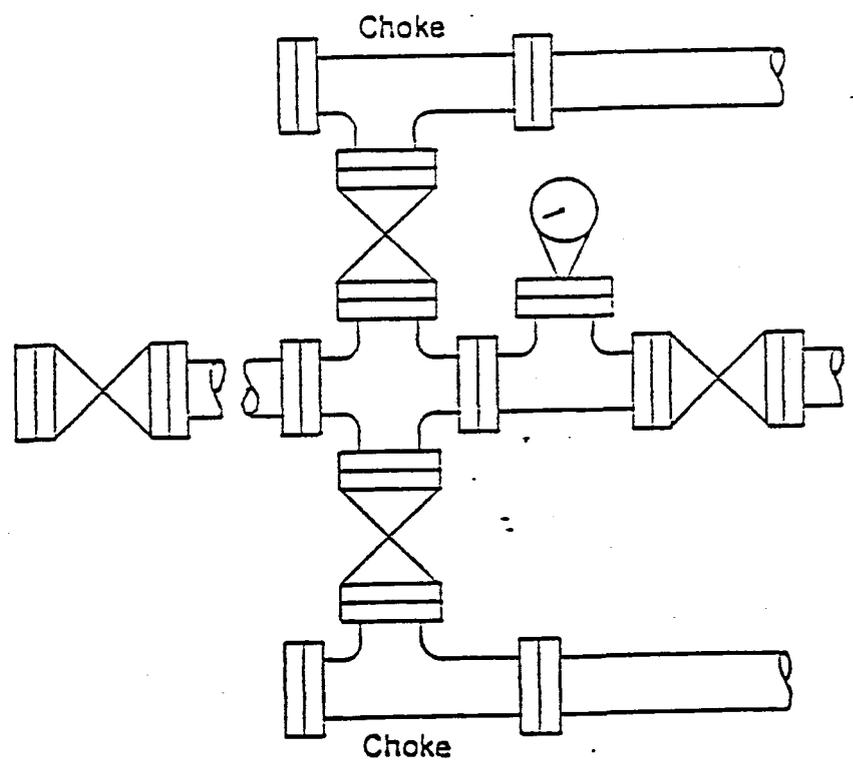
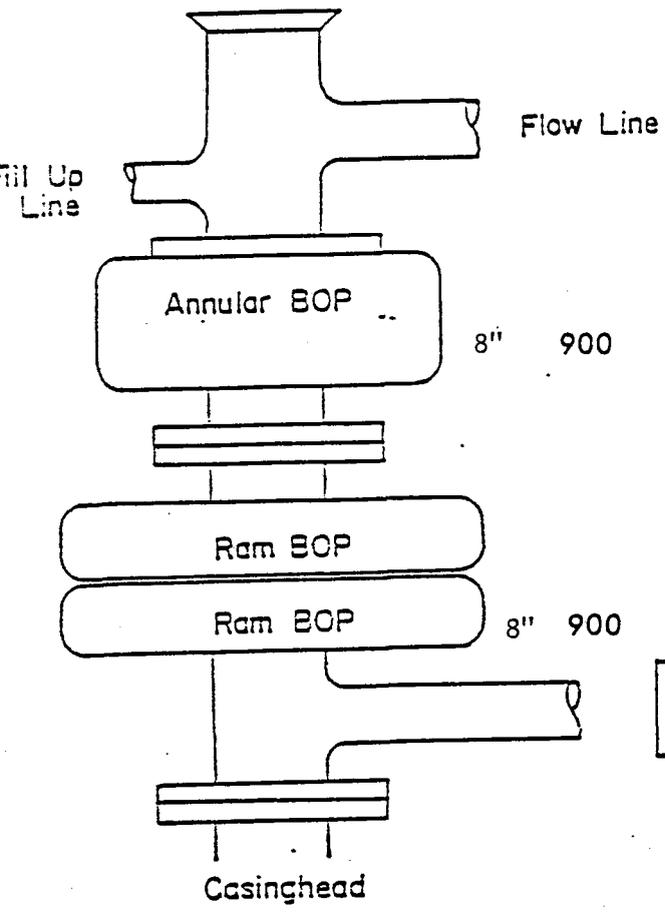
Signed [Signature] Title Regional Production Manager Date 9/21/92

(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



ALL EQUIPMENT 3000 PSI OR HIGHER WORKING PRESSURE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK   
 b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 LOMAX EXPLORATION COMPANY

3. ADDRESS OF OPERATOR 801-722-5103  
 P.O. Box 1446, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1980 FSL 1980 FEL NW/SE  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 14 miles south of Myton, Utah

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20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)  
 5628.2 GR

22. APPROX. DATE WORK WILL START\*  
 October, 1992

23. PROPOSED CASING AND CEMENTING PROGRAM

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7-7/8"	5-1/2"	17#	TD	616 sx Hilift followed by 529 sx Class "G" w/2% CaCl <sub>2</sub>

RECEIVED

SEP 23 1992

DIVISION OF  
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Brad Mechem TITLE Regional Production Mgr. DATE 8-28-92  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
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22. APPROX. DATE WORK WILL START\*  
 October, 1992

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 U-16535 Unit #83688U6800

5. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME Monument  
 Butte (Green River "D") Unit

6. FARM OR LEASE NAME  
 Monument Federal

9. WELL NO.  
 #10-34

10. FIELD AND POOL, OR WILDCAT  
 Monument Butte

11. SEC. T. E. M., OR S.E. AND SURVEY OR AREA  
 Section 34, T8S, R16E

12. COUNTY OR PARISH Duchesne

13. STATE Utah

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APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS AND MINING  
 DATE: 9-28-92  
 BY: [Signature]  
 well spacing 1649-2-3

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24. SIGNED: [Signature] TITLE: Regional Production Mgr. DATE: 8-28-92  
 [Signature] [Signature]

(This space for Federal or State office use)  
 PERMIT NO. 43-013-31371 APPROVAL DATE

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

\*See Instructions On Reverse Side

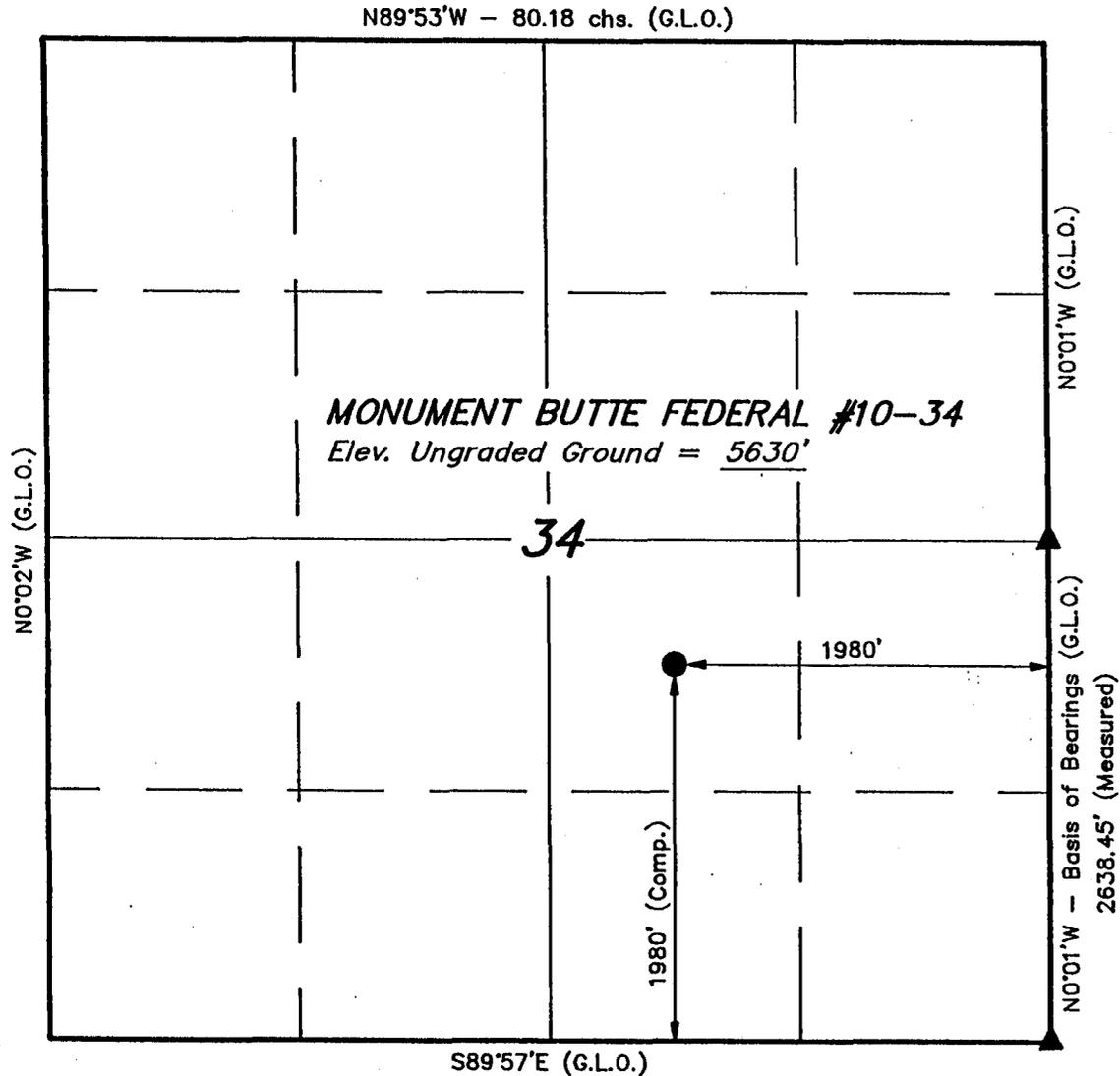
**LOMAX EXPLORATION CO.**

**T8S, R16E, S.L.B.&M.**

Well location, MONUMENT BUTTE FEDERAL #10-34, located as shown in the NW 1/4 SE 1/4 of Section 34, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 34, T8S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5575 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Key*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 5709  
 STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(801) 789-1017		
SCALE 1" = 1000'	DATE 5-16-90	
PARTY G.S. J.F. J.R.S.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE LOMAX EXPLORATION CO.	

▲ = SECTION CORNERS LOCATED. (BRASS CAPS)

TEN POINT WELL PROGRAM

LOMAX EXPLORATION  
MONUMENT BUTTE FEDERAL #10-34  
NW/SE Section 34, T8S, R16E  
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0 - 3030
Green River	3030
Wasatch	6070

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

Green River 5570 - Oil

4. PROPOSED CASING PROGRAM

8 5/8", J-55, 24# w/ST&C collars; set at 300# (New)  
5 1/2", J-55, 17# 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 10" Series 900 Hydir1 Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure test of BOP's will be checked daily.  
(See Exhibit E)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

MONUMENT BUTTE FEDERAL #10-34

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. However, a wireline BHP test will be taken in the "B" & "D" sands if they are present. It is anticipated @ this time that the logging will consist of a Dual Induction Laterolog, a Compensated Neutron-Formation Density, Formation Microscan and NMR logs. Rotary diamond sidewall cores will be taken in prospective reservoirs. We anticipate full diameter cores be taken in the "D" & "B" if warranted. Logs will run from PBD to 3500'. The Cement Bond Log will be run to cement top.

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 gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence in October 1992.

**LOMAX EXPLORATION COMPANY  
MONUMENT BUTTE (GREEN RIVER "D") UNIT  
FEDERAL #10-34  
NW/SE SECTION 34, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT SURFACE USE PROGRAM**

1. **EXISTING ROADS**

See attached Topographic Map "A".

To reach LOMAX EXPLORATION COMPANY well location site Monument Butte Federal #10-34 located in the NW 1/4 SE 1/4 Sec. 34, T8S, 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 - 1.9 miles to its junction with Utah State Highway 216; proceed southerly along State Highway 216 - 5.9 miles to its junction with an existing dirt road to the southwest; proceed southwesterly along this road 2.8 miles to its junction with an existing dirt road to the south; proceed southeasterly along this road .8 miles to its intersection with the beginning of the proposed access road to be discussed in Item #2.

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 gravels. 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 B.L.M., 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 NE 1/4 SE 1/4 Section 34, T8S, R16E, S.L.B. &

**LOMAX EXPLORATION  
MONUMENT BUTTE FEDERAL #10-34  
SEC. 34, T8S, R16E, S.L.B. & M.**

M., and proceeds in a northwesterly direction approximately 1500'± to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. Back slopes along the cut areas of the road will be 1 to 1 1/2 slopes and terraced.

There will be no culverts required along this access road. There will be some water turnouts constructed along this road.

There are no fences encountered along this proposed road. There will be 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 six producing, three injection and one P&A LOMAX EXPLORATION wells, one producing ENSERCH well and five producing PG&E wells within a one mile radius of this location site. (See Topographic Map "D")

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

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

If a tank battery is constructed on this lease, the battery or 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. The integrity of the dike will be maintained.

Tank batteries will be placed on a per Sundry Notice if the well is successfully completed and placed on production.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted with Desert Brown #10YR6-3. 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 fresh water supply line located at the Monument Butte

**LOMAX EXPLORATION  
MONUMENT BUTTE FEDERAL #10-34  
SEC. 34, T8S, R16E, S.L.B. & M.**

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 borrow 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 & lined with a plastic nylon reinforced liner 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 liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

After first production, produced waste water will be confined to a pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) & 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.

**LOMAX EXPLORATION  
MONUMENT BUTTE FEDERAL #10-34  
SEC. 34, T8S, R16E, S.L.B. & M.**

**9. WELL SITE LAYOUT**

See attached Location Layout Sheet. Exhibit "E"

The reserve pit will be located on the south corner.

The flare pit will be located downwind of the prevailing wind direction on the south, a minimum of 100 feet from the wellhead and 30 feet from the reserve pit fence.

The stockpiled topsoil (first six inches) will be stored on the west side near Stake #7.

Access to the well pad will be from the east side near Stake #3.

**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 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- b) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two Posts shall be no greater than 16 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 sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

**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,

**LOMAX EXPLORATION  
MONUMENT BUTTE FEDERAL #10-34  
SEC. 34, T8S, R16E, S.L.B. & M.**

equipment, debris, material, trash and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

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

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

When the drilling & 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 following seed mixture will be used:

Pure Live Seed (PLS)		Seed Mix
<u>lbs./acre</u>		
1		Forage Kochia (Kochia Prostrata)
5		Ephriam Crested Wheatgrass (Agropyron Cristatum Ephriam)
4		Russiam Wildrye (Elymus Junceus)
2		Fourwing Saltbush (Atriplex Canescens)

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 BLM will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP--BUREAU OF LAND MANAGEMENT**

12. **OTHER ADDITIONAL INFORMATION**

- a. Lomax Exploration 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

**LOMAX EXPLORATION  
MONUMENT BUTTE FEDERAL #10-34  
SEC. 34, T8S, R16E, S.L.B. & M.**

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 (AO).

- b. Lomax Exploration will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

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

Additional Surface Stipulations

One silt catchment dam and basin will be constructed north and downhill from the well pad.

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

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

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

LOMAX EXPLORATION or a contractor employed by LOMAX EXPLORATION shall contact Ralph Brown or Tim Obrien of the B.L.M. 48 hours prior to construction activities.

LOMAX EXPLORATION  
MONUMENT BUTTE FEDERAL #10-34  
SEC. 34, T8S, R16E, S.L.B. & M.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham  
Address: P.O. Box 1446  
Roosevelt, Utah 84066  
Phone No.: (801)722-5103

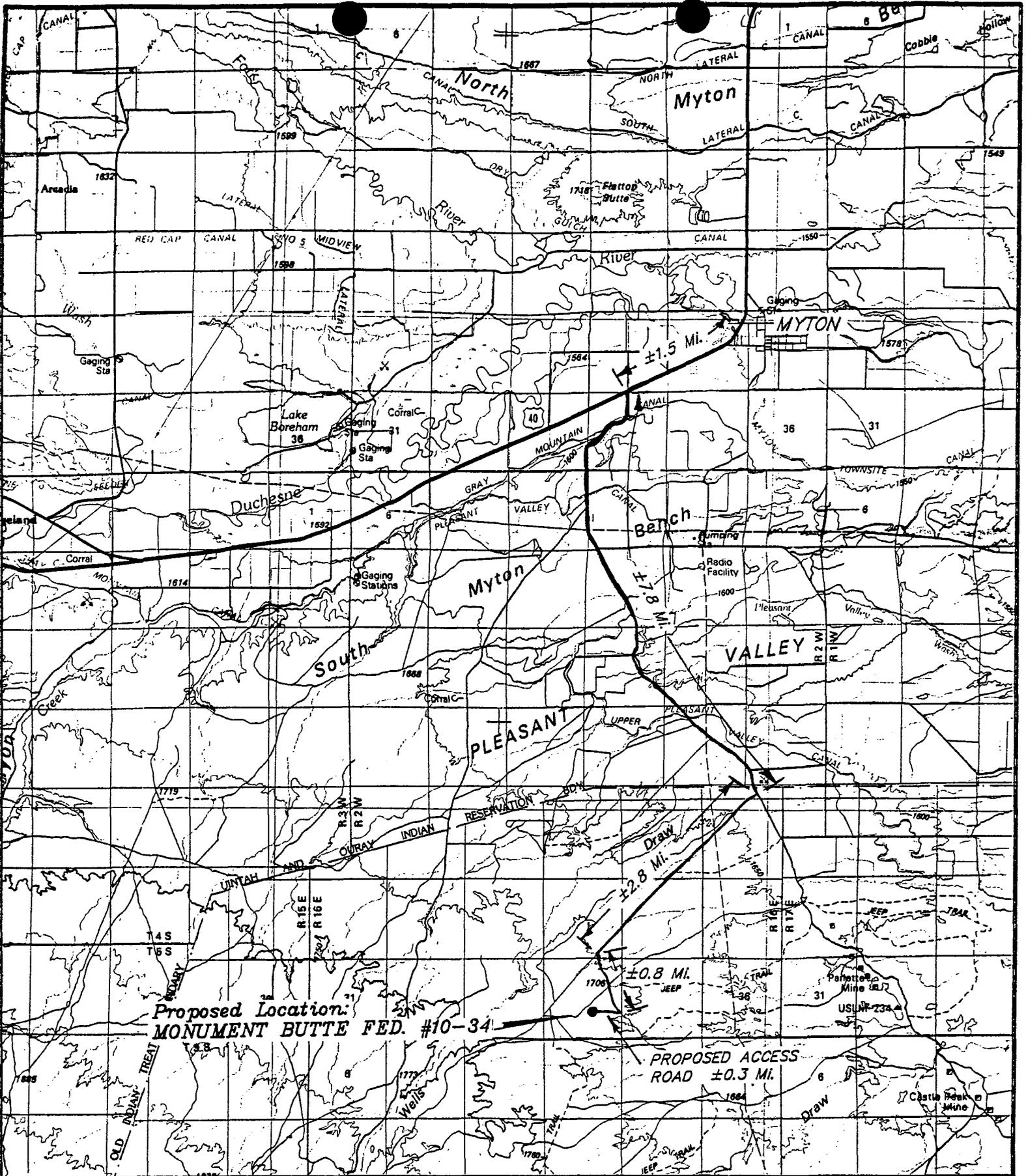
Certification

Please be advised that LOMAX EXPLORATION COMPANY is considered to be the operator of Well #10-34; NW/SE Section 34, Township 8S, Range 16E; Lease #U-16535, Unit #83688U6800; 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.

8-28-92  
Date

  
Brad Mecham  
Regional Production Manager



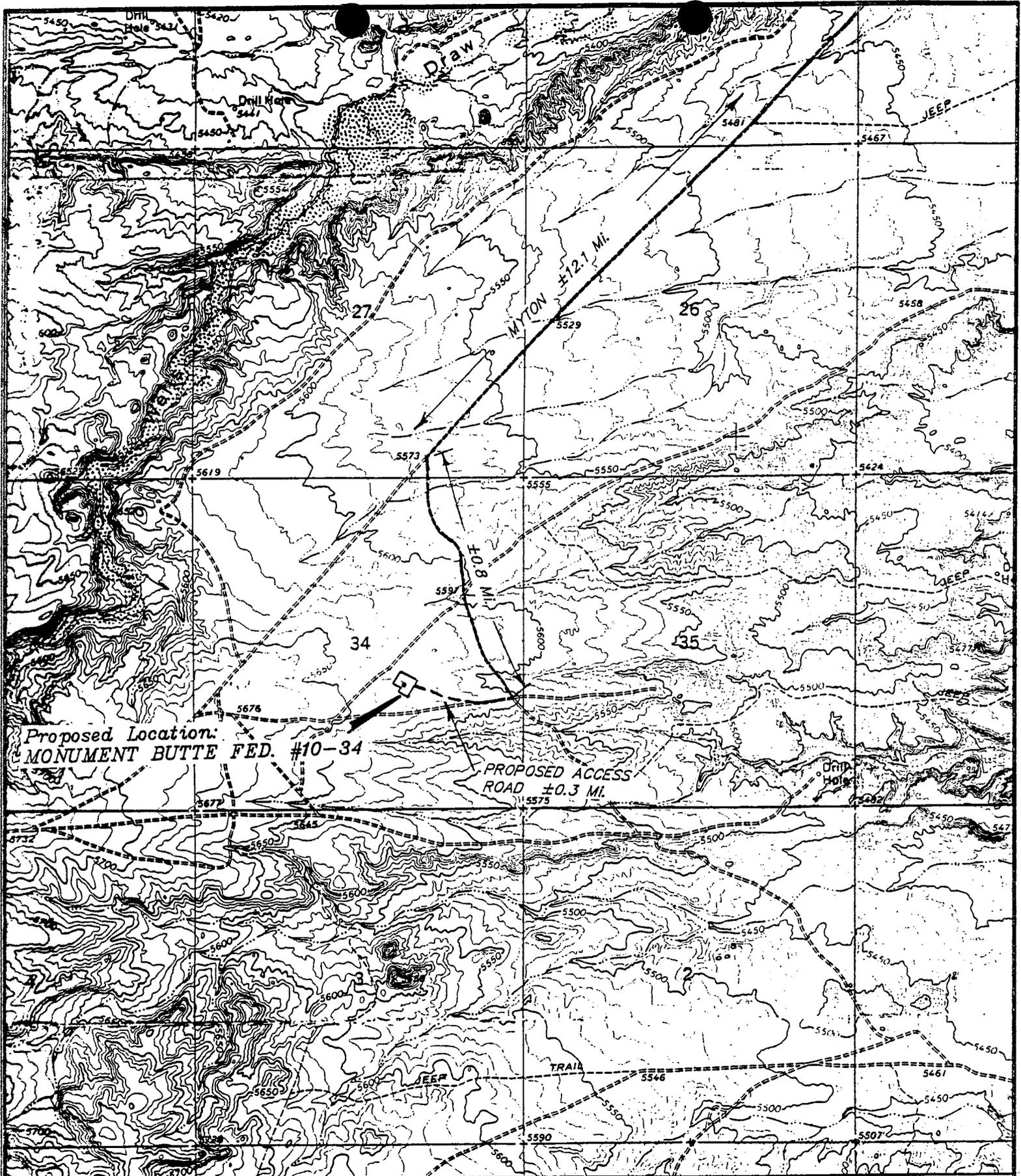
Proposed Location:  
**MONUMENT BUTTE FED. #10-34**

PROPOSED ACCESS  
 ROAD ±0.3 MI.

TOPOGRAPHIC  
 MAP "A"  
 DATE: 5-17-90



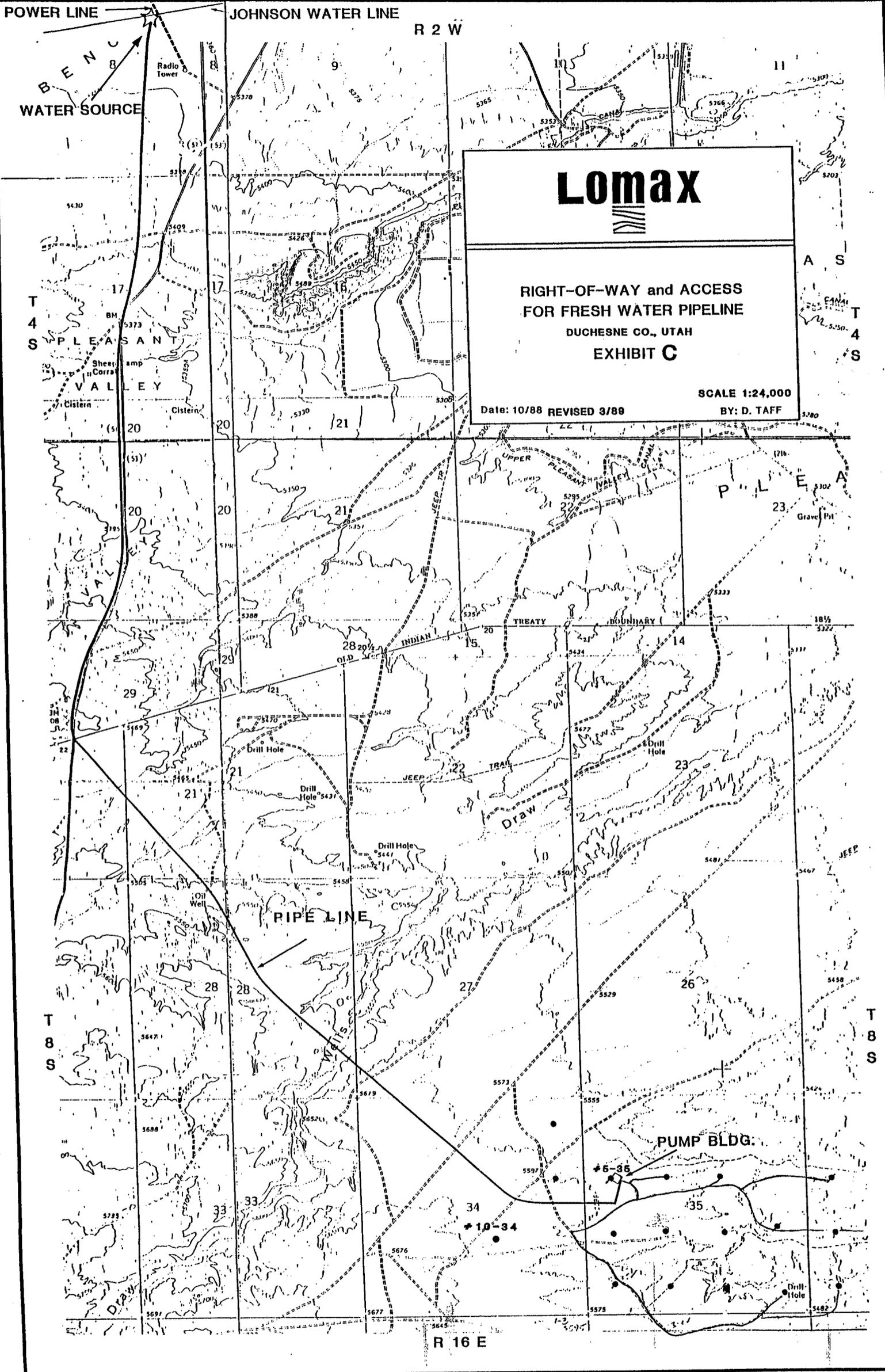
**LOMAX EXPLORATION CO.**  
 MONUMENT BUTTE FED. #10-34  
 SECTION 34, T8S, R16E, S.L.B.&M.



TOPOGRAPHIC  
 MAP "B"  
 SCALE: 1" = 2000'  
 DATE: 5-17-90



LOMAX EXPLORATION CO.  
 MONUMENT BUTTE FED. #10-34  
 SECTION 34, T8S, R16E, S.L.B.&M.



**Lomax**

**RIGHT-OF-WAY and ACCESS  
FOR FRESH WATER PIPELINE  
DUCHEсне CO., UTAH  
EXHIBIT C**

Date: 10/88 REVISED 3/89  
BY: D. TAFF

SCALE 1:24,000

POWER LINE  
WATER SOURCE

JOHNSON WATER LINE  
R 2 W

T 4 S  
PLEASANT VALLEY

A S  
T 4 S

T 8 S

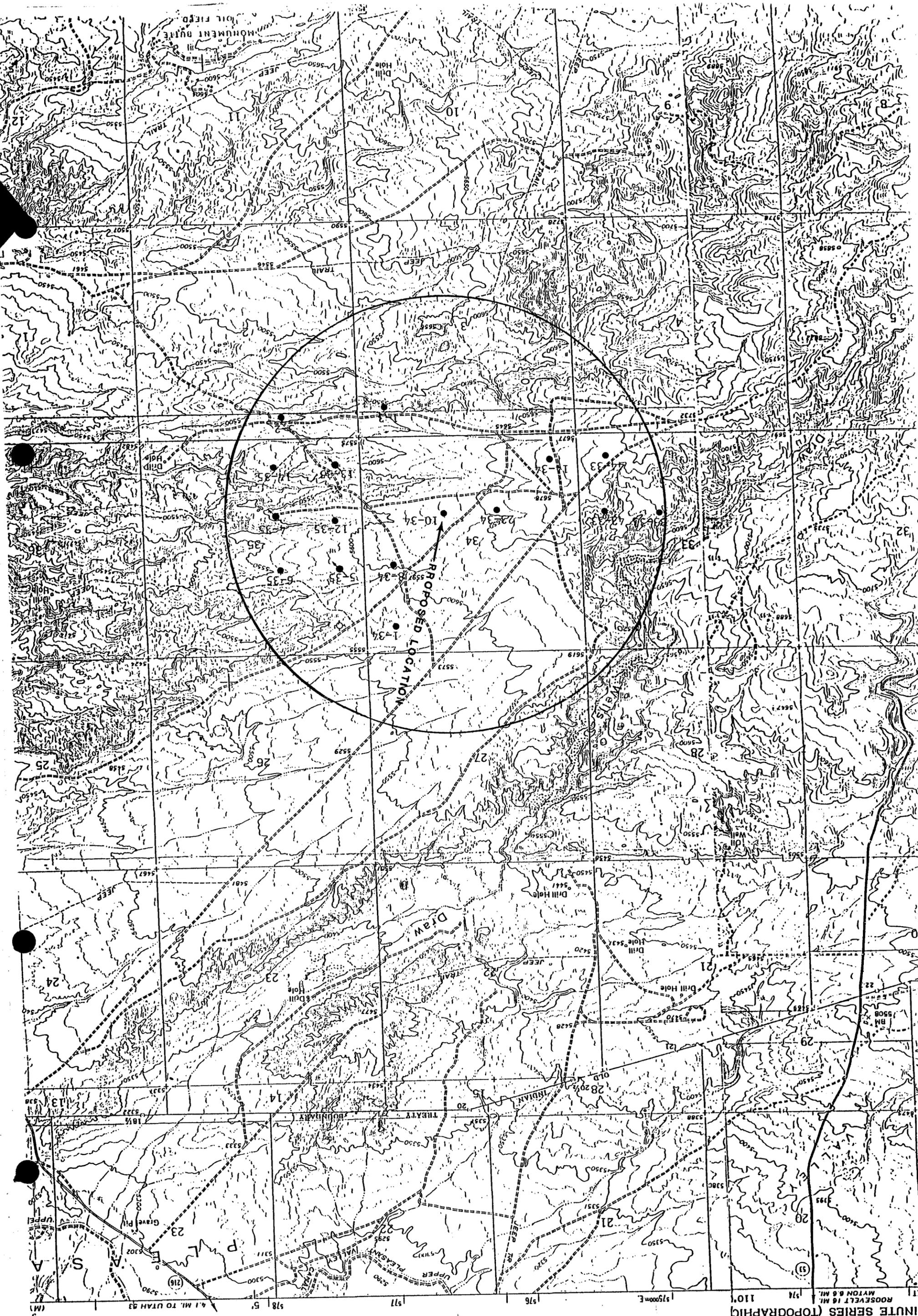
T 8 S

R 16 E

MONUMENT BUTTE FEDERAL #10-34

EXHIBIT "D"

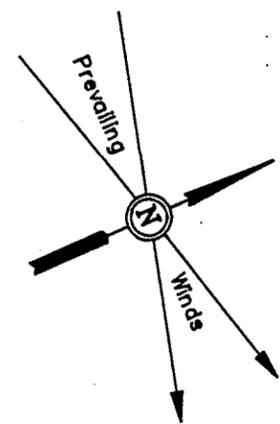
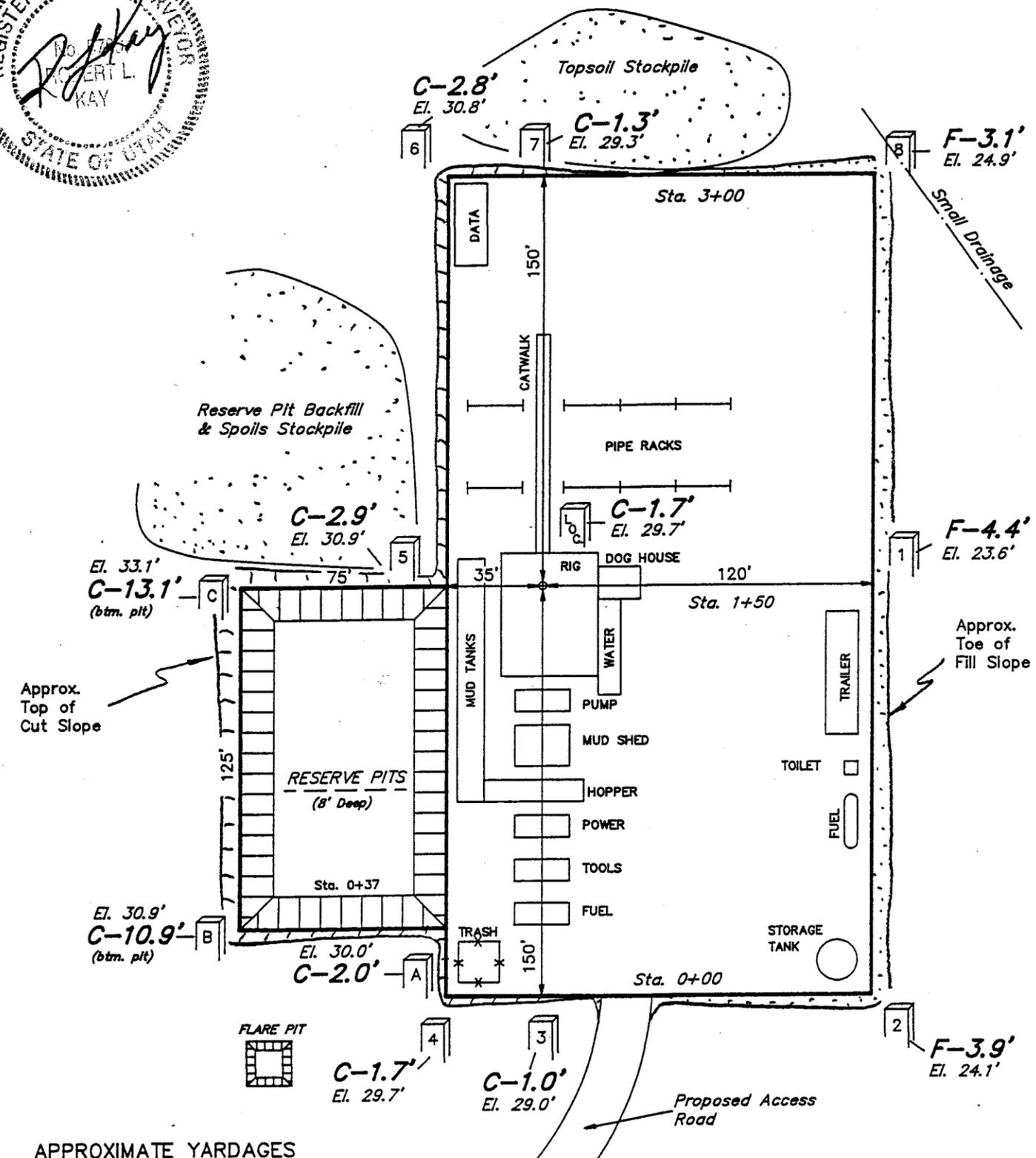
UTAH-SW QUADRANGLE  
UTAH-DUCHESSNE CO.  
INTE SERIES (TOPOGRAPHIC)  
ROOSEVELT 16 MI.  
MYTON 6.6 MI.



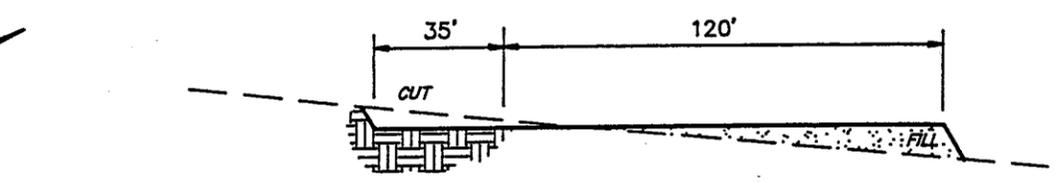


LOMAX EXPLORATION CO.  
 LOCATION LAYOUT FOR  
 MONUMENT BUTTE FED. #10-34  
 SECTION 34, T8S, R16E, S.L.B.&M.

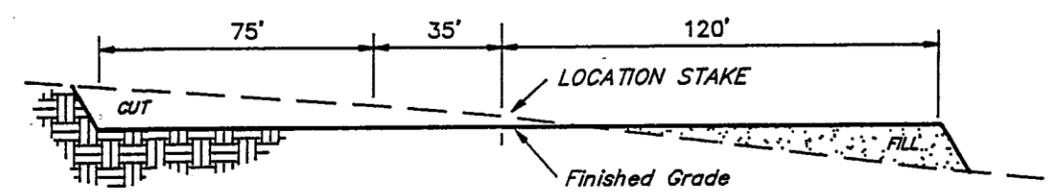
EXHIBIT E



SCALE: 1" = 50'  
 DATE: 8-14-92  
 Drawn By: J.L.G.

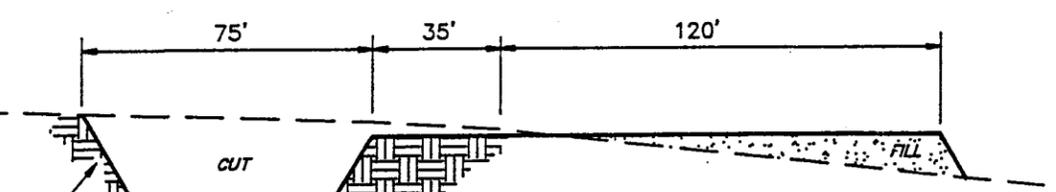


STA. 3+00

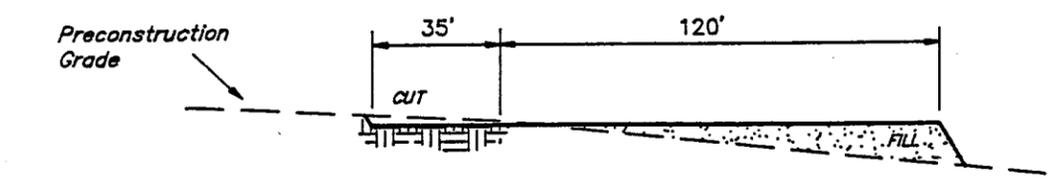


STA. 1+50

X-Section Scale  
 1" = 20'  
 1" = 50'



STA. 0+37



STA. 0+00

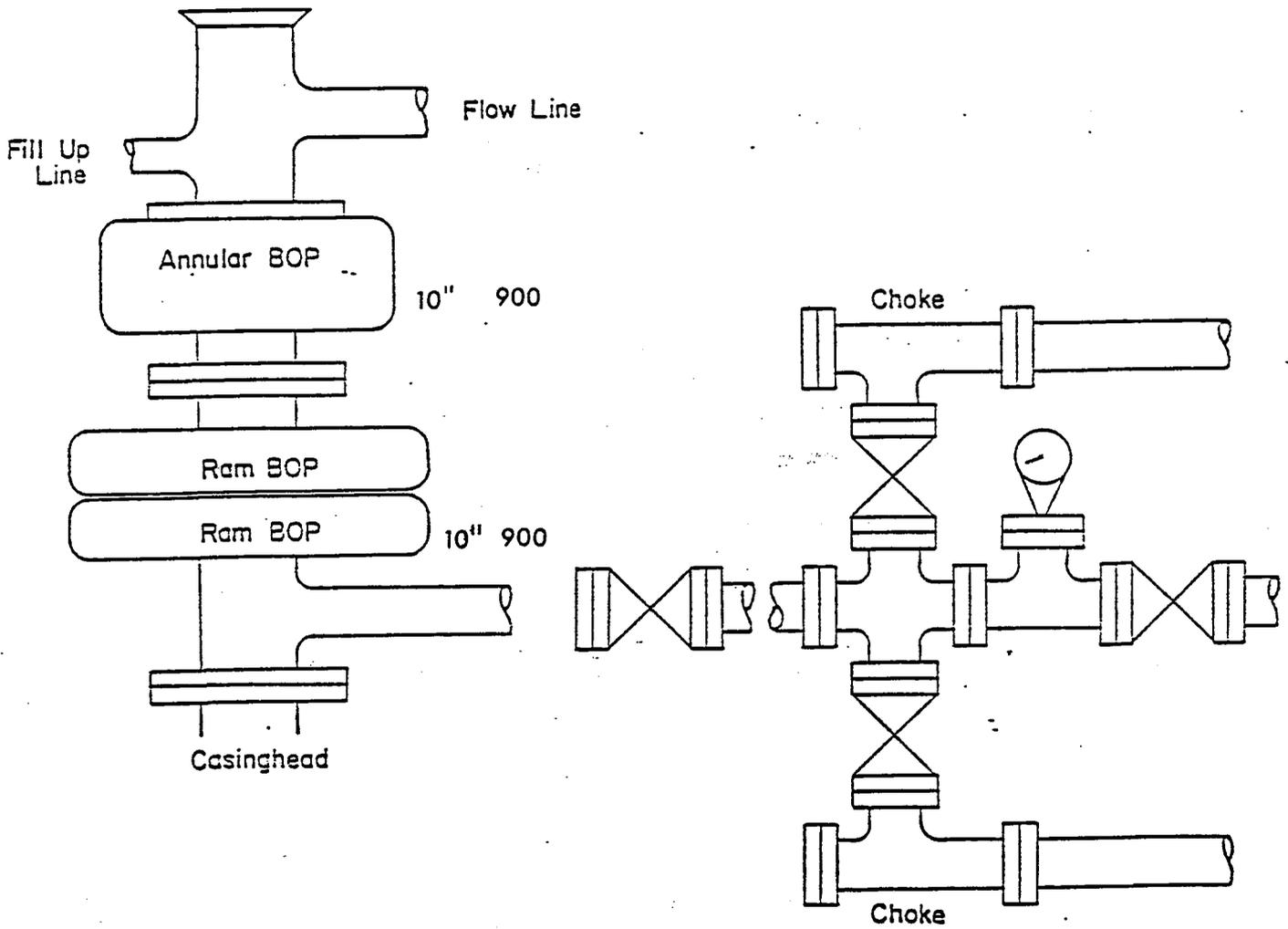
TYP. LOCATION LAYOUT  
 TYP. CROSS SECTIONS

Elev. Ungraded Ground at Location Stake = 5629.7'  
 Elev. Graded Ground at Location Stake = 5628.0'

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 1,030 Cu. Yds.	EXCESS MATERIAL AFTER 5% COMPACTION	= 2,090 Cu. Yds.
Remaining Location	= 3,850 Cu. Yds.	Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,090 Cu. Yds.
TOTAL CUT	= 4,880 CU.YDS.	EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.
FILL	= 2,650 CU.YDS.		

EXHIBIT F



ALL EQUIPMENT 3000 PSI OR HIGHER WORKING PRESSURE

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149

September 21, 1992



Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

**CONFIDENTIAL**

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

RE: Monument Federal #10-34  
NW/SE Sec. 34, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" report for notification of a change in drilling plans regarding the BOP specifications for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,



Brad Mechem  
Regional Production Manager

/ln  
GOVT\1034FDSN.LTR

Enclosure

**RECEIVED**

SEP 23 1992

DIVISION OF  
OIL, GAS & MINING

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-16535 Unit #83688U6800

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

7. If Unit or CA. Agreement Designation  
Monument Butte (Green River "D") Unit

8. Well Name and No.  
Monument Federal #10-34

9. API Well No.

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

Duchesne County, Utah

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Confidential Status

- 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.)\*

LOMAX EXPLORATION COMPANY requests that the Monument Federal #10-34 be placed on CONFIDENTIAL STATUS.

**RECEIVED**

SEP 23 1992

DIVISION OF  
OIL GAS & MINING

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

Signed Brad Medhan

Title Regional Production Manager

Date 9/21/92

(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

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

September 22, 1992

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

Gentlemen:

Re: Monument Federal #10-34 Well, 1980 feet from the south line, 1980 feet from the east line, NW 1/4 SE 1/4, Section 34, Township 8 South, Range 16 East, Duchesne County, Utah

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Submittal to the division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.

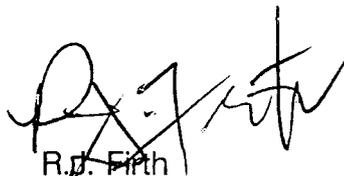
Page 2  
Lomax Exploration Company  
Monument Federal #10-34 Well  
September 22, 1992

6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

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

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31371.

Sincerely,



R.J. Firth  
Associate Director, Oil and Gas

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: LOMAX EXPLORATION 43-013-31371

WELL NAME: MONUMENT FEDERAL 10-34

Section 34 Township 8S Range 16E County DUCHESNE

Drilling Contractor CHANDLER

Rig # 7

SPUDDED: Date 10/1/92

Time 9:30 AM

How DRY HOLE

Drilling will commence 10/10/92

Reported by LUCI

Telephone # 1-722-5103

Date 10/1/92 SIGNED TAS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
U-16535 Unit #83688U6800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME Monument  
Butte (Green River "D") Unit

8. FARM OR LEASE NAME  
Monument Federal

9. WELL NO.  
#10-34

10. FIELD AND POOL OR WILDCAT  
Monument Butte

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Section 34, T8S, R16E

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
LOMAX EXPLORATION COMPANY

3. ADDRESS OF OPERATOR 801-722-5103  
P.O. Box 1446, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
1980 FSL 1980 FEL NW/SE  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
14 miles south of Myton, Utah

13. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1980'  
16. NO. OF ACRES IN LEASE 1280'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'  
19. PROPOSED DEPTH 6400'

21. ELEVATIONS (Show whether DF, RT, GH, etc.)  
5628.2 GR

17. NO. OF ACRES ASSIGNED TO THIS WELL 40  
20. ROTARY OR CABLE TOOLS Rotary  
22. APPROX. DATE WORK WILL START\* October, 1992

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'	216 sx Class "G" + 2% CaCl <sub>2</sub>
7-7/8"	5-1/2"	17#	TD	616 sx Hilift followed by 529 sx Class "G" w/2% CaCl <sub>2</sub>

RECEIVED  
OCT 05 1992  
DIVISION OF OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Brad Mecham TITLE Regional Production Mgr. DATE 8-28-92  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE SEP 29 1992  
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL  
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Lomax Exploration Company

Well Name & Number: 10-34

Lease Number: U-16535

Location: NWSE Sec. 34 T. 8S R. 16E

Surface Ownership: Federal Lands administered by BLM

**NOTIFICATION REQUIREMENTS**

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

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

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

### A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

The 3000# pressure rated BOP that was identified and the related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

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

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.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by either having a cement top for the production casing at least 200 ft. above the base of the usable water, identified at  $\pm 643$  ft. or by setting surface casing to  $\pm 650$  ft. and having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at  $\pm 3,097$  ft.

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.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

At a minimum, the Dual Lateral Log will be run from total depth to the base of the surface casing.

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 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform

with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

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

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

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

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

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

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

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka      (801) 781-1190  
Petroleum Engineer

Ed Forsman              (801) 789-7077  
Petroleum Engineer

BLM FAX Machine      (801) 789-3634

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

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

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

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

Refinery wastes

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

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**B. SURFACE USE PROGRAM**

**1. Planned Access Roads**

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at intervals as needed by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

**2. Additional Surface Stipulations**

A silt catchment dam and basin of approximately 1/4 to 1/2 acre foot capacity will be constructed according to BLM specifications in the drainage down stream and north from the wellhead.

MINIMUM STANDARDS FOR DAMS IMPOUNDING UNDER 10 AC. FT.

- I. Site Location and Design
  - A. Authorized BLM personnel shall approve site location, fill material, foundation material, and spillway size and location.
  - B. Construction shall be per attached diagram.
  
- II. Borrow Areas
  - A. Borrow material shall be taken from within the reservoir basin below high water line whenever possible.
  - B. Vegetation, debris and topsoil shall be removed to a depth of 12 inches below natural ground line and deposited as directed.
  - C. Vegetation, debris and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line or spread on downstream side of dam.
  - D. Borrow areas above the high water line shall be contoured to blend into natural ground lines.
  
- III. Core Trench and Dam Foundation
  - A. A core trench shall be constructed 12 feet wide along the full length of the dam center line to a minimum depth of 3 feet or bedrock.
  - B. Sides of the core trench shall be no steeper than 1:1 slope.
  
- IV. Dam and Core Fill
  - A. Fill shall be homogeneous material, preferably of high impervious, compactable soils (such as high clay content soil free of organic material, sand or rock).
  - B. Lifts of fill shall not exceed 6 inches when compacted.
  - C. Fill shall be built up at a consistent rate the full length of the dam.
  - D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
  - E. Downstream side of the dam shall be no steeper than 2:1 slope. Upstream side of the dam shall be no steeper than 3:1 slope.
  - F. Top of the dam shall be a minimum of 12 feet wide.
  - G. Maximum water depth against the dam shall be 10 feet when constructed with a crawler tractor.
  
- V. Spillway
  - A. Spillway shall be constructed through natural material.
  - B. Spillway shall be constructed to divert overflow away from fill material or natural material that is an integral part of the dam.
  - C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.
  - D. Construct spillway so there is a minimum of 3 feet of freeboard on the dam.

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

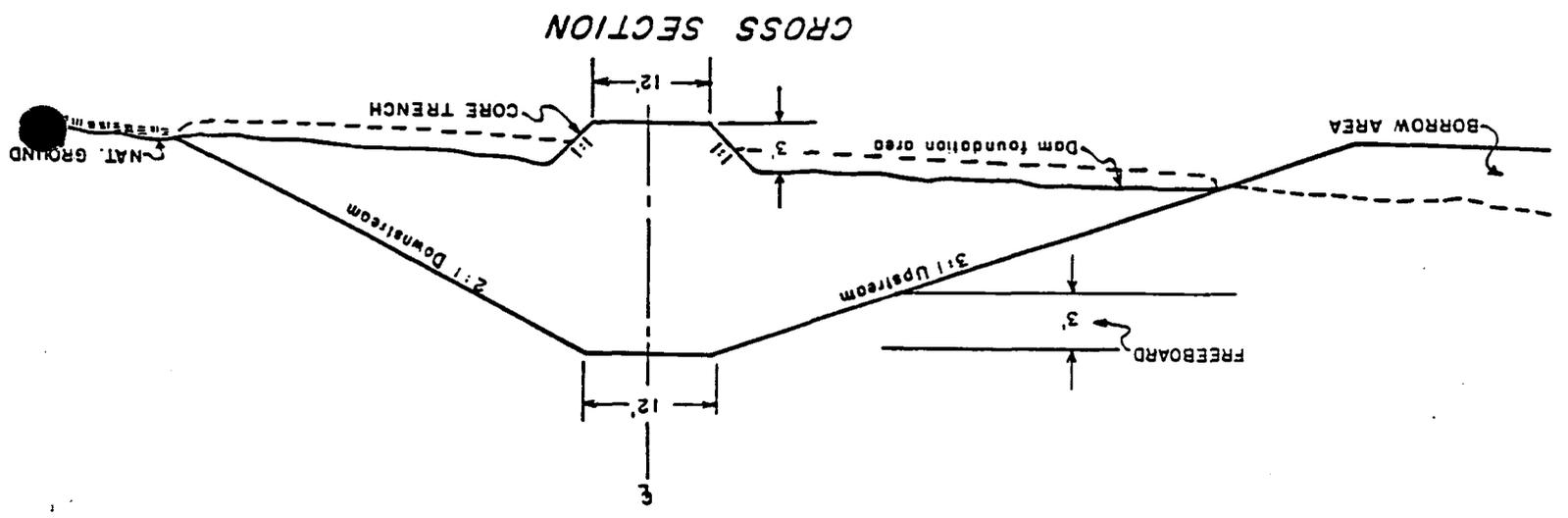
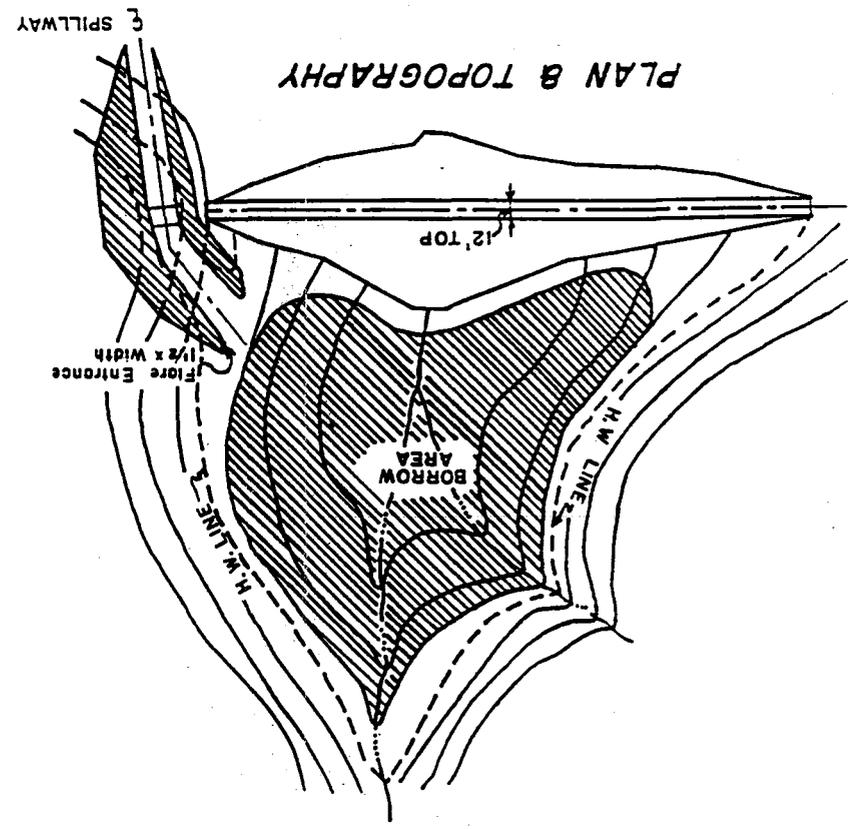
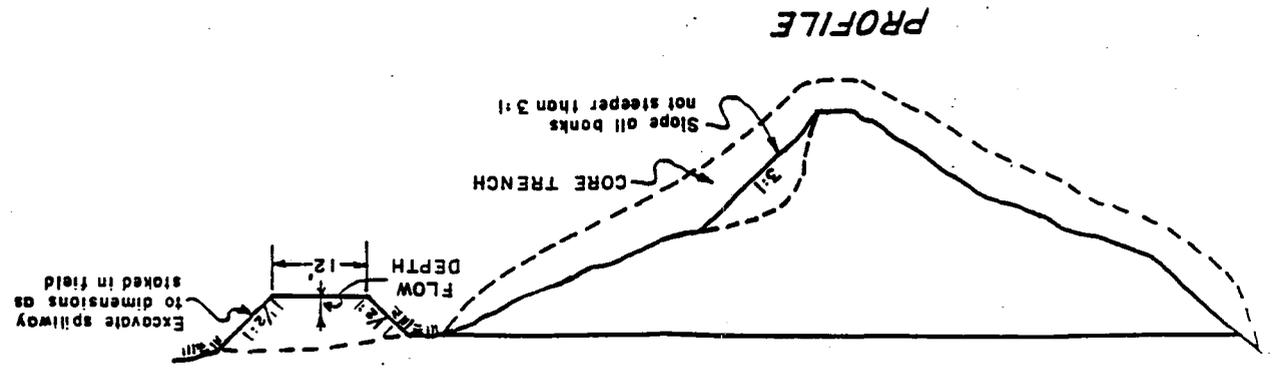
### RETENTION DAM TYPICAL PLAN & SECTION

DESIGNED	RECOMM.
DRAWN	RECOMM.
CHECKED	APPROVED

CHIEF, DIV. OF ENG.

SCALE NOT TO SCALE

DATE \_\_\_\_\_ SHEET 1 OF 1



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-16535 Unit #83688U6800

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

7. If Unit or CA, Agreement Designation  
Monument Butte (Green River "D") Unit

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
Monument Federal #10-34

2. Name of Operator  
LOMAX EXPLORATION COMPANY

9. API Well No.  
43-013-31371

3. Address and Telephone No. 801-722-5103  
P.O. Box 1446 W. Poleline Rd. Roosevelt, UT 84066

10. Field and Pool, or Exploratory Area  
Monument Butte

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

11. County or Parish, State

1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

Duchesne County, Utah

**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 Spud
- 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.)\*

Lomax Exploration Company reports the Monument Federal #10-34 was spudded @ 9:30 A.M. on 10/1/92. A 12-1/4" hole was drilled to 310' & 305' of 8-5/8" 24# J-55 casing was set and cemented to surface with 216 sks of Class "G" + 2% CaCl<sub>2</sub> cement. Bumped plug to 550# - held.

Chandler Drilling Rig #7 will move on approximately 10/25/92.

**RECEIVED**

OCT 07 1992

DIVISION OF  
OIL GAS & MINING

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

Signed Bruce McEachern

Title Regional Production Manager

Date 10/5/92

(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

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149

October 5, 1992



Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

RE: Monument Federal #10-34  
NW/SE Sec. 34, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" report of spudding for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Brad Mechem".

Brad Mechem  
Regional Production Manager

/ln  
GOVT\1034FDSN.LTR

Enclosure

RECEIVED

OCT 07 1992

DIVISION OF  
OIL GAS & MINING

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



October 8, 1992

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

Attention: Lisha Romero

RE: **Entity Action Form**  
**Monument Federal #10-34**  
NW/SE Section 34, T8S, R16E  
Monument Butte (Green River  
"D") Unit, Duchesne Co., UT

**Travis Federal #14A-28**  
SE/SW Section 28, T8S, R16E  
Travis Unit  
Duchesne County, Utah

Dear Lisha,

Enclosed is a completed "Entity Action Form" for the Monument Federal #10-34 and the Travis Federal #14A-28 wells.

If you have any questions please feel free to contact me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Lucy Nemec".  
Lucy Nemec

/ln  
GOVT/ENTITY.LTR

Enclosure

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OCT 13 1992

DIVISION OF  
OIL, GAS & MINING

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	10835	43-013-31371	Monument Federal #10-34	NW/SE	34	8S	16E	Duchesne	10/1/92	10/1/92

WELL 1 COMMENTS:  
 This well is part of the Monument Butte (Green River "D") Unit

B	99999	10628	43-013-31372	Travis Federal #14A-28	SE/SW	28	8S	16E	Duchesne	10/5/92	10/5/92
---	-------	-------	--------------	------------------------	-------	----	----	-----	----------	---------	---------

WELL 2 COMMENTS:  
 This well is part of the Travis Unit

--	--	--	--	--	--	--	--	--	--	--	--

WELL 3 COMMENTS: *Entities added 10-14-92. JH*

--	--	--	--	--	--	--	--	--	--	--	--

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.

(3/1)

**RECEIVED**

OCT 13 1992

DIVISION OF  
 OIL, GAS & MINING

*Lucy Nemer*  
 Signature  
 Secretary  
 Title  
 Date 10/8/92  
 Phone No. (801) 722-5103

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149

CONFIDENTIAL



November 6, 1992

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

RECEIVED BU  
NOV 09 1992  
DIVISION OF  
OIL, GAS & MINING

RE: Monument Federal #10-34  
NW/SE Sec. 34, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" weekly status report of 10/29 - 11/5/92 for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Brad Mecham".

Brad Mecham  
Regional Production Manager

/ln  
GOVT\1034FDSN.LTR

Enclosure

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-16535 Unit #83688U6800  
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
LOMAX EXPLORATION COMPANY

3. Address and Telephone No. 801-722-5103

P.O. Box 1446 W. Poleline Rd. Roosevelt, UT 84066

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

1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

7. If Unit or CA, Agreement Designation  
Monument Butte (Green River "D") Unit

8. Well Name and No.  
Monument Federal #10-34

9. API Well No.  
43-013-31371

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 Weekly Status  
 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.)\*

10/29/92 - Move in & rig up Chandler Drilling Rig #7. Test BOP's & equipment. Drill through cement.

10/30 - 11/5/92 - Drilling. Present depth 5228'.

RECEIVED

NOV 09 1992

DIVISION OF  
OIL GAS & MINING

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

Signed [Signature] Title Regional Production Manager Date 11/6/92

(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

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149

RECEIVED

NOV 16 1992

DIVISION OF  
OIL GAS & MINING



November 13, 1992

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

RE: Monument Federal #10-34  
NW/SE Sec. 34, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" weekly status report of 11/6 - 11/10/92 and cementing of 5-1/2" casing for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Brad Mecham".

Brad Mecham  
Regional Production Manager

/ln  
GOVT\1034FDSN.LTR

Enclosure

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-16535 Unit #83688U6800

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

NOV 18 1992

7. If Unit or CA, Agreement Designation  
Monument Butte (Green River "D") Unit

8. Well Name and No.  
Monument Federal #10-34

9. API Well No.  
43-013-31371

10. Field and Pool, or Exploratory Area  
Monument Butte

11. Country or Parish, State  
Duchesne County, Utah

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
LOMAX EXPLORATION COMPANY

3. Address and Telephone No. 801-722-5103

P.O. Box 1446 W. Poleline Rd. Roosevelt, UT 84066

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

1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

DIVISION OF  
OIL, GAS & MINING

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

5-1/2" Casing.

(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.)\*

11/6/92 - Drilling. TD @ 6400'.

11/7 - 11/8 - Logging w/Schlumberger & Numar.

11/9 - 11/10 - Ran 6400.33' of 5-1/2" J-55 17# casing. Set @ 6400'. Cement 5-1/2" casing with Dowell/Schlumberger as follows:

248 sks Hilift + additives 5% D-44  
428 sks 50/50 Poz/G + 2% D-20, 10% D-44  
Displace with water

Chandler Drilling Rig #7 was released @ 1:30 a.m. on 11/10/92.

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

Signed Bob Meekins

Title Regional Production Manager

Date 11/13/92

(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

**Lomax Exploration Company**

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



November 23, 1992

**RECEIVED**

NOV 30 1992

DIVISION OF  
OIL GAS & MINING

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

RE: Monument Federal #10-34  
NW/SE Sec. 34, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" weekly completion status report of 11/11 - 11/21/92 for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Lucy Nemec".  
Lucy Nemec

\LAN  
GOVT\1034FDSN.LTR

Enclosure

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-16535 Unit #83688U6800  
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

RECEIVED

NOV 30 1992

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
LOMAX EXPLORATION COMPANY

3. Address and Telephone No. 801-722-5103

P.O. Box 1446 W. Poleline Rd. Roosevelt, UT 84066

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

1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

7. If Unit or CA. Agreement Designation  
Monument Butte (Green River "D") Unit

8. Well Name and No.  
Monument Federal #10-34

9. API Well No.  
43-013-31371

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
<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.)

11/11/92 MI & RU B&B Well Service.  
11/12/92 Run CBL/VDL/GR from PBDT to 1150'. Found cement top @ 1354'.  
11/13-14/92 Test casing to 3000# - held. Perforate 5751'-64', 5917'-27', 5878'-82',  
5864'-67' w/4SPF. Frac w/Dowell/Schlumberger.  
11/15/92 Flow back.  
11/16/92 Perforate 5798'-5618' w/4 SPF. Breakdown & frac.  
11/17/92 Flow back.  
11/18/92 Perforate 5606'-17'. Breakdown & frac.  
11/19/92 Perforate 4996'-5000', 5002'-5008' w/4 SPF. Breakdown  
11/20/92 Flow back & run 18 hr. BHP bomb, Set @ 5000'.  
11/21/92 Frac 4996'-5008'.

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

Signed Laura Nemes  
(This space for Federal or State office use)

Title Clerk

Date 11/23/92

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

**Lomax Exploration Company**

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



December 7, 1992

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

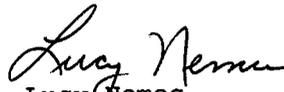
RE: Monument Federal #10-34  
NW/SE Sec. 34, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" weekly completion status report of 11/22 - 12/01/92 for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

  
Lucy Nemecek

\LAN  
GOVT\1034FDSN.LTR

Enclosure

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-16535 Unit #83688U6800

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
LOMAX EXPLORATION COMPANY

3. Address and Telephone No. 801-722-5103

P.O. Box 1446 W. Poleline Rd. Roosevelt, UT 84066

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

1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

7. If Unit or CA, Agreement Designation  
Monument Butte (Green River "D") Unit

8. Well Name and No.  
Monument Federal #10-34

9. API Well No.  
43-013-31371

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
<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.)\*

- 11/22 - 23/92 - Flow back 4996'-5008' after frac.
- 11/24/92 - Release BP @ 5850'.
- 11/25/92 - RIH w/BHA & 2-7/8" tbg set @ 5984.67'. Start hooking up production equipment.
- 11/26 - 12/1 - Installing production equipment. Put well on line.
- 11/28/92 - Release B&B Well Service.

**RECEIVED**

DEC 10 1992

DIVISION OF  
OIL GAS & MINING

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

Signed \_\_\_\_\_ Title Regional Production Manager Date 12/7/92

(This space for Federal or State office use)

Approved by Bra Medon 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

**Lomax Exploration Company**

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



December 7, 1992

RECEIVED

DEC 10 1992

DIVISION OF  
OIL GAS & MINING

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

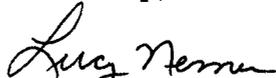
RE: Monument Federal #10-34  
NW/SE Sec. 34, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" on line notification for the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

  
Lucy Nemeč

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GOVT\1034FDSN.LTR

Enclosure

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-16535 Unit #83688U6800**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**LOMAX EXPLORATION COMPANY**

3. Address and Telephone No. **801-722-5103**  
**P.O. Box 1446 W. Poleline Rd. Roosevelt, UT 84066**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E**

7. If Unit or CA, Agreement Designation  
**Monument Butte (Green River "D") Unit**

8. Well Name and No.  
**Monument Federal #10-34**

9. API Well No.  
**43-013-31371**

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
<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>Well put on line</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.)\*

Lomax Exploration Company reports that the Monument Federal #10-34 was put on production at 12:00 p.m. on 11/26/92.

**RECEIVED**

DEC 10 1992

DIVISION OF  
OIL, GAS & MINING

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

Signed *B. J. McLean* Title Regional Production Manager Date 12/4/92

(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

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



RECEIVED

JAN 11 1993

DIVISION OF  
OIL GAS & MINING

December 29, 1992

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

RE: Monument Federal #10-34  
NW/NE Sec 34, T8S, R16E  
Monument Butte (Green River  
"D") Unit  
Duchesne County, Utah

Gentlemen:

Please find enclosed the completed "Well Completion Report and Log" form for the above referenced location. Also enclosed are two copies of the Litho Density Compensated Neutron Log, Array Induction Imager Log & the Formation Micro Imager Log.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Lucy Nemecek".  
Lucy Nemecek

/ln  
GOVT\FDCOMP.LTR

Enclosures

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-16535 Unit #83688U6800  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME Monument  
Butte (Green River "D") Unit

8. FARM OR LEASE NAME

Monument Federal

9. WELL NO.

#10-34

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Section 34, T8S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

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

2. NAME OF OPERATOR

LOMAX EXPLORATION COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 1446 W. Poleline Rd., Roosevelt, UT DIVISION OF

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

At surface 1980' FSL 1980' FEL NW/SE

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-013-31371

DATE ISSUED

9/22/92

15. DATE SPUDDED

10/1/92

16. DATE T.D. REACHED

11/6/92

17. DATE COMPL. (Ready to prod.)

11/26/92

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5628' GR

19. ELEV. CASINGHEAD

5640' KB

20. TOTAL DEPTH, MD & TVD

6407'

21. PLUG, BACK T.D., MD & TVD

6345'

22. IF MULTIPLE COMPL., HOW MANY\*

4

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

XX

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5864-5964, 5798-5816, 5506-17, 4996-5008 GRRV

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN Litho Density Comp Neutron, Array Induction

Imager, Formation Mirco Imager, Mechanical Sidewall Coring, Cement Bond

27. WAS WELL CORED

Sidewall Cores

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#	304.87'	12-1/4"	216 sks "G" + 2% CaCl <sub>2</sub>	
5-1/2"	17#	6400.06	7-7/8"	348 sks Hilift + additives	5% D-44
				428 sks Poz/G + 2% D-20, 10% D-44	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5985'	

31. PERFORATION RECORD (Interval, size and number)

4" gun .45 dia. 4 SPF

Interval	Shots	Interval	Shots
5951'-64'	52	5798'-5816'	72
5917'-27'	40	5506'-17'	44
5878'-82'	16	5002'-08'	24
5864'-67'	13	4996'-5000'	16

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5864-5964	46,000 gals gel, 109,000# 16/30 sd
5798-5816	28,125 gals gel, 75,000# 16/30 sd
5506-5517	24,500 gals gel, 60,430# 16/30 sd
4996-5008	10,750 gals gel, 28,500# 16/30 sd

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
11/26/92	Pumping	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/92	24		→	68	93	24	
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 & fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Litho Density Comp Neutron Log, Array Induction Imager Log, Formation Micro Imager Log

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

SIGNED

*[Signature]*

TITLE

Regional Prod. Manager

DATE

12/29/92

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

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

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch	3952'					
Douglas Creek	4962'					
D-1 Sand	4986'					
B Limestone	5334'					
Castle Peak LS	5872'					
Basal Green						
River LS	6278'					

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149

RECEIVED

FEB 24 1993

DIVISION OF  
OIL GAS & MINING



February 22, 1993

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

Attention: Vicky Carney

43 013 31371  
RE: **Monument Federal #10-34**  
NW/SE Sec. 34, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne Co., Utah

Dear Ms. Carney:

Please find enclosed a copy of the Cement Bond Log you requested for the above referenced location. The Mechanical Sidewall Coring Log was run only as a monitor for the Schlumberger tool. According to Schlumberger it does not provide any pertinent information about the well and copies are not available. Sidewall cores were taken and a copy of the Routine Core Analysis has been sent to your office.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

  
Lucy Nemeec

\LAN  
GOVT\10-34ST.LTR

Enclosure

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

April 8, 1993

RECEIVED

APR 13 1993

DIVISION OF  
OIL, GAS & MINING

RE: Monument Federal #8-34  
Monument Federal #10-34  
Monument Federal #8-35  
Sec. 34 & 35, T8S, R16E  
Monument Butte (Green River "D")  
Unit, Duchesne County, Utah

Gentlemen:

Please find enclosed the "Sundry Notices and Reports on Wells" reports to dispose of produced water for the above referenced locations.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Lucy Nemecek".

Lucy Nemecek  
Engineering Secretary

VLAN  
GOVT\WTRFDSN.LTR

Enclosures

**CONFIDENTIAL RECEIVED**

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APR 13 1993

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

**DIVISION OF  
SUNDRY NOTICES AND REPORTS ON WELLS, OIL, GAS & MINING**

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-16535 Unit #83688U680

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

7. If Unit or CA, Agreement Designation  
Monument Butte (Green River "D") Unit

8. Well Name and No.  
Monument Federal #10-34

9. API Well No.  
43-013-31371

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne County, Utah

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
LOMAX EXPLORATION COMPANY 801-722-5103

3. Address and Telephone No.  
P.O. Box 1446, Roosevelt, UT 84066

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input 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 checked="" 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.)\*

Lomax Exploration Company reports that produced water from the above referenced location is being produced into a water tank and hauled to our water injection station at the #5-35 located in Section 35, T8S, R16E, Duchesne County or to the approved disposal facilities of Hansen Disposal or RNI.

However, Lomax requests approval for a pit 15' x 15' to drain water into that inadvertently goes to the oil tank and needs to be drained off. The amount of water drained will not exceed 5 bbls /day.

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

Date: 4-30-93

By: [Signature]

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

Signed [Signature] Title Regional Production Manager Date 4/8/93

(This space for Federal or State office use)

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

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

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



July 23, 1993

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attention: Ed Forsman

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

RE: Monument Butte Federal #10-34  
NW/SE Section 34, T8S, R16E  
Monument Butte (Green River "D") Unit  
Duchesne County, UT

Gentlemen:

Please find enclosed the "Sundry Notice and Report" request for approval to install a water drainage tank on the above referenced location.

If you should have any questions, please don't hesitate to call me in the Roosevelt office at 801-722-5103.

Sincerely,

A handwritten signature in cursive script that reads "Lucy Nemeč".

Lucy Nemeč  
Engineering Secretary

Vn  
GOVT\FDSN.LTR

Enclosure

**RECEIVED**

JUL 26 1993

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

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-16535 Unit #83688U6800

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Lomax Exploration Company

Address and Telephone No. 801-722-5103

P.O. Box 1446, Roosevelt, UT 84066

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

1980' FSL 1980' FEL NW/SE Section 34, T8S, R16E

7. If Unit or C.A. Agreement Designation

Monument Butte (Green River "D") Unit

8. Well Name and No.

Monument Federal #10-34

9. API Well No.

43-013-31371

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Water Tank

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.)\*

Lomax Exploration Company requests approval to install a 200 bbl fully enclosed water drainage tank for the purpose of collecting production water. It will be set approximately 5' below ground level to allow production tank water drains. Water will either be trucked to our approved injection facility located at the 5-35 in T8S, R16E, Section 35, or to a state approved disposal pit.

Accepted by                      State  
of Utah Division of  
Oil, Gas & Mining  
Date: 7-28-93  
By: [Signature]

**RECEIVED**

JUL 26 1993

DIVISION OF  
OIL, GAS & MINING

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

Signed [Signature]

Title Regional Production MGR.

Date 7/23/93

(This space for Federal or State office use)

Approved by Federal Approval of this  
Conditions of approval, if any: Action is Necessary

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

Lomax Exploration Company

P.O. Box 1446  
Roosevelt, Utah 84066  
(801) 722-5103  
FAX (801) 722-9149



Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Attn: Bill Owens

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

January 6, 1994

RECEIVED

JAN 10 1994

DIVISION OF  
OIL & MINING

MONUMENT BUTTE FEDERAL #6-35  
SW/NW SEC. 35, T8S, R16E

MONUMENT BUTTE FEDERAL #10-34  
NW/SE SEC. 34, T8S, R16E 43-013-31371

Gentlemen:

Please find enclosed for the above referenced wells new site security diagrams. Both of these wells are in our Monument Butte Green River Unit.

Please don't hesitate to contact Brad Mecham or myself if you have any questions or require additional information.

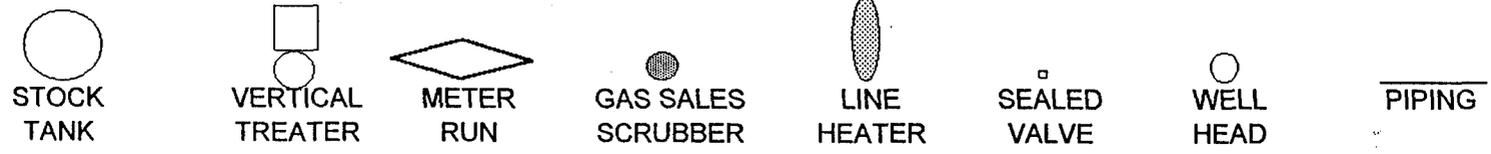
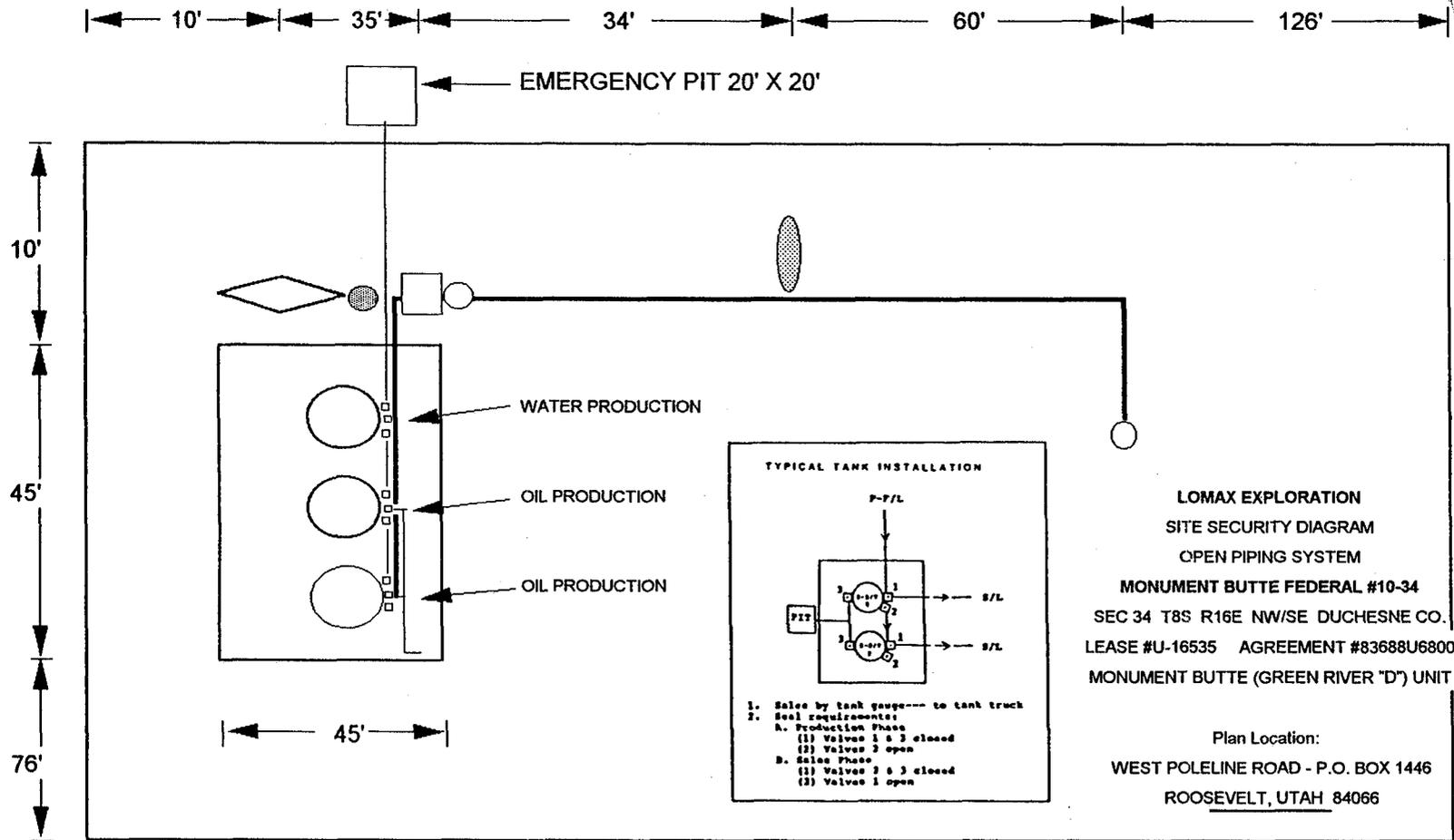
Sincerely,

  
Kelli S. Jones  
Production Secretary

Enclosures

/kj

**SECRET**  
 JAN 1 0 1994



**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

KEBBIE JONES  
 LOMAX EXPLORATION COMPANY  
 PO BOX 1446  
 ROOSEVELT UT 84066

UTAH ACCOUNT NUMBER: N0580

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
<input checked="" type="checkbox"/>	FEDERAL 10-35							
4301330801	10835	08S 16E 35	GRRV			116535		
<input checked="" type="checkbox"/>	FEDERAL 1-34					"		
4301330808	10835	08S 16E 34	GRRV			"		
<input checked="" type="checkbox"/>	FEDERAL 14-35					"		
4301330812	10835	08S 16E 35	GRRV			"		
<input checked="" type="checkbox"/>	MONUMENT FEDERAL 8-35					"		
4301331263	10835	08S 16E 35	GRRV			"		
<input checked="" type="checkbox"/>	MONUMENT FEDERAL 10-34					"		
4301331371	10835	08S 16E 34	GRRV			"		
<input checked="" type="checkbox"/>	MONUMENT FEDERAL 9-34					"		
4301331407	10835	08S 16E 34	GRRV			"		
<input checked="" type="checkbox"/>	MONUMENT FED 2A-35					"		
4301331437	10835	08S 16E 35	GRRV			"		
<input checked="" type="checkbox"/>	MONUMENT FEDERAL 7-34					"		
4301331471	10835	08S 16E 34	GRRV			"		
<input checked="" type="checkbox"/>	BOUNDARY FED 5-21							
4301330822	11162	08S 17E 21	GRRV			150376		
<input checked="" type="checkbox"/>	STATE 1-32							
4301330599	11486	08S 17E 32	GRRV			ML22060		
<input checked="" type="checkbox"/>	GILSONITE STATE 2-32							
4301330604	11486	08S 17E 32	GRRV			ML22060		
<input checked="" type="checkbox"/>	STATE 11-32					"		
4301330685	11486	08S 17E 32	GRRV			"		
<input checked="" type="checkbox"/>	STATE 1A-32					"		
4301330691	11486	08S 17E 32	GRRV			"		
<b>TOTALS</b>								

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

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

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

**Lomax Exploration Company**

A subsidiary of Inland Resources Inc.



July 13, 1995

State of Utah Department of Natural Resources  
Attention: Ms Becky Pritchett  
355 W. North Temple  
3 Triad Center, Suite 400  
Salt Lake City, Utah 84180-1204

RE: **Corporate Name Change**

Dear Sir or Madame:

Effective July 1, 1995, Lomax Exploration Company will have taken the steps necessary to change its name to **Inland Production Company**. A Certificate issued by the Texas Secretary of State evidencing the name change is attached for your files. We have also attached to this letter those Utah State leases (Exhibit "B") and wells (Exhibit "A") affected by this name change. We have attempted to provide a complete list from the records we have. The intent is to include all leases and wells that Lomax Exploration Company operates or has an interest in.

Riders changing the Principal from Lomax Exploration Company to Inland Production Company under Nationwide Oil and Gas Bond # 4488944 for Lomax Exploration Company will be furnished to the State of Utah in the very near future.

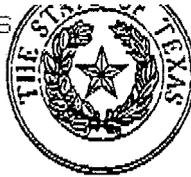
Please amend your records by substituting Inland Production Company in place of Lomax Exploration Company on the leases and wells listed on the attached exhibits. In the future we will begin submitting notices and permits for new operations after July 1, 1995 in the name of Inland Production Company.

Should a fee be required or should you need further information or documents relating to our name change please contact the undersigned at your convenience at the following number: (303) 292-0900 or Cheryl Cameron at our Roosevelt, Utah office (801) 722-5103.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Chris A. Potter".

Chris A Potter, CPL  
Manager of Land



# The State of Texas

Secretary of State  
JUNE 30, 1995

MIKE PARSONS...GLAST, PHILLIPS & MURRAY  
2200 ONE GALLERIA TWR, 13355 NOEL RD, LB48  
DALLAS, TX 75240-6657

RE:  
INLAND PRODUCTION COMPANY  
CHARTER NUMBER 00415304-00

IT HAS BEEN OUR PLEASURE TO APPROVE AND PLACE ON RECORD YOUR ARTICLES OF AMENDMENT. A COPY OF THE INSTRUMENT FILED IN THIS OFFICE IS ATTACHED FOR YOUR RECORDS.

THIS LETTER WILL ACKNOWLEDGE PAYMENT OF THE FILING FEE.

IF WE CAN BE OF FURTHER SERVICE AT ANY TIME, PLEASE LET US KNOW.

VERY TRULY YOURS,



  
Antonio O. Garza, Jr., Secretary of State



# The State of Texas

## Secretary of State

CERTIFICATE OF AMENDMENT

FDR

INLAND PRODUCTION COMPANY

FORMERLY

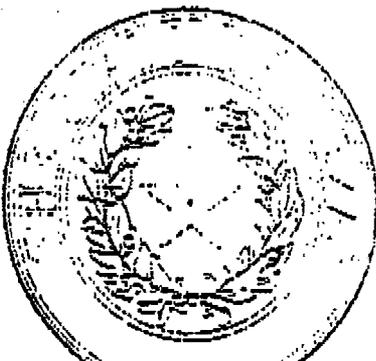
LOMAX EXPLORATION COMPANY  
CHARTER NUMBER 00415304

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS, HEREBY CERTIFIES THAT THE ATTACHED ARTICLES OF AMENDMENT FOR THE ABOVE NAMED ENTITY HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SECRETARY OF STATE, AND BY VIRTUE OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS CERTIFICATE OF AMENDMENT.

DATED JUNE 29, 1995

EFFECTIVE JUNE 29, 1995



  
Antonio O. Garza, Jr., Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
LOMAX EXPLORATION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

JUN 29 1995

Corporations Section

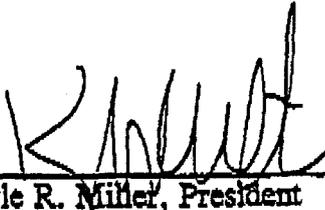
Pursuant to the provisions of Part Four of the Texas Business Corporation Act, the undersigned corporation adopts the following articles of amendment to its Articles of Incorporation:

1. Name. The name of the corporation is LOMAX EXPLORATION COMPANY.
2. Statement of Amendment. The amendment alters or changes Article One of the original Articles of Incorporation to read in full as follows:

"Article One. The name of the corporation is INLAND PRODUCTION COMPANY."

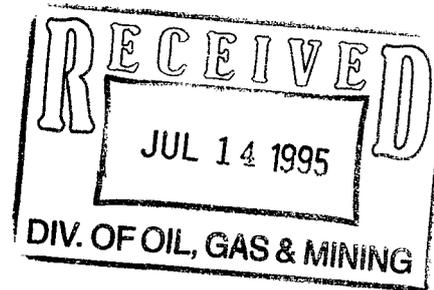
3. Shareholders. The number of shares of the corporation outstanding at the time of such adoption was 205,315, there being 107,546 Common Shares and 97,769 Non-voting Preferred Shares; and the number of shares entitled to vote thereon was 107,546.
4. Adoption by Shareholders. Only the holders of Common Shares of the corporation are entitled to vote on the amendment. The shareholders adopted the foregoing amendment by unanimous written consent dated June 23, 1995, pursuant to the provisions of Article 9.10 of the Texas Business Corporation Act and, therefore, no notice was required to be delivered under said Article 9.10.
5. Adoption by Board of Directors. The Board of Directors adopted said amendment by a consent in writing signed by all Directors.
6. Future Effective Date. This amendment will become effective on July 1, 1995, at 12:01 a.m.

EXECUTED June 26, 1995.

  
\_\_\_\_\_  
Kyle R. Miller, President

Lomax Exploration Company

A subsidiary of Inland Resources Inc.



*Announcing*  
*Our Name Change*

*From*

**Lomax Exploration Company**

*To*

**Inland Production  
Company**

*\* N 5160 assigned 7/26/95. Lee*

*Field And Corporate Office Locations Remain The Same:*

Corporate Office:

Inland Resources Inc.

475 Seventeenth Street, Suite 1500

Denver, CO 80202

Field Office:

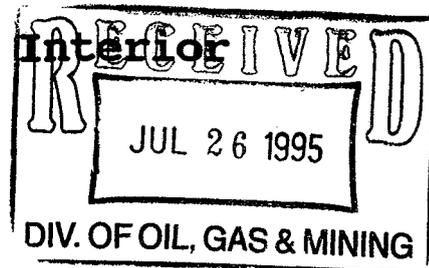
W. Pole Line Road

P.O. Box 1446

Roosevelt, Utah 84066

United States Department of the Interior  
BUREAU OF LAND MANAGEMENT

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



JUL 25 1995

IN REPLY REFER TO:  
3100  
SL-065914 et al  
(UT-923)

NOTICE

Inland Production Company : Oil and Gas Leases  
475 Seventeenth St., Ste. 1500 : SL-065914 et al  
Denver, Colorado 80202 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Lomax Exploration Company to Inland Production Company on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

For our purposes, the name change is recognized effective June 29, 1995 (Secretary of State's approval date).

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Lomax Exploration Company to Inland Production Company on Bond No. 4488944 (BLM Bond No. UT0056). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to this office. BLM Bond Nos. MT0771 and WY0821 should also be changed for the bonds held by Montana and Wyoming respectively.

**/s/ ROBERT LOPEZ**

Chief, Branch of Mineral  
Leasing Adjudication

Enclosure  
1-Exhibit (1 p)

cc: Hartford Accident & Indemnity Co.  
Hartford Plaza  
Hartford, CT 06115

bc: Moab District Office  
Vernal District Office  
Montana State Office  
Wyoming State Office  
Eastern States Office  
MMS--Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217  
State of Utah, Attn: Lisha Cordova, Division of Oil, Gas & Mining,  
355 West North Temple, 3 Triad Center, Suite 350, SLC, UT 84180  
Teresa Thompson (UT-922)  
Dianne Wright (UT-923)

**EXHIBIT**

SL-065914	U-36846	UTU-66185
SL-071572A	U-38428	UTU-67170
U-02458	U-45431	UTU-68548
U-15855	U-47171	UTU-69060
U-16535	U-50376	UTU-69061
U-26026	U-62848	UTU-72103
U-34173	UTU-65965	UTU-72104
U-36442	UTU-66184	UTU-73088

## FAX COVER SHEET



RESOURCES INC.  
475 17th Street, Suite 1500  
Denver, CO 80202  
303-292-0900, Fax #303-296-4070

DATE: August 8, 1995  
TO: Lisha Cordova  
COMPANY: State of Utah - Division of Oil, Gas and Mining  
FAX NUMBER: 801 359 3940  
FROM: Chris A Potter  
NUMBER OF PAGES: 1 (INCLUDING COVER SHEET):

---

RE: Transfer of Authority to Inject  
Lomax Exploration Company to Inland Production Company

I hope the info I sent to you August 1st was acceptable regarding our name change and your phone call to me last week.....

If there is anything missing or you need additional info, please let me know. I am located in our Denver office.....

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing: (GIL) *[initials]*

1- <del>MCS</del> 7-PL
2-LWP 8-SJ
3- <del>DT</del> 9-FILE
4-VLC <i>[initials]</i>
5-RJF <i>[initials]</i>
6-LWP <i>[initials]</i>

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

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

(MERGER)

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-29-95)

TO (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM (former operator)	<u>LOMAX EXPLORATION COMPANY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 1446</u>
	<u>ROOSEVELT UT 84066</u>		<u>ROOSEVELT UT 84066</u>
	<u>KEBBIE JONES</u>		<u>KEBBIE JONES</u>
	phone ( <u>801</u> ) <u>722-5103</u>		phone ( <u>801</u> ) <u>722-5103</u>
	account no. <u>N 5160</u>		account no. <u>N 0580</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31371</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 7/14/95)*
- N/A* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- See* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_ *(7-28-95)*
- See* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(7-31-95)*
- See* 6. Cardex file has been updated for each well listed above. *8-16-95*
- See* 7. Well file labels have been updated for each well listed above. *8-22-95*
- See* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(7-31-95)*
- See* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *Trust Lands Admin. / Riders or Repl. in Progress.*

- See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- \_\_\_ 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_. Today's date \_\_\_\_\_ 19\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- OTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
*8/23/95 sent to Ed Bonner*

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: August 30 1995.

FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each well file.
- \_\_\_ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

*950726 BLM/SL Appr. eff. 6-29-95.*

**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.  
**U-16535**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**MONUMENT BUTTE**

8. Well Name and No.  
**MONUMENT FEDERAL 10-34**

9. API Well No.  
**43-013-31371**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FEL                      NW/SE Section 34, T08S R16E**

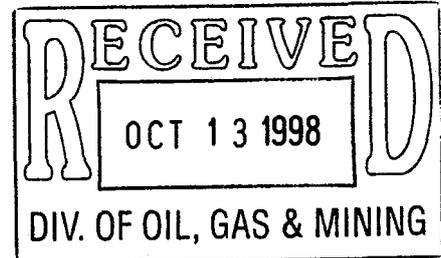
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 <u>Site Security</u>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

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

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

Attached please find the site security diagram for the above referenced well.



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

Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/8/98

(This space for Federal or State office use)

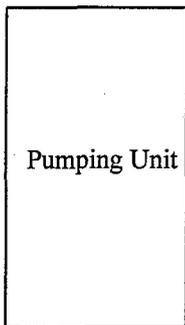
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

# Inland Production Company Site Facility Diagram

Monument Butte 10-34  
NW/SE Sec. 34, T8S, 16E  
Duchesne County  
May 12, 1998

Well Head



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

**Production Phase:**

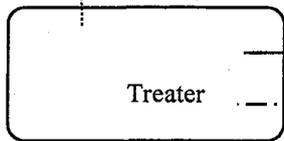
- 1) Valves 1, 3, 4 sealed closed
- 2) Valves 2 and 5 sealed open

**Sales Phase:**

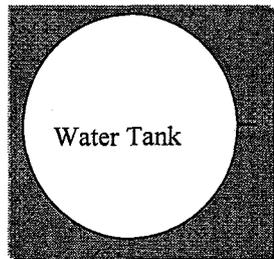
- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 3 open

**Draining Phase:**

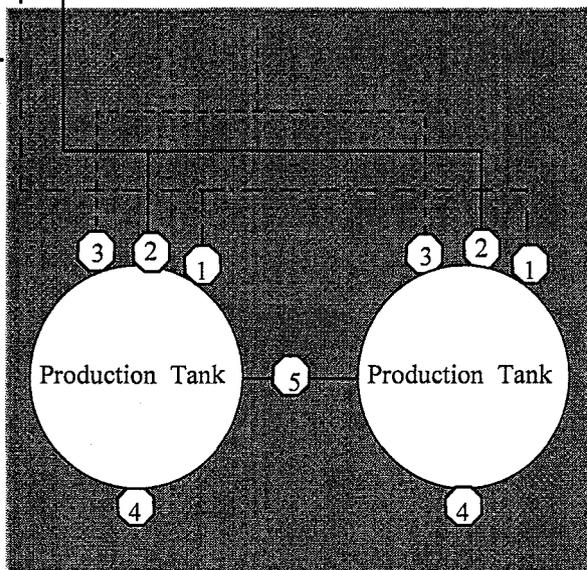
- 1) Valve 1 open



Gas Sales Meter



↑  
Contained Section



← Diked Section

**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

5. Lease Designation and Serial No.  
**U-16535**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**MONUMENT BUTTE**

8. Well Name and No.  
**MONUMENT FED 10-34-8-16**

9. API Well No.  
**43-013-31371**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, 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.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1980 FSL 1980 FEL      NW/SE Section 34, T08S 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 checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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

Subject well had recompletion procedures initiated in the Green River formation on 2/4/02. Production equipment was pulled from well. Bit & scraper run was made. A retrievable bridge plug was set @ 4560'. One new interval was perforated W// 4 JSPF. The GB4 sds @ 4462-64' & 4481-90'. Interval was hydraulically fracture treated W/ 36,260# 20/40 mesh sand in 325 bbls Viking I-25 fluid. Sand was cleaned from well. Zone was swab tested for cleanup. Bridge plug was removed from wellbore. Production equipment was replaced in well as before. Well resumed producing via rod pump on 2/8/02.

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

Signed *Gary Dietz* Title Completion Foreman Date 2/8/02  
 Gary Dietz

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

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

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

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

**CA No. Unit: MONUMENT BUTTE (GR D)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 1-34	34	080S	160E	4301330808	10835	Federal	WI	A
MONUMENT FED 8-34	34	080S	160E	4301330843	10835	Federal	OW	P
MONUMENT FED 10-34	34	080S	160E	4301331371	10835	Federal	OW	P
MON FED 9-34	34	080S	160E	4301331407	10835	Federal	WI	A
FEDERAL 1-35	35	080S	160E	4301330561	10835	Federal	OW	P
FEDERAL 4-35	35	080S	160E	4301330605	10835	Federal	WI	A
FEDERAL 2-35	35	080S	160E	4301330606	10835	Federal	WI	A
FEDERAL 3-35	35	080S	160E	4301330608	10835	Federal	WI	A
FEDERAL 5-35	35	080S	160E	4301330686	10835	Federal	WI	A
FEDERAL 12-35	35	080S	160E	4301330744	10835	Federal	OW	P
MON FED 13-35	35	080S	160E	4301330745	10835	Federal	WI	A
FEDERAL 6-35	35	080S	160E	4301330751	10835	Federal	OW	P
FEDERAL 10-35	35	080S	160E	4301330801	10835	Federal	OW	P
FEDERAL 14-35	35	080S	160E	4301330812	10835	Federal	OW	P
MONUMENT FED 8-35	35	080S	160E	4301331263	10835	Federal	OW	P
MON FED 15-35	35	080S	160E	4301331264	10835	Federal	WI	A
STATE 1-36	36	080S	160E	4301330592	10835	State	WI	A
STATE 13-36	36	080S	160E	4301330623	10835	State	WI	A
STATE 5-36	36	080S	160E	4301330624	10835	State	WI	A
STATE 12-36	36	080S	160E	4301330746	10835	State	OW	P
STATE 1-2	02	090S	160E	4301330596	10835	State	WI	A
STATE 3-2	02	090S	160E	4301330627	10835	State	WI	A

**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



August 27, 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 10-34-8-16  
Monument Butte Field, Monument Butte Unit, Lease #UTU-16535  
Section 34-Township 8S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Monument Butte Federal 10-34-8-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

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

Sincerely,

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

Eric Sundberg  
Regulatory Analyst

RECEIVED  
SEP 14 2009  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT BUTTE FEDERAL 10-34-8-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**MONUMENT BUTTE UNIT**  
**LEASE #UTU-16535**  
**AUGUST 27, 2009**

**RECEIVED**  
**SEP 14 2009**  
**DIV. OF OIL, GAS & MINING**

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# Monument Butte Federal 10-34-8-16

Spud Date: 10/1/1992  
 Put on Production: 11/26/1992  
 GL: 5628' KB: 5640'

Initial Production: 68 BOPD,  
 93 MCFD, 24 BWPD

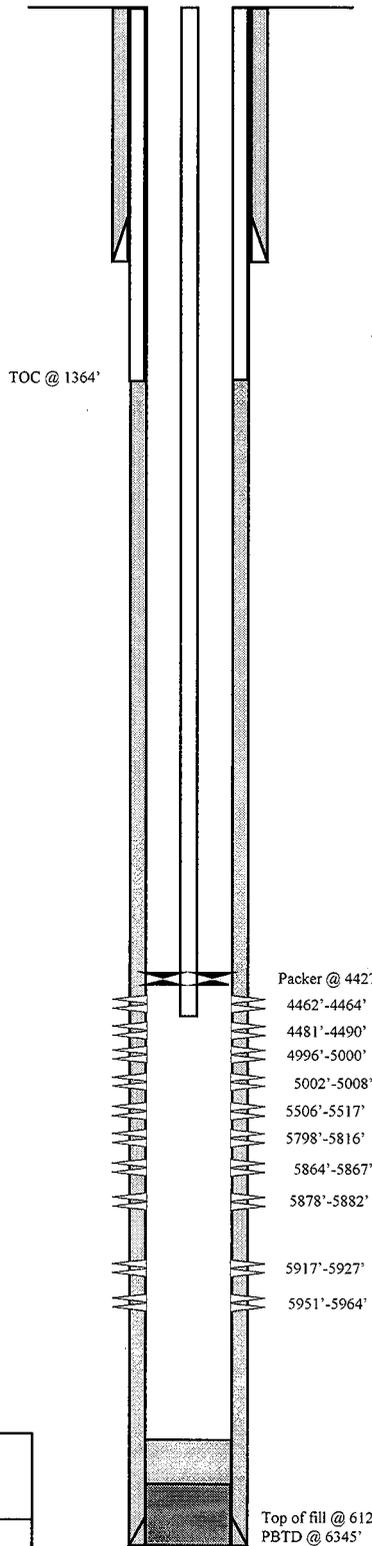
## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 304.87'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 216 sxs Class "G" cmt.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 6400.06'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 348 sxs Hilift & 428 sxs 50/50 POZ.  
 CEMENT TOP AT: 1364' per CBL

## Proposed Injection Wellbore Diagram



## FRAC JOB

11/15/92	5917'-5964'	<b>Frac CP sand as follows:</b> 109,000# 16/30 sand in 1095 bbls fluid. Treated @ avg press of 2100 psi w/avg rate of 35 BPM. ISIP 2097 psi. Calc. flush: 5917 gal, Act. flush: 5663 gal.
11/17/92	5798'-5816'	<b>Frac CP sand as follows:</b> 75,000# 16/30 sand in 670 bbls fluid. Treated @ avg press of 3000 psi w/avg rate of 30 BPM. ISIP 3100 psi. Calc. flush: 5798 gal, Act. flush: 5614 gal.
11/19/92	5506'-5517'	<b>Frac A-3 sand as follows:</b> 60,430# 16/30 sand in 583 bbls fluid. Treated @ avg press of 3100 psi w/avg rate of 25 BPM. ISIP 2934 psi. Calc. flush: 5506 gal, Act. flush: 5370 gal.
11/22/92	4996'-5008'	<b>Frac D-1 sand as follows:</b> 28,500# 16/30 sand in 256 bbls fluid. Treated @ avg press of 2400 psi w/avg rate of 25 BPM. ISIP 2014 psi. Calc. flush: 4996 gal, Act. flush: 4850 gal.
9/22/01		Rod job. Update rod and tubing details.
02/06/02	4462'-4490'	<b>Frac GB-4 sand as follows:</b> 36,260# 16/30 sand in 325 bbls Viking I-25 frac fluid. Treated @ avg press of 2195 psi w/avg rate of 21.2 BPM. ISIP 2500 psi. Calc. flush: 4462 gal, Act. flush: 4242 gal.
08/10/06		Pump Change. Update rod and tubing details.

## PERFORATION RECORD

11/12/92	5951'-5964'	4 JSPF	52 holes
11/12/92	5917'-5927'	4 JSPF	40 holes
11/12/92	5878'-5882'	4 JSPF	16 holes
11/12/92	5864'-5867'	4 JSPF	12 holes
11/16/92	5798'-5816'	4 JSPF	72 holes
11/18/92	5506'-5517'	4 JSPF	44 holes
11/20/92	5002'-5008'	4 JSPF	24 holes
11/20/92	4996'-5000'	4 JSPF	16 holes
02/06/02	4462'-4464'	4 JSPF	08 holes
02/06/02	4481'-4490'	4 JSPF	36 holes

**NEWFIELD**

**Monument Butte Federal 10-34-8-16**  
 1980' FSL & 1980' FEL  
 NW/SE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31371; Lease #UTU-16535

## WORK PROCEDURE FOR INJECTION CONVERSION

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

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

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

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

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

Approval is requested to convert the Monument Butte Federal 10-34-8-16 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 10-34-8-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4287' - 6280'). 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 3954' and the TD is at 6407'.

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

The referenced log for the Monument Butte Federal 10-34-8-16 is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a Federal lease (Lease #UTU-16535) 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 305' KB, and 5-1/2", 15.5# casing run from surface to 6400' 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 1982 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 10-34-8-16, for existing perforations (4462' - 5964') calculates at 0.84 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 1982 psig. We may add additional perforations between 3954' and 6407'. 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 10-34-8-16, the proposed injection zone (4287' - 6280') is in the Garden Gulch to Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-12.

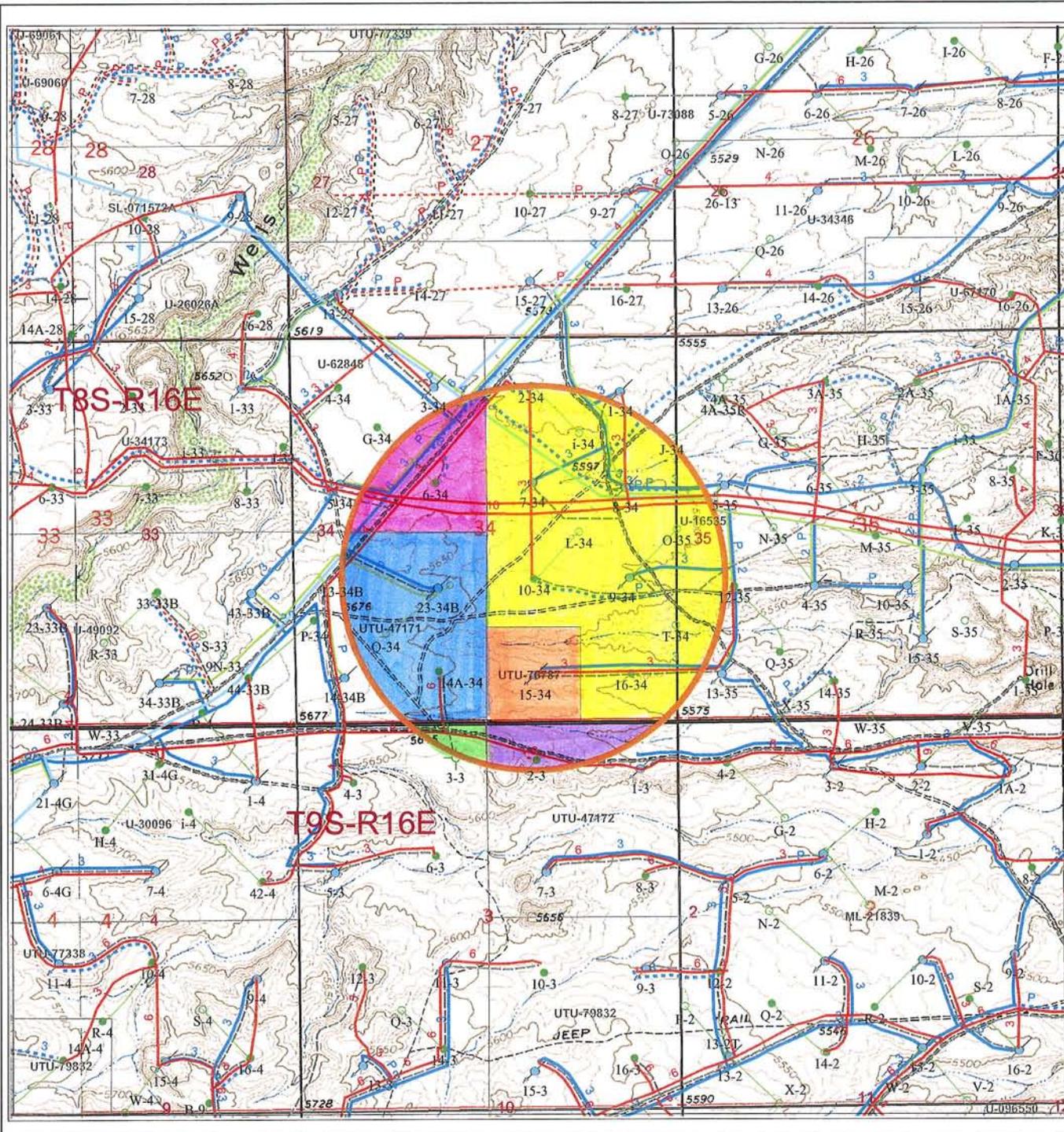
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

- Mining tracts
- 10-34-8-16 1/2mile radius

- U-10535
- U-02848
- UTU-47171
- UTU-70787
- UTU-77338
- UTU-47172

# Attachment A

Monument Butte 10-34-8-16  
Section 34, T8S-R16E

**NEWFIELD**    
ROCKY MOUNTAINS 1" = 2000'

1/2 Mile Radius Map  
Duchesne & Uintah Counties

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

August 18, 2009

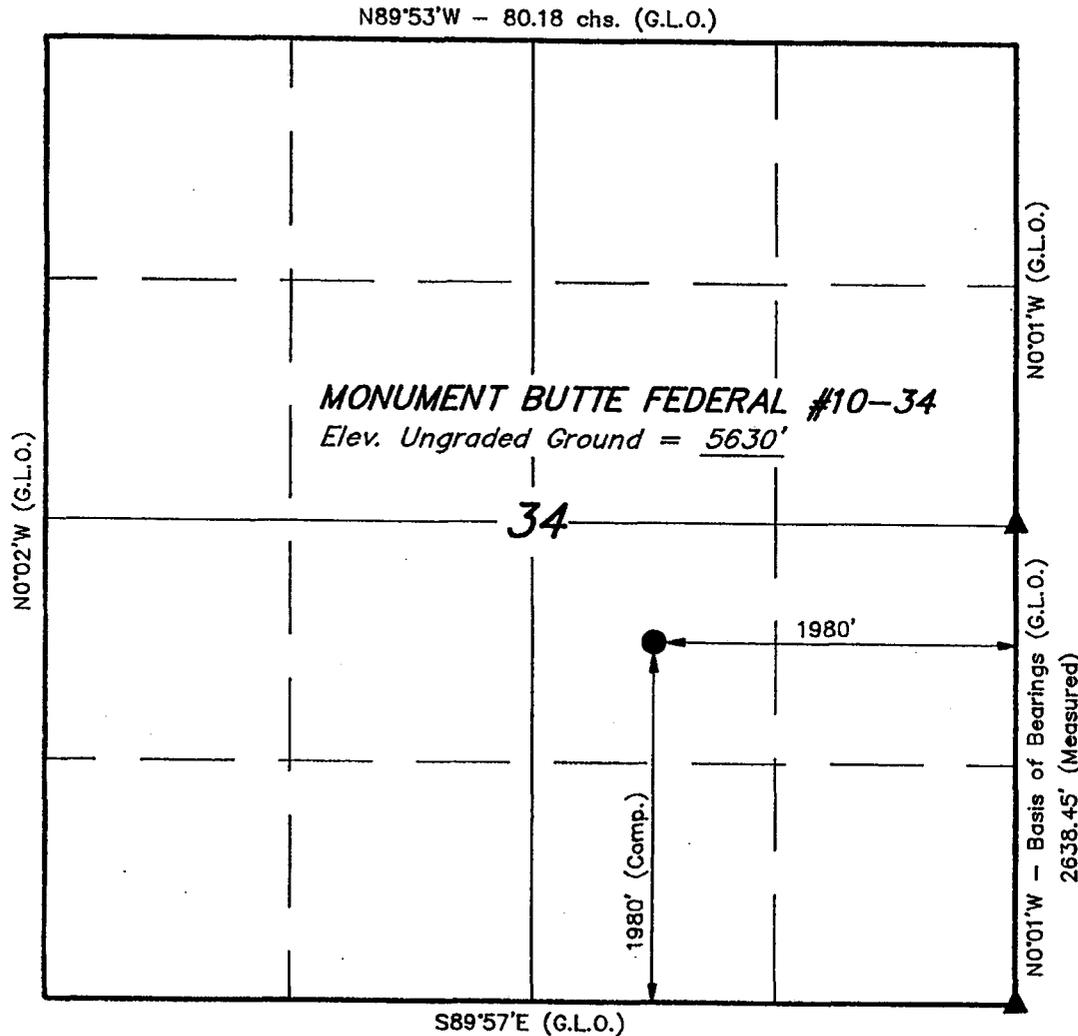
T8S, R16E, S.L.B.&M.

LOMAX EXPLORATION CO.

Well location, MONUMENT BUTTE FEDERAL #10-34, located as shown in the NW 1/4 SE 1/4 of Section 34, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 34, T8S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5575 FEET.



Attachment A-1

CERTIFICATE OF ACCURACY  
REGISTERED LAND SURVEYOR  
STATE OF UTAH  
No. 5709

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Key*

▲ = SECTION CORNERS LOCATED. (BRASS CAPS)

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(801) 789-1017		
SCALE 1" = 1000'	DATE 5-16-90	
PARTY G.S. J.F. J.R.S.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE LOMAX EXPLORATION CO.	

EXHIBIT B

Page 1

1 of 3

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	<u>Township 8 South, Range 16 East</u> Section 35: ALL Section 34: NE, N2SE, SESE	U-16535 HBP	Newfield Production Company 1001 17 <sup>th</sup> St Suite 2000 Denver, Co 80202 AGK Energy LLC. 38 Nonohe Pl Paia, HI 96779 Raymond H. Brennan 104 Lee Lane Bellville, TX 77418 Marian Brennan 104 Lee Lane Bellville, TX 77418 Davis Bros LLC Davis Resources 110 West 7 <sup>th</sup> St. Suite 1000 Tulsa, OK 74119 Deer Valley Ltd. 800 Bering Drive #305 Houston TX 77057 International Drilling Inc 7710-T Cherry Park PMB 503 Houston, TX 77095 Thomas I Jackson 7710-T Cherry Park PMB 503 Houston, TX 77095 Beverly Sommer 1025 Crescent Drive Beverly Hills, CA 90210 Texas General Offshore Inc 7710-T Cherry Park PMB 503 Houston, TX 77095	(Surface Rights) USA

EXHIBIT B

Page 2

2 of 3

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
			Jasper Warren 17350 State Highway 249 Suite 140 Houston, TX 77064-1140 Whitehall Energy Corp 104 Lee Lane Bellville, TX 77418	
2.	<u>Township 8 South, Range 16 East</u> Section 27: S2S2 Section 34: NW	U-62848 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 Raymond H. Brennan 104 Lee Lane Bellville, TX 77418 Thomas I Jackson 7710-T Cherry Park PMB 503 Houston, TX 77095 King Oil and Gas of Texas C/O Allan C King 800 Bering Dr. Houston, TX 77057 Beverly Sommer 1025 N Crescent Dr. Beverly Hills, CA 90210	(Surface Rights) USA

EXHIBIT B

Page 3

3 of 3

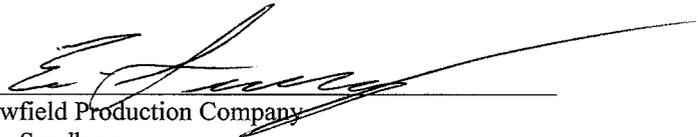
#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
3.	<u>Township 8 South, Range 16 East</u> Section 34: SW	UTU-47171 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202 1984 LTD Partnership 1401 17 <sup>th</sup> St Suite 1000 Denver, CO 80202	(Surface Rights) USA
4.	<u>Township 8 South, Range 16 East</u> Section 34: SWSE	UTU-76787 HBP	Newfield Production Company 1001 17 <sup>th</sup> Street Denver, Co. 80202 Beverly Sommer 1025 North Crescent Drive Beverly Hills, CA 90210 King Oil and Gas of Texas C/O Allan C King 800 Bering Dr. Houston, TX 77057	(Surface Rights) USA
5.	<u>Township 9 South, Range 16 East</u> Section 3: Lots 3, 4, S2NW Section 4: NESW, SE	UTU-77338 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA
6.	<u>Township 9 South, Range 16 East</u> Section 3: Lots 1, 2, S2NE	UTU-47172 HBP	Newfield Production Company 1001 17 <sup>th</sup> St. Suite 2000 Denver, CO 80202	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Butte Federal 10-34-8-16

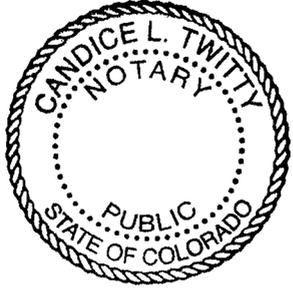
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Analyst

Sworn to and subscribed before me this 28<sup>th</sup> day of August, 2009.

Notary Public in and for the State of Colorado: 

My Commission Expires: My Commission Expires  
02/10/2013



## Monument Butte Federal 10-34-8-16

Spud Date: 10/1/1992  
Put on Production: 11/26/1992

Initial Production: 68 BOPD,  
93 MCFD, 24 BWPD

GL: 5628' KB: 5640'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 304.87'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 216 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
DEPTH LANDED: 6400.06'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 348 sxs Hilift & 428 sxs 50/50 POZ.  
CEMENT TOP AT: 1364' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 185 jts (5870.49')  
TUBING ANCHOR: 5882.49'  
NO. OF JOINTS: 1 jt (31.95')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5917.24' KB  
NO. OF JOINTS: 2 jts (65.11')  
TOTAL STRING LENGTH: EOT @ 5983.90'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-1 1/2" x 8' Wt. rod, 4-1 1/2" weight bars, 44-3/4" scraper rods, 60-3/4" slick rods, 8-3/4" scraper rods, 24-3/4" plain rods, 93-3/4" scraper rods, 2-4' x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC  
STROKE LENGTH: 52"  
PUMP SPEED, SPM: 6 SPM

**FRAC JOB**

11/15/92 5917'-5964' **Frac CP sand as follows:**  
109,000# 16/30 sand in 1095 bbls fluid. Treated @ avg press of 2100 psi w/avg rate of 35 BPM. ISIP 2097 psi. Calc. flush: 5917 gal, Act. flush: 5663 gal.

11/17/92 5798'-5816' **Frac CP sand as follows:**  
75,000# 16/30 sand in 670 bbls fluid. Treated @ avg press of 3000 psi w/avg rate of 30 BPM. ISIP 3100 psi. Calc. flush: 5798 gal, Act. flush: 5614 gal.

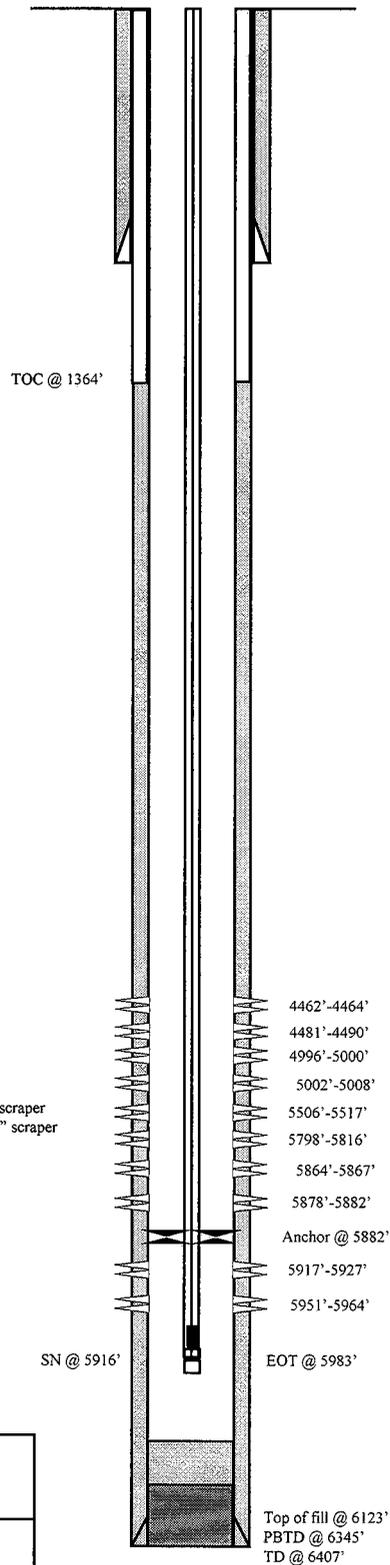
11/19/92 5506'-5517' **Frac A-3 sand as follows:**  
60,430# 16/30 sand in 583 bbls fluid. Treated @ avg press of 3100 psi w/avg rate of 25 BPM. ISIP 2934 psi. Calc. flush: 5506 gal, Act. flush: 5370 gal.

11/22/92 4996'-5008' **Frac D-1 sand as follows:**  
28,500# 16/30 sand in 256 bbls fluid. Treated @ avg press of 2400 psi w/avg rate of 25 BPM. ISIP 2014 psi. Calc. flush: 4996 gal, Act. flush: 4850 gal.

9/22/01 Rod job. Update rod and tubing details.

02/06/02 4462'-4490' **Frac GB-4 sand as follows:**  
36,260# 16/30 sand in 325 bbls Viking I-25 frac fluid. Treated @ avg press of 2195 psi w/avg rate of 21.2 BPM. ISIP 2500 psi. Calc. flush: 4462 gal, Act. flush: 4242 gal.

08/10/06 Pump Change. Update rod and tubing details.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
11/12/92	5951'-5964'	4 JSPF	52 holes
11/12/92	5917'-5927'	4 JSPF	40 holes
11/12/92	5878'-5882'	4 JSPF	16 holes
11/12/92	5864'-5867'	4 JSPF	12 holes
11/16/92	5798'-5816'	4 JSPF	72 holes
11/18/92	5506'-5517'	4 JSPF	44 holes
11/20/92	5002'-5008'	4 JSPF	24 holes
11/20/92	4996'-5000'	4 JSPF	16 holes
02/06/02	4462'-4464'	4 JSPF	08 holes
02/06/02	4481'-4490'	4 JSPF	36 holes

**NEWFIELD**

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**Monument Butte Federal 10-34-8-16**  
1980' FSL & 1980' FEL  
NW/SE Section 34-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31371; Lease #UTU-16535

# Monument Butte #2-34-8-16

Spud Date: 5/1/97  
 Put on Production: 6/10/97  
 GL: 5591' KB: 5603'

Initial Production: 45 BOPD,  
 64 MCFPD, 8 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 287.30'(7 jts.)  
 DEPTH LANDED: 287.00' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, w/8 bbls cmt to surface.

**PRODUCTION CASING**

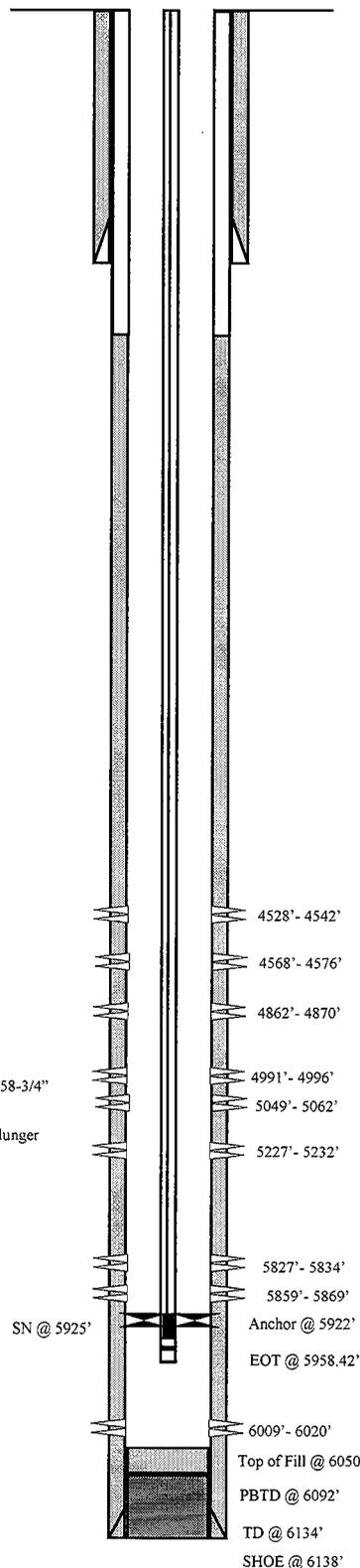
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts.  
 DEPTH LANDED: 6138'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 420 sk Hibond mixed & 370 sxs thixotropic  
 CEMENT TOP AT: 478' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 190 jts (5910.85')  
 TUBING ANCHOR: 5922.85'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5925.65'  
 NO. OF JOINTS: 1 jt (31.22')  
 TOTAL STRING LENGTH: EOT @ 5958.42' W/12' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rod  
 SUCKER RODS: 1-2' x 1-8' x 3/4" pony rod, 100-3/4" scraped rods, 58-3/4" plain rods, 71-3/4" scraped rods, 1-1 1/2", 5-1 5/8" weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 15 1/2" RHAC pump W/sm plunger  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5 SPM



**FRAC JOB**

5/28/97 6009'-6020' **Frac CP-2 sand as follows:**  
 103,400# of 20/40 sans in 526 bbls of Boragel. Perfs broke @ 2159 psi. Treated @ avg rate of 26 bpm w/avg press of 1900 psi. ISIP-2295, 5-min 2084 psi. Flowback on 12/64" ck for 3-1/2 hours and died.

5/29/97 5827'-5869' **Frac LODC sand as follows:**  
 113,100# of 20/40 sand in 541 bbls of Boragel. Perfs broke @ 3212 psi. Treated @ avg rate of 28 bpm w. avg press of 2980 psi. Screened out w/8.9# sand on perfs w/1166 gal left to flush. Had 101,800# sand in perfs and 11,300# sand left in csg. ISIP-3836 psi, 5-min 2601 psi. Flowback on 12/64" ck for 4 hours and died.

6/2/97 5227'-5232' **Frac C sand as follows:**  
 102,000# of 20/40 sand in 477 bbls Boragel. Perfs broke @ 2680 psi. Treated @ avg rate of 25 bpm w/avg press of 2680 psi. Screened out w/820 gal of flush left to pump, reduced rate and flushed remainder of flush. ISIP-3438 psi, 5-min 2311 psi. Flowback on 12/64" ck for 2-1/2 hours and died.

6/4/97 4991'-5062' **Frac D-1 & D-S3 sand as follows:**  
 101,300# of 20/40 sand in 490 bbls of Boragel. Perfs broke @ 3180 psi. Treated @ avg rate of 26.5 bpm w/avg press of 2400 psi. ISIP-2900 psi, 5-min 2853 psi. Flowback on 12/64" ck for 2-1/2 hours and died.

6/11/01 4862'-4870' **Frac X-Stray sand as follows:**  
 19,674# of 20/40 sand in 216 bbls of Viking 1-25. Treated w/avg press of 3480 psi. @ 28 BPM. Screened out.

6/13/01 4528'-4576' **Frac GB-4 sand as follows:**  
 124,397# of 20/40 sand in 771 bbls of Viking 1-25. Treated w/avg press of 2340 psi. @ 31.5 BPM. ISIP - 2415 psi. Flow back 6 hours then died.

5/15/03 Stuck pump. Update tubing and rod detail.  
 6/28/03 Parted Rods. Update rod detail.  
 05/29/08 major workover. Updated rod and tubing  
 5/15/09 Parted rods. Updated r & t details.

**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
5/27/97	6009'-6020'	4 JSPF	44 holes
5/29/97	5827'-5834'	4 JSPF	28 holes
5/29/97	5859'-5869'	4 JSPF	40 holes
5/31/97	5227'-5232'	4 JSPF	20 holes
6/3/97	4991'-4996'	4 JSPF	20 holes
6/3/97	5049'-5062'	4 JSPF	52 holes
6/11/01	4862'-4870'	4 JSPF	56 holes
6/13/01	4568'-4576'	4 JSPF	32 holes
6/13/01	4528'-4542'	4 JSPF	32 holes

**NEWFIELD**



**Monument Butte #2-34-8-16**  
 660 FNL & 1982 FEL  
 NW/NE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31745; Lease #U-16535

# Monument Butte Fed. #6-34-8-16

Initial Production: 28 BOPD,  
57 MCFD, 4 BWPD

Spud Date: 2/28/1995  
Put on Production: 4/09/1995

GL: 5632' KB: 5646'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 310'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 sxs Class "G" cement.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
DEPTH LANDED: 6207.42'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs Hilit & 307 sxs 10-0 RFC.  
CEMENT TOP AT: ? per CBL

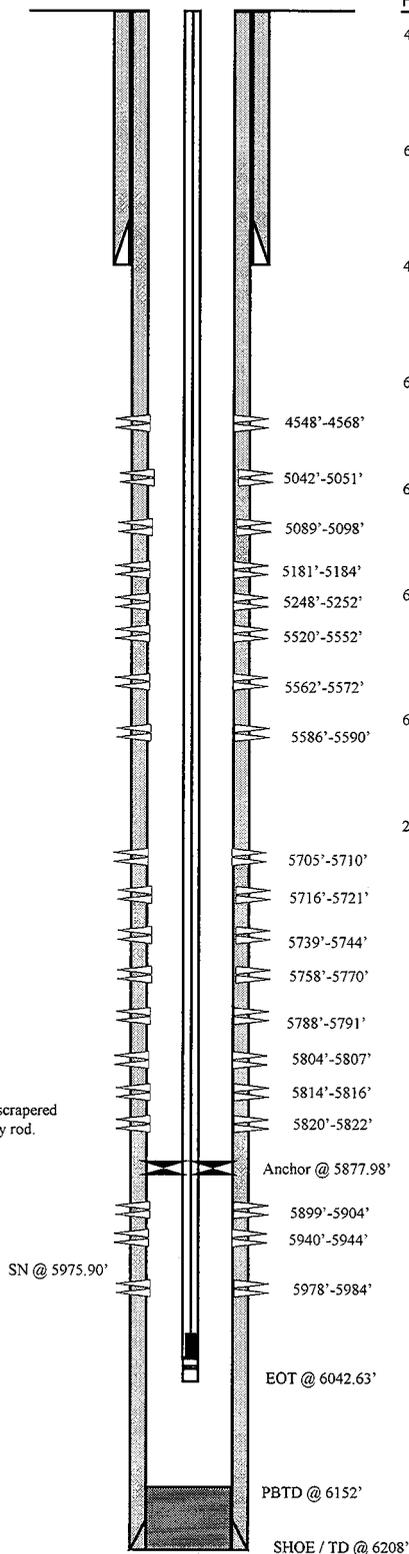
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 179 jts (5863.98')  
TUBING ANCHOR: 5877.98' KB  
NO. OF JOINTS: 3 jts (95.17')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5975.90' KB  
NO. OF JOINTS: 2 jts (65.18')  
TOTAL STRING LENGTH: EOT @ 6042.63' w/14' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 4- 1 1/2" weight bars; 2 1 5/8" weight bars; 35-3/4" scraped rods; 99-3/4" plain rods; 96-3/4" scraped rods, 1-4' & 2-6' x 3/4" pony rod.  
PUMP SIZE: 2-1/2" x 1-1/2" x 14.5' RHAC w/ sm plunger  
STROKE LENGTH: 101"  
PUMP SPEED, SPM: 3.25 SPM  
LOGS: DIGL/SP/GR/CAL

Wellbore Diagram



### FRAC JOB

4/06/95 5520'-5552' **Frac A3 sand as follows:**  
97,570# 20/40 sand in 692 bbls Viking I-35 fluid. Treated @ avg press of 2270 psi w/avg rate of 31.5 BPM. ISIP 2380 psi. Calc. flush: 5520 gal. Actual flush: 1260 gal.

6/07/95 5042'-5098' **Frac D sands as follows:**  
77,000# 16/30 sand in 673 bbls KCl frac fluid. Treated @ avg press of 2250 psi w/avg rate of 32 BPM. ISIP 2482 psi. Calc. flush: 5042 gal. Actual flush: 4998 gal.

4/10/01 5520'-5552' **Frac GB-6 sand as follows:**  
100,120# 20/40 sand in 647 bbls Viking I-25 fluid. Treated @ avg press of 2050 psi w/avg rate of 30 BPM. ISIP 2360 psi. Calc. flush: 4548 gal. Actual flush: 4452 gal.

6/10/03 5899'-5984' **Frac CP sand as follows:**  
79,030# 20/40 sand in 630 bbls Viking I-25 fluid. Treated @ avg press of 4000 psi w/avg rate of 16 BPM. ISIP 1885 psi. Calc. flush: 1502 gal. Actual flush: 1386 gal.

6/11/03 5705'-5822' **Frac LODC sand as follows:**  
117,747# 20/40 sand in 900 bbls Viking I-25 fluid. Treated @ avg press of 4400 psi w/avg rate of 17.3 BPM. ISIP 2390 psi. Calc. flush: 1491 gal. Actual flush: 1386 gal.

6/12/03 5520'-5590' **Frac Existing A and LoDC sand as follows:**  
100,632# 20/40 sand in 213 bbls of Viking I-25 pad, and 518 bbls Viking I-25 fluid. Treated @ 4100 avg press of psi w/avg rate of 17.3 BPM. ISIP 2400 psi. Calc. flush: 1430 gal. Actual flush: 1302 gal.

6/12/03 5181'-5252' **Frac B and C sand as follows:**  
38,341# 20/40 sand in 198 bbls Viking I-25 fluid. Treated @ avg press of 2750 psi w/avg rate of 17.6 BPM. ISIP 1700 psi. Calc. flush: 1323 gal. Actual flush: 1176 gal.

2/17/04 Tubing Leak. Update rod and tubing detail.

### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
4/06/95	5520'-5552'	4 JSPF	128 holes
6/06/95	5089'-5098'	4 JSPF	36 holes
6/06/95	5042'-5051'	4 JSPF	36 holes
7/10/01	4548'-4568'	4 JSPF	80 holes
6/10/03	5978'-5984'	4 JSPF	24 holes
6/10/03	5940'-5944'	4 JSPF	16 holes
6/10/03	5899'-5904'	4 JSPF	20 holes
6/11/03	5820'-5822'	4 JSPF	8 holes
6/11/03	5814'-5816'	4 JSPF	8 holes
6/11/03	5804'-5807'	4 JSPF	12 holes
6/11/03	5788'-5791'	4 JSPF	12 holes
6/11/03	5758'-5770'	4 JSPF	48 holes
6/11/03	5739'-5744'	4 JSPF	20 holes
6/11/03	5716'-5721'	4 JSPF	20 holes
6/11/03	5705'-5710'	4 JSPF	20 holes
6/11/03	5586'-5590'	4 JSPF	16 holes
6/11/03	5562'-5572'	4 JSPF	10 holes
6/11/03	5248'-5252'	4 JSPF	16 holes
6/11/03	5181'-5184'	4 JSPF	12 holes



Monument Butte Fed. #6-34-8-16  
1980' FNL & 1980' FWL  
SENW Section 34-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31504; Lease #U-62848

# Monument Butte Fed. #7-34-8-16

Spud Date: 11/7/1994  
 Put on Production: 12/10/94  
 GL: 5617' KB: 5632'

Initial Production: 65 BOPD,  
 41 MCFD, 8 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (300')  
 DEPTH LANDED: 300'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA:

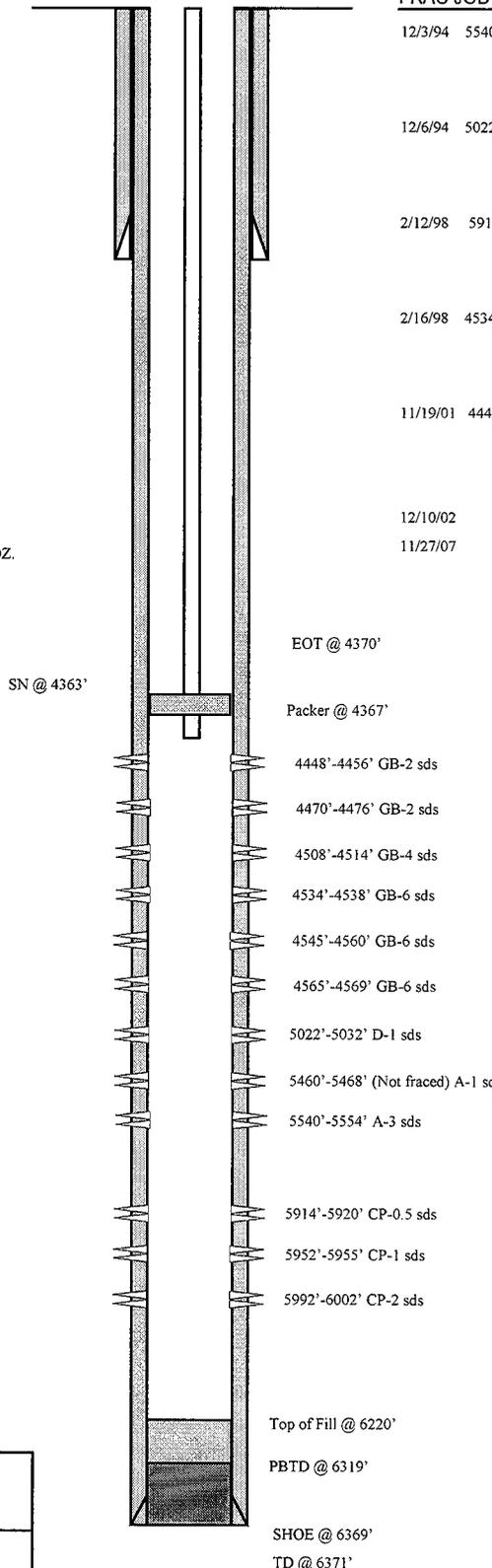
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: (6369')  
 DEPTH LANDED: 6369'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sk Prem. Lite II mixed & 550 sxs 50/50 POZ.  
 CEMENT TOP AT: 528' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 133 jts (4346.38')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4362.63' KB  
 PACKER: 4366.93'  
 TOTAL STRING LENGTH: EOT @ 4370'

Injection Wellbore Diagram



**FRAC JOB**

12/3/94	5540'-5554'	<b>Frac A-3 sand as follows:</b> 80,000# 20/40 sand in 724 bbls fluid. Treated @ avg press of 2000 psi w/avg rate of 5 BPM. ISIP 1870 psi.
12/6/94	5022'-5032'	<b>Frac D-1 sand as follows:</b> 80,000# 20/40 sand in 747 bbls fluid. Treated @ avg press of 1950 psi w/avg rate of 30 BPM. ISIP 2054 psi. 12/3/94
2/12/98	5914'-6002'	<b>Frac CP sand as follows:</b> 68,900# 20/40 sand in 334 bbls fluid. Treated @ avg press of 7700 psi w/avg rate of 26 BPM. Tubing ruptured.
2/16/98	4534'-4569'	<b>Frac GB-6 sand as follows:</b> 104,300# 20/40 sand in 488 bbls fluid. Treated @ avg press of 2180 psi w/avg rate of 26 BPM. ISIP 2643 psi.
11/19/01	4448'-4514'	<b>Frac GB-4,2 sands as follows:</b> 63,360# 20/40 sand in 589 bbls fluid. Treated @ avg press of 2210 psi w/avg rate of 20.1 BPM. ISIP 2155 psi. Flowed 4.5 hours then died.
12/10/02		Ready for MIT.
11/27/07		5 Year MIT completed and submitted.

**PERFORATION RECORD**

12/02/94	5540'-5554'	4 JSPF	56 holes
12/05/94	5022'-5032'	4 JSPF	40 holes
02/11/98	5914'-5920'	4 JSPF	24 holes
02/11/98	5952'-5955'	4 JSPF	12 holes
02/11/98	5992'-6002'	4 JSPF	40 holes
02/14/98	4534'-4538'	4 JSPF	16 holes
02/14/98	4545'-4560'	4 JSPF	60 holes
02/14/98	4565'-4569'	4 JSPF	16 holes
11/16/01	4448'-4456'	4 JSPF	32 holes
11/16/01	4470'-4476'	4 JSPF	24 holes
11/16/01	4508'-4514'	4 JSPF	24 holes
11/16/01	5460'-5468'	4 JSPF	32 holes

**NEWFIELD**

**Monument Butte Fed. #7-34-8-16**  
 1980' FNL & 1980' FEL  
 SWNE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31471; Lease #U-16535

# Monument Butte Fed. #8-34-8-16

Attachment E-4

Spud Date: 2/28/1984  
 Put on Production: 3//1984  
 Put on Injection: 3/25/1994  
 Convert to Producer: 4/18/01  
 GL: 5617' KB: 5627'

Initial Production: 35 BOPD,  
 139 MCFD, 0 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8" / J-55 / 24#  
 LENGTH: 6 jts. (279')  
 DEPTH LANDED: 302'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 210 sxs Class "G" cmt.

### PRODUCTION CASING

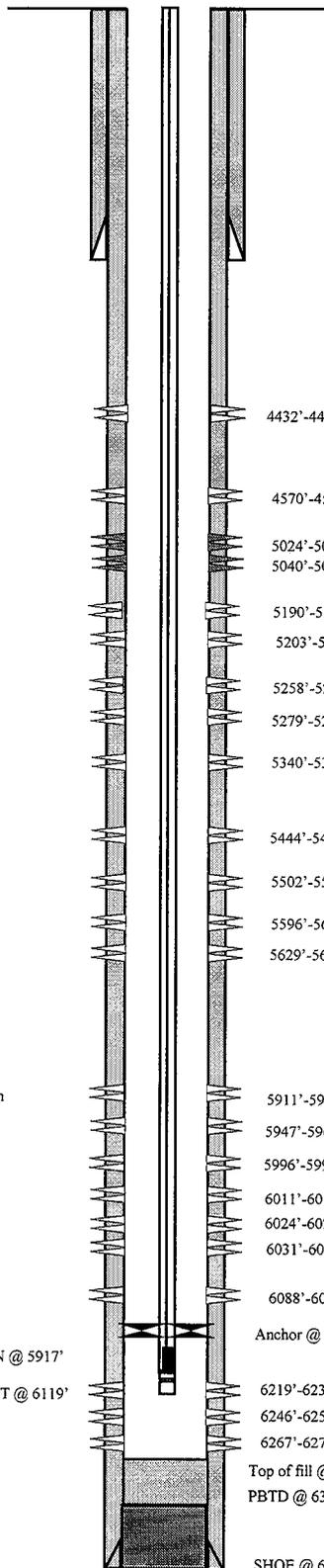
CSG SIZE: 5-1/2" / J-55 / 17#  
 LENGTH: 161 jts. (6388')  
 DEPTH LANDED: 6369'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 150 sxs HiFill & 325 sxs Gypseal.  
 CEMENT TOP AT: 3284' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 180 jts (5835.60')  
 TUBING ANCHOR: 5849.60'  
 NO. OF JOINTS: 2 jts (64.84')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5917.24' KB  
 NO. OF JOINTS: 5 jts (162.10')  
 TOTAL STRING LENGTH: EOT @ 6119.43'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 6-1 1/2" weight bars; 63-3/4" guided rods; 73-3/4" plain rods, 89-7/8" guided rods, 2-8", 1-4' x 7/8" Pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 16' RHAC  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 5 SPM



### FRAC JOB

Date	Depth Range	Description
4/05/84	5024'-5043'	<b>Frac D1 sand as follows:</b> 89,500# 20/40 sand in 655 bbls frac fluid. Treated @ avg press of 2100 psi w/avg rate of 31 BPM. ISIP 2160 psi. Flushed to perfs.
10/09/90		Reperf D1 zone.
10/13/90		Acidize D1 w/ 100 gal 15% HCl + 60% N2.
4/19/94		Put on Injection.
4/18/01		Convert to producer.
12/18/02	5911'-6273'	<b>Frac BS and CP sands as follows:</b> 197,938# 20/40 sand in 1005 bbls Viking I-25 fluid. Treated @ avg. pressure of 3330 psi w/avg. rate of 15.2 BPM. ISIP - 2200 psi. Calc. flush: 1562 gals. Actual flush: 1437 gals.
12/20/02	5444'-5634'	<b>Frac A and LODC sands as follows:</b> 93,076# 20/40 sand in 512 bbls Viking I-25 fluid. Treated @ avg. pressure of 3950 psi w/avg. rate of 15.0 ISIP - 3700 psi. Calc. flush: 1451 gals. Actual flush: 42 gals.
12/21/02	5190'-5344'	<b>Frac B and C sands as follows:</b> 60,044# 20/40 sand in 305 bbls Viking I-25 fluid. Treated @ avg. pressure of 3830 psi w/avg. rate of 15.0 BPM. ISIP - 2750 psi. Calc. flush: 1365 gals. Actual flush: 1283 gals.
12/22/02	4432'-4577'	<b>Frac GB sands as follows:</b> 26,820# 20/40 sand in 121 bbls Viking I-25 fluid. Treated @ avg. pressure of 2550 psi w/avg. rate of 24.5 BPM. ISIP - 3300 psi. Calc. flush: 4432 gals. Actual flush: 3570 gals.
5/18/04		Stuck Pump. Update rod detail.
6/24/04		Stuck Pump. Update rod detail.
6-19-08		Parted rods. Updated rod & tubing details.
1/8/09		Parted rods. Updated rod & tubing details.

### PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
3/31/84	6219'-6236'	1 JSPF	17 holes
4/04/84	5040'-5043'	1 JSPF	04 holes
4/04/84	5024'-5038'	1 JSPF	14 holes
10/09/90	5040'-5043'	3 JSPF	12 holes
10/09/90	5024'-5038'	3 JSPF	42 holes
12/18/02	6267'-6273'	4 JSPF	24 holes
12/18/02	6246'-6252'	4 JSPF	24 holes
12/18/02	6219'-6236'	5 JSPF	85 holes reperf
12/18/02	6088'-6094'	4 JSPF	24 holes
12/18/02	6031'-6034'	4 JSPF	28 holes
12/18/02	6024'-6028'	4 JSPF	28 holes
12/18/02	6011'-6015'	4 JSPF	16 holes
12/18/02	5996'-5999'	4 JSPF	12 holes
12/18/02	5947'-5962'	4 JSPF	92 holes
12/18/02	5911'-5919'	4 JSPF	92 holes
12/18/02	5629'-5634'	4 JSPF	20 holes
12/18/02	5596'-5603'	4 JSPF	28 holes
12/18/02	5502'-5521'	4 JSPF	76 holes
12/18/02	5444'-5450'	4 JSPF	24 holes
12/18/02	5340'-5344'	4 JSPF	16 holes
12/18/02	5279'-5284'	4 JSPF	32 holes
12/18/02	5258'-5261'	4 JSPF	32 holes
12/18/02	5203'-5207'	4 JSPF	16 holes
12/18/02	5190'-5193'	4 JSPF	12 holes
12/18/02	4570'-4577'	4 JSPF	28 holes
12/18/02	4432'-4436'	4 JSPF	16 holes



Monument Butte Fed. #8-34-8-16  
 2059' FNL & 701' FEL  
 SENE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-30843; Lease #U-16535

Spud Date: 5/29/1990  
 Put on Production: 8/27/90  
 GL: 5670' KB: 5685'

# Federal #13-34-B

Attachment E-5

Initial Production: 590 BOPD,  
 NA MCFPD, 197 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 307' GL  
 DEPTH LANDED: 307' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 210 sxs cmt class G

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 17#  
 LENGTH: 6470'  
 DEPTH LANDED: 6470'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 165 sks HI LIFT, 530 sks 10-0 RFC  
 CEMENT TOP AT: @ 1080' per CBL

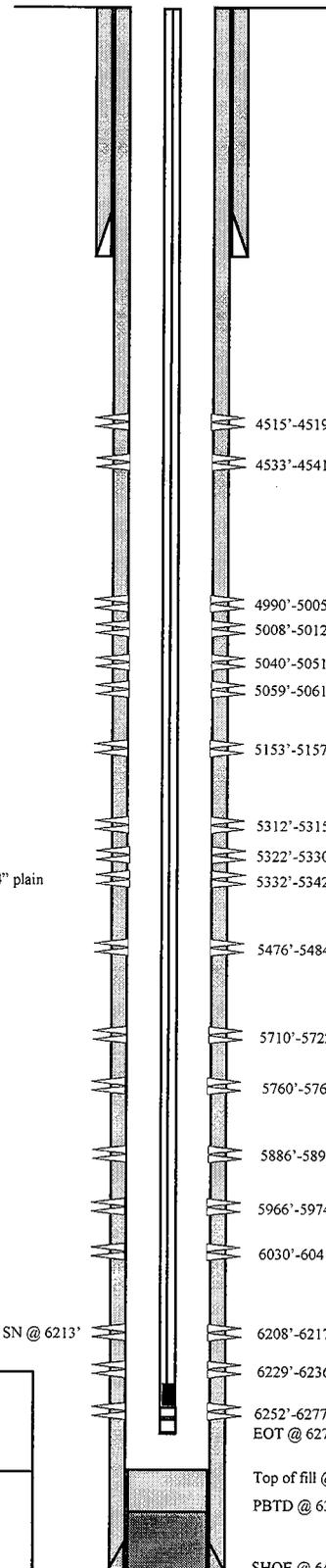
## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 198 jts (6163.70')  
 TUBING ANCHOR: 6178.70' KB  
 NO. OF JOINTS: 1 jt (31.52')  
 SEATING NIPPLE: (1.10')  
 SN LANDED AT: 6213.02' KB  
 NO. OF JOINTS: 2 jts (63.34')  
 TOTAL STRING LENGTH: EOT @ 6277.91' w/15' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rods  
 SUCKER RODS: 6-1 5/8" wt. rods, 32 - 3/4" scraped rods, 116 - 3/4" plain rods, 93 - 7/8" scraped rods, 1-8' x 7/8" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 15 1/2" RHAC pump  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 6 SPM

Wellbore Diagram



## FRAC JOB

7/26/90	5886'-5896'	<b>Frac zone as follows:</b> 18,100# 20/40 & 29,400# 16/30 sand in 547 bbl gel water. Avg. treating press. 1550 psi, @ 30 BPM, ISIP 3800 psi. Calc. flush: 5886 gal. Actual flush: 5270 gal.
7/28/90	5710'-5768'	<b>Frac zone as follows:</b> 39,400# 20/40 sand, 50,500# 16/30 sand in 956 bbl gel water. Avg. treating press. 3000 psi, @ 41 BPM, ISIP 3600 psi. Calc. flush: 5710 gal. Actual flush: 5600 gal.
7/31/90	5476'-5484'	<b>Frac zone as follows:</b> 18,100# 20/40, 26,000# 16/30 sand in 534 bbl gel water. Avg. treating press. 2550 psi, @ 30 BPM, ISIP 2630 psi. Calc. flush: 5476 gal. Actual flush: 4780 gal.
8/2/90	5312'-5342'	<b>Frac zone as follows:</b> 42,400# 20/40 sand, 51,800# 16/30 sand in 1041 bbl gel water. Avg. treating press. 2700 psi, @ 47 BPM, ISIP 2700 psi.
8/4/90	4990'-5061'	<b>Frac zone as follows:</b> 74,100# 20/40 sand, 99,000# 16/30 sand in 1750 bbls gel water. Avg. treating press. 1900 psi, @ 57 BPM, ISIP 1900 psi.
10/28/98		Isolate lower zones w/ CIBP @ 5430'
1/07/99		Drill out CIBP @ 5430'. Isolate upper zones 4990'-5061' w/ casing sleeve.
3/16/02		Remove casing sleeve. Isolate upper zones 4990'-5012' w/ packer.
4/05/02		Isolate upper zones 4990'-5051' w/ packer.
1/27/03	5886'-6277'	<b>Frac CP and BS sands (and frac 5886 - 5896' LODC sands) as follows:</b> 119,179# 20/40 sand in 874 bbls Viking I-25 fluid. Treated @ avg. pressure of 3786 psi w/ avg. rate of 19.2 BPM. ISIP - 2235 psi. Calc. flush: 1457 gals. Actual flush: 1407 gals.
1/27/03	5153'-5157'	<b>Frac C sands as follows:</b> 10,777# 20/40 sand in 122 bbls Viking I-25 fluid. W/ sand on perfs pressure increased rapidly. Est. 5,690# sand in formation and left est. 5,087# sand in tubing.
1/28/03	4515'-4541'	<b>Frac CB6 sands as follows:</b> 47,866# 20/40 sand in 383 bbls Viking I-25 fluid. Treated @ avg. pressure of 2154 psi w/ avg. rate of 26.1 BPM. ISIP - 2340 psi. Calc. flush: 4515 gals. Actual flush: 4326 gals.
6/4/03		Parted rod and tubing leak. Update tubing and rod details.
6/12/03		Parted rods. Update rod detail.
4/21/04		Pump change. Update rod detail.
3-11-05		Pump change.
08/06/05		Parted Rods
09/07/05		Pump Change. Update Rod and tubing details.
8-15-08		Pump change. Updated rod & tubing details.
<b>PERFORATION RECORD</b>		
7/24/90	5886'-5896'	4 JSPF 40 holes
7/26/90	5760'-5768'	4 JSPF 32 holes
7/26/90	5710'-5722'	4 JSPF 48 holes
7/28/90	5476'-5484'	4 JSPF 32 holes
7/31/90	5332'-5342'	4 JSPF 40 holes
7/31/90	5322'-5330'	4 JSPF 32 holes
7/31/90	5312'-5315'	4 JSPF 12 holes
8/02/90	5059'-5061'	4 JSPF 8 holes
8/02/90	5040'-5051'	4 JSPF 44 holes
8/02/90	5008'-5012'	4 JSPF 16 holes
8/02/90	4990'-5005'	4 JSPF 60 holes
1/24/03	6252'-6277'	4 JSPF 100 holes
1/24/03	6229'-6236'	4 JSPF 28 holes
1/24/03	6208'-6217'	4 JSPF 36 holes
1/24/03	6030'-6041'	4 JSPF 44 holes
1/24/03	5966'-5974'	4 JSPF 32 holes
1/24/03	5153'-5157'	4 JSPF 16 holes
1/24/03	4533'-4541'	4 JSPF 32 holes
1/24/03	4515'-4519'	4 JSPF 16 holes

**NEWFIELD**

Federal #13-34-B  
 1997 FSL & 660 FWL  
 NW/SW Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31271; Lease #U-47171

Federal #23-34B-8-16

Spud Date: 11/30/89

Put on Injection: 6/5/98  
GL: 5650' KB: 5661'

Initial Production: 160 BOPD,  
50 MCFPD, 60 BWPD

SURFACE CASING

CSG SIZE: 9-5/8"  
GRADE: J-55  
WEIGHT: 36#  
LENGTH: 8 jts.  
DEPTH LANDED: 301'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 sxs Class G

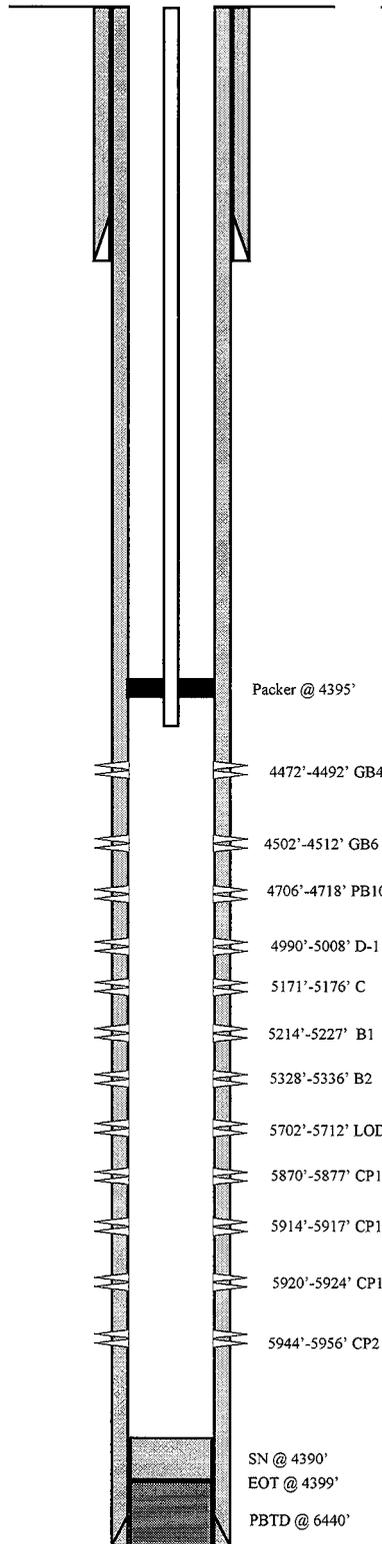
PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 17#  
LENGTH: 154 jts.  
DEPTH LANDED: 6550'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 320 sk Hi-lift mixed & 585 sxs DS 10-ORFC  
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55/6.5#  
NO. OF JOINTS: 137 jts.  
SN LANDED AT: 4390'  
PACKER: 4395'  
TOTAL STRING LENGTH: EOT @4399'

Injection Diagram



FRAC JOB

1/11/90	5870'-5956'	Frac sand as follows: 68,000# of 20/40 and 96,000# of 16/30 sd. in 1565 bbls fluid, . Avg. tubing press. 2600 psi @ 60 BPM, ISIP 1830 psi.
1/14/90	5171'-5227'	Frac sand as follows: 51,400# of 20/40 sand and 75,400 # of 16/30 sand in 1254 bbls fluid. Avg tubing press 2100 psi, ISIP 2080 psi.
1/16/90	4990'-5008'	Frac sand as follows: 45,000# 20/40 sand and 44,000# 16/30 sand, in 929 bbls fluid. Screened out 50 bbls into flush. Avg tubing press 2300 psi, @ 45 BPM.
1/18/90	4706'-4715'	Frac sand as follows: 40,600# 20/40 sand and 41,400# 16/30 sand. in 955 bbls fluid, Avg tubing press 2600 psi.
3/21/98		Convert to injector.
6-16-05		Re-completion/MIT - Frac sand as follows: 14,889# 20/40 sand in 146 bbls of lightning 17 fluid and 15,030# 20/40 sand in 145 bbls of lightning 17 fluid and 21,487# of 20/40 sand in 184 bbls of lightning 17 fluid. Average tubing pressure 4219 psi.

PERFORATION RECORD

1/10/90	5944'-5956'	4 SPF	48 holes
1/10/90	5920'-5924'	4 SPF	16 holes
1/10/90	5914'-5917'	4 SPF	12 holes
1/10/90	5870'-5877'	4 SPF	28 holes
1/13/90	5214'-5227'	4 SPF	52 holes
1/13/90	5171'-5176'	4 SPF	20 holes
1/16/90	4990'-5008'	4 SPF	72 holes
1/17/90	4706'-4718'	4 SPF	48 holes
6-14-05	5702'-5712'	4 SPF	40 holes
6-14-05	5328'-5336'	4 SPF	32 holes
6-14-05	4502'-4512'	4 SPF	40 holes
6-14-05	4472'-4492'	4 SPF	80 holes

**NEWFIELD**



Federal #23-34B-8-16  
1880 FSL & 1980 FWL  
NESW Section 34-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31241; Lease #U-47171

# Monument Butte Fed. #9-34-8-16

Attachment E7

Spud Date: 12/02/93  
 Put on Production: 1/08/94  
 Put on Injection: 1/11/01  
 GL: 5134' KB: 5124'

Initial Production: 174 BOPD,  
 60 MCFD, 11 BWPD

Injection  
 Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8" / J-55 / 24#  
 LENGTH: 307'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 316 sxs Class "G" cmt.

**PRODUCTION CASING**

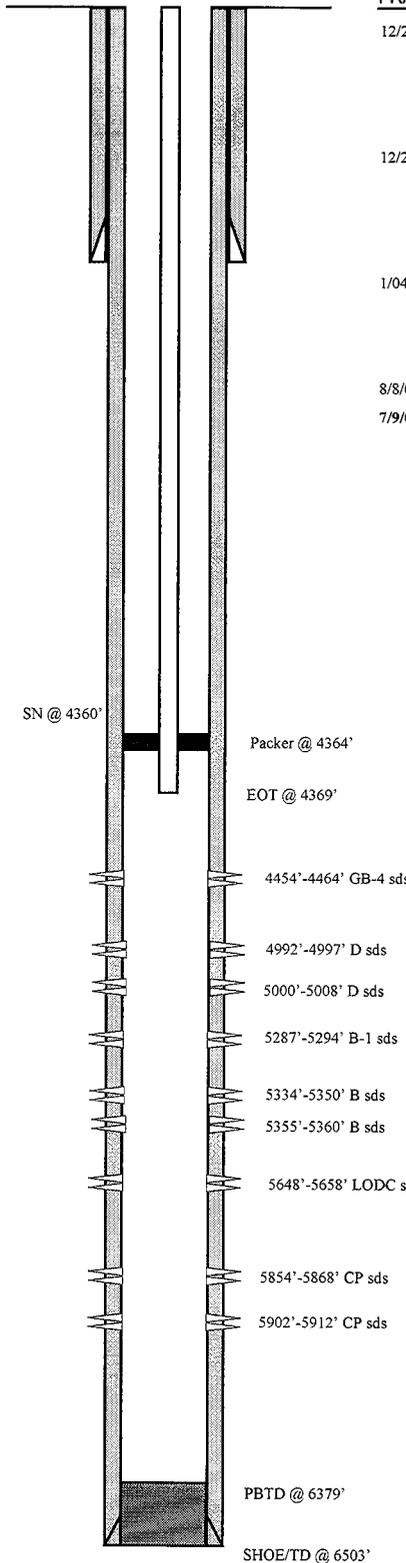
CSG SIZE: 5-1/2" / J-55 / 17#  
 LENGTH: 6502.70'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 102 sxs Hilift & 407 sxs 50/50 POZ.  
 CEMENT TOP AT: 3378' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 134 jts (4350.27')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4360.27' KB  
 TUBING PACKER: 4364.37'  
 TOTAL STRING LENGTH: EOT @ 4368.58'

**FRAC JOB**

12/22/93	5854'-5912'	<b>Frac zone as follows:</b> 31,000# 20/40 sand + 80,000# 16/30 sand in 1206 bbls frac fluid. Treated @ avg press of 2500 psi w/avg rate of 40 BPM. ISIP 2190 psi. Calc. flush: 5854 gal, Actual flush: 5670 gal.
12/29/93	5334'-5360'	<b>Frac zone as follows:</b> 43,000# 20/40 sand + 58,000# 16/30 sand in 1266 bbls frac fluid. Treated @ avg press of 2800 psi w/avg rate of 30 BPM. ISIP 2850 psi. Calc. flush: 5334 gal, Actual flush: 5175 gal.
1/04/94	4992'-5008'	<b>Frac zone as follows:</b> 65,000# 16/30 sand in 860 bbls frac fluid. Treated @ avg press of 2400 psi w/avg rate of 31BPM. ISIP 2345 psi. Calc. flush: 4992 gal, Actual flush: 4875 gal.
8/8/03		Recompletion. Ready for MIT.
7/9/08		5 Year MIT completed and submitted.



**PERFORATION RECORD**

Date	Depth Range	Tool	Holes
12/21/93	5902'-5912'	4 JSPF	40 holes
12/21/93	5854'-5868'	4 JSPF	64 holes
12/28/93	5355'-5360'	4 JSPF	20 holes
12/28/93	5334'-5350'	4 JSPF	24 holes
1/04/94	5000'-5008'	4 JSPF	32 holes
1/04/94	4992'-4997'	4 JSPF	20 holes
8/6/03	5648'-5658'	4 JSPF	40 holes
8/6/03	5287'-5294'	4 JSPF	28 holes
8/6/03	4454'-4464'	4 JSPF	40 holes



**Monument Federal. #9-34-8-16**  
 1980' FSL & 660' FEL  
 NESE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31407; Lease #U-16535

# Wells Draw Unit #14A-34-8-16

Attachment E-8

Spud Date: 8/15/2002  
 Put on Production: 9/17/2002  
 GL: 5650' KB: 5660'

Initial Production: 18 BOPD,  
 5.5 MCFD, 74 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (306.12')  
 DEPTH LANDED: 314.12' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt, est 3 bbls cmt to surf.

**PRODUCTION CASING**

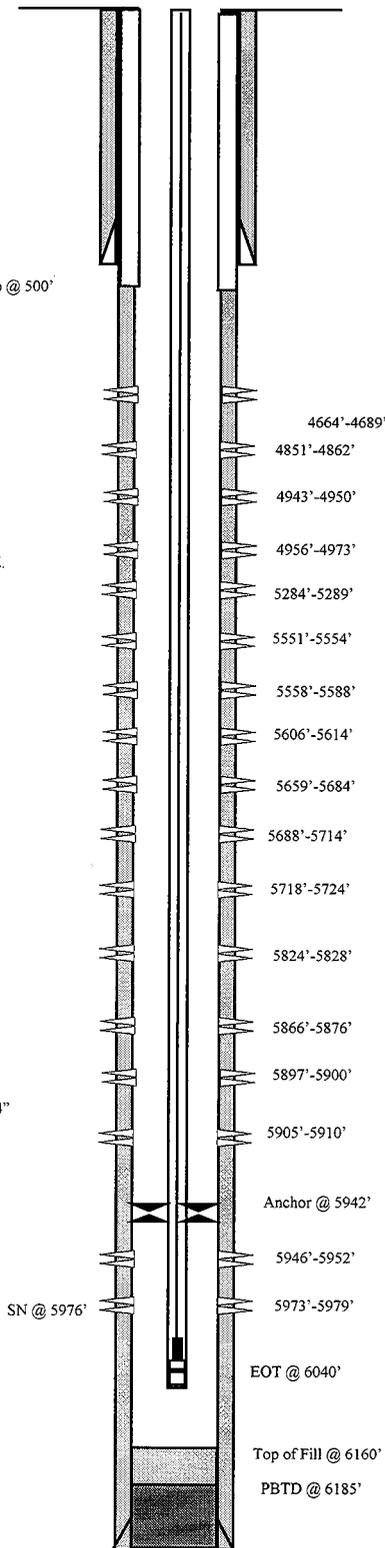
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6208.51')  
 DEPTH LANDED: 6206.11' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 500'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 189 jts (5932')  
 TUBING ANCHOR: 5942' KB  
 NO. OF JOINTS: 1 jt (31.42')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5976.22' KB  
 NO. OF JOINTS: 2 jts (62.85')  
 TOTAL STRING LENGTH: EOT @ 6040.62' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 122-3/4" plain rods, 100-3/4" scraped rods, 1-8", 1-6" x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-3/4" x 16" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS: DIGL/SP/GR/CAL



**FRAC JOB**

9/11/02 5824'-5979' **Frac CP .5, 1, 2, 2, 3, 3 sands as follows:**  
 81,000# 20/40 sand in 618 bbls Viking I-25 fluid. Treated @ avg press of 1869 psi w/avg rate of 26 BPM. ISIP 1880 psi. Calc flush: 5824 gal. Actual flush: 5775 gal.

9/11/02 5551'-5724' **Frac LODC sands as follows:**  
 249,000# 20/40 sand in 1631 bbls Viking I-25 fluid. Treated @ avg press of 2235 psi w/avg rate of 24.7 BPM. ISIP 2110 psi. Calc flush: 5551 gal. Actual flush: 5502 gal.

9/11/02 5284'-5289' **Frac B2 sands as follows:**  
 20,836# 20/40 sand in 264 bbls Viking I-25 fluid. Treated @ avg press of 2345 psi w/avg rate of 25 BPM. ISIP 1880 psi. Calc flush: 5284 gal. Actual flush: 5208 gal.

9/12/02 4851'-4973' **Frac D1 and DS2 sands as follows:**  
 144,900# 20/40 sand in 960 bbls Viking I-25 fluid. Treated @ avg press of 1870 psi w/avg rate of 25 BPM. ISIP 2250 psi. Calc flush: 4851 gal. Actual flush: 4767 gal.

9/12/02 4664'-4689' **Frac PB sands as follows:**  
 54,936# 20/40 sand in 433 bbls Viking I-25 fluid. Treated @ avg press of 1658 psi w/avg rate of 25 BPM. ISIP 2140 psi. Calc flush: 4664 gal. Actual flush: 4578 gal.

11/15/03 Pump Change. Update rod details.

**PERFORATION RECORD**

Date	Depth Range	Number of Holes
9/10/02	5973'-5979'	4 JSPF 24 holes
9/10/02	5946'-5952'	4 JSPF 24 holes
9/10/02	5905'-5910'	4 JSPF 20 holes
9/10/02	5897'-5900'	4 JSPF 12 holes
9/10/02	5866'-5876'	4 JSPF 40 holes
9/10/02	5824'-5828'	4 JSPF 16 holes
9/11/02	5718'-5724'	2 JSPF 12 holes
9/11/02	5688'-5714'	2 JSPF 52 holes
9/11/02	5659'-5684'	2 JSPF 50 holes
9/11/02	5606'-5614'	2 JSPF 16 holes
9/11/02	5558'-5588'	2 JSPF 60 holes
9/11/02	5551'-5554'	2 JSPF 6 holes
9/11/02	5284'-5289'	4 JSPF 20 holes
9/12/02	4956'-4973'	4 JSPF 68 holes
9/12/02	4943'-4950'	4 JSPF 28 holes
9/12/02	4851'-4862'	4 JSPF 44 holes
9/12/02	4664'-4689'	2 JSPF 50 holes



**Wells Draw Unit #14A-34-8-16**  
 729' FSL & 1963' FWL  
 SESW Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-32330; Lease #UTU-47171

TD @ SHOE @ 6206'

# SOUTH WELLS DRAW #15-34-8-16

Spud date: 9/05/00  
 Put on production: 10/18/00  
 GL: 5629' KB: 5639'

Initial production; 36.3 BOPD,  
 31.4 MCFD, 23 BWPD

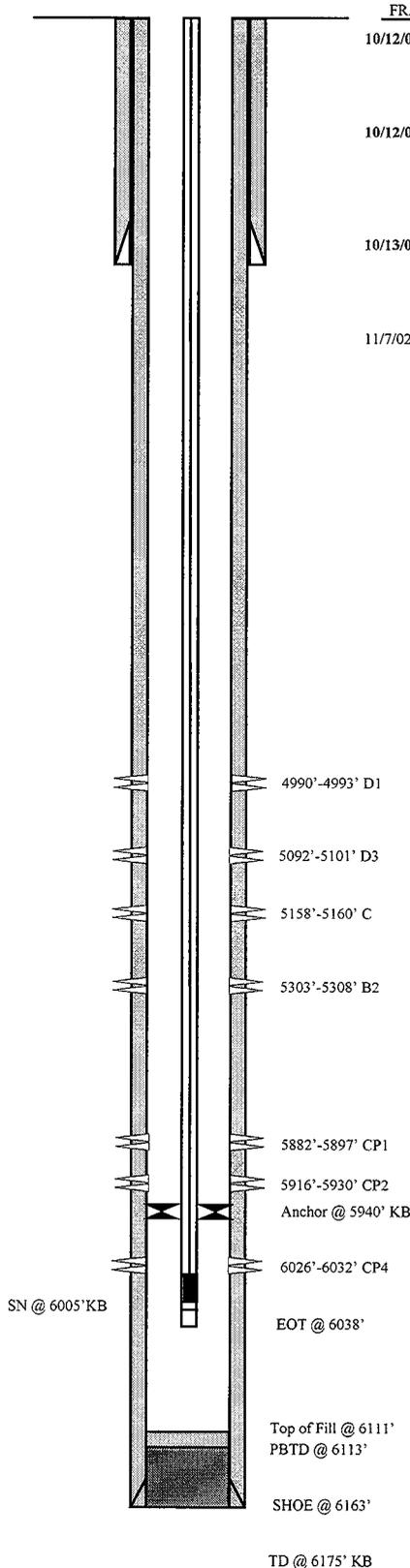
Wellbore Diagram

**SURFACE CASING**  
 CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (304.01' KB)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 155 sxs Class "G" cmt

**PRODUCTION CASING**  
 CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts. (6163.29')  
 HOLE SIZE: 7-7/8"  
 TOTAL DEPTH: 6175'  
 CEMENT DATA: 350 sk Prem. Lite II  
 mixed & 696 sxs 50/50 POZ.  
 CEMENT TOP AT: 324' per CBL

**TUBING**  
 SIZE/GRADE/WT: 2-3/8" (J-55 / 4.7#)  
 NO. OF JOINTS: 186 JTS (5926.55')  
 TUBING ANCHOR: 5939.75'  
 NO. OF JOINTS: 2 JTS (64.5') 6004.25  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 6005.35' KB  
 NO. OF JOINTS: 1 JT (32.5')  
 TOTAL STRING LENGTH: EOT @ 6038.25'

**SUCKER RODS**  
 POLISHED ROD: 1-1/4" x 22'  
 SUCKER RODS: 2 1-1/4" weight rods, 4 1-1/2" weight rods,  
 15 - 3/4" scraped rods, 129 - 3/4" plain rods, 89 - 3/4"  
 scraped rods, 1-8', 1-6', 1-4' x 3/4" pony rods  
 PUMP SIZE: 2" x 1-1/2" x 16" RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: Dual Laterolog, GR, SP, Spectral Density-Spaced  
 Neutron, CBL



**FRAC JOB**

10/12/00 5882'-6032'	<b>Frac CP sds as follows:</b> Frac with 103,000# 20/40 sand in 574 bbls Viking I-25 fluid. Treat at 1600 psi @ 31 BPM. ISIP 1800 psi.
10/12/00 5158'-5308'	<b>Frac B-2/C sds as follows:</b> Unable to break C Sand perms; decide to leave untreated. Frac B-2 Sands with 22,000# 20/40 sand in 152 bbls Viking I-25 fluid. Treat at 2800 psi @ 21 BPM.
10/13/00 4990'-5101'	<b>Frac D sds as follows:</b> Frac with 59,820# 20/40 sand in 351 bbls Viking I-25 fluid. Treat at 1900 psi @ 30 BPM. ISIP 2170 psi.
11/7/02	Tubing leak. Update rod and tubing details.

**PERFORATION RECORD**

Interval	JSPF	Holes
4990'-4993'	4 JSPF	12 holes
5092'-5101'	4 JSPF	36 holes
5158'-5160'	4 JSPF	8 holes
5303'-5308'	4 JSPF	20 holes
5882'-5879'	4 JSPF	60 holes
5916'-5930'	4 JSPF	56 holes
6026'-6032'	4 JSPF	24 holes



South Wells Draw #15-34-8-16  
 660 FSL & 1980 FEL  
 SWSE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31670; Lease #UTU-76787

# Monument Butte Federal #16-34-8-16

Spud Date: 10/5/97  
 Put on Production: 11/15/97  
 GL: 5605.7' KB: 5617.7'

Initial Production: 65 BOPD,  
 85 MCFPD, 46 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (299')  
 DEPTH LANDED: 298'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cement, est 5 bbls to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts. (6006')  
 DEPTH LANDED: 5999'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 420 sk Hibond mixed & 390 sxs Thixotropic  
 CEMENT TOP AT:

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 174 jts. (5432.13')  
 TUBING ANCHOR: 5444.13'  
 NO. OF JOINTS: 3 jts. (91.88)  
 SEATING NIPPLE: 2-7/8"  
 SN LANDED AT: 5538.81'  
 NO. OF JOINTS: 2 jts. (62.64')  
 TOTAL STRING LENGTH: 5603.00'

**SUCKER RODS**

POLISHED ROD: 1 1/2" X 22' polish  
 SUCKER RODS: 4-1 1/2" wt rods; 4-3/4" scraped; 120-3/4" plain; 93-3/4" scraped; 1-6"x3/4" pony rod  
 PUMP SIZE: 2-1/2 x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5 SPM

**FRAC JOB**

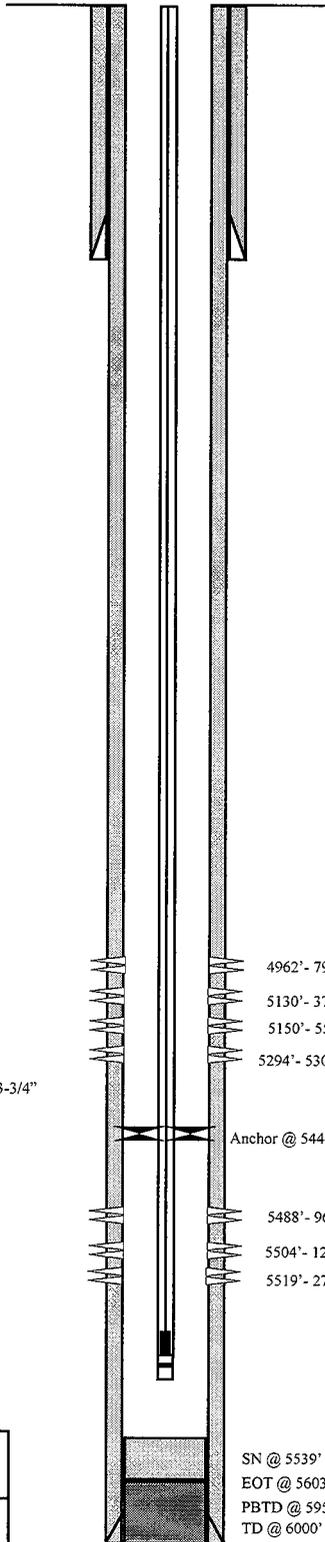
11/5/97 5488'-5527' **Frac A sand as follows:**  
 97,300# 20/40 sand in 509 bbls Boragel.  
 Breakdown @ 3396 psi. Treated @ avg  
 press of 1800 psi w/avg rate of 26.3 BPM.  
 ISIP-2336 psi, 5 min 2104 psi. Flowback  
 on 12/64" ck for 3-1/2 hrs & died.

11/7/97 5294'-5300' **Frac B sand as follows:**  
 88,400# 20/40 sand in 482 bbls Boragel.  
 Breakdown @ 3450 psi. Treated @ avg  
 press of 2550 psi w/avg rate of 24 BPM.  
 ISIP-2383, 5 min 2315. Flowback on  
 12/64" ck for 3-1/2 hrs & died.

11/9/97 5130'-5155' **Frac C sand as follows:**  
 97,300# 20/40 sand in 498 bbls Boragel.  
 Breakdown @ 2719 psi. Treated @ avg  
 press of 2200 psi w/avg rate of 24.3 BPM.  
 ISIP-2586 psi, 5 min 2536 psi. Flowback  
 on 12/64" ck for 3-1/2 hrs & died.

11/12/97 4962'-4979' **Frac D sand as follows:**  
 88,300# 20/40 sand in 474 bbls Boragel.  
 Breakdown @ 2844 psi. Treated @ avg  
 press of 2000 psi w/avg rate of 24 BPM.  
 ISIP-2534 psi, 5 min 2460 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

8/23/01 Rod job. Updated rod and tubing details.  
 02/27/06 Pump Change. Update rod and tubing  
 details.  
 5/19/09 Tubing Leak. Updated r & t details.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
11/5/97	5488'-5496'	4 JSPF	32 holes
11/5/97	5504'-5512'	4 JSPF	32 holes
11/5/97	5519'-5527'	4 JSPF	32 holes
11/6/97	5294'-5300'	4 JSPF	24 holes
11/8/97	5130'-5137'	4 JSPF	28 holes
11/8/97	5150'-5155	4 JSPF	20 holes
11/11/97	4962'-4979'	4 JSPF	68 holes

**NEWFIELD**

Federal #16-34-8-16  
 660 FSL & 660 FEL  
 SESE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31913; Lease #U-16535

Attachment E-11

# South Wells Draw #3-3

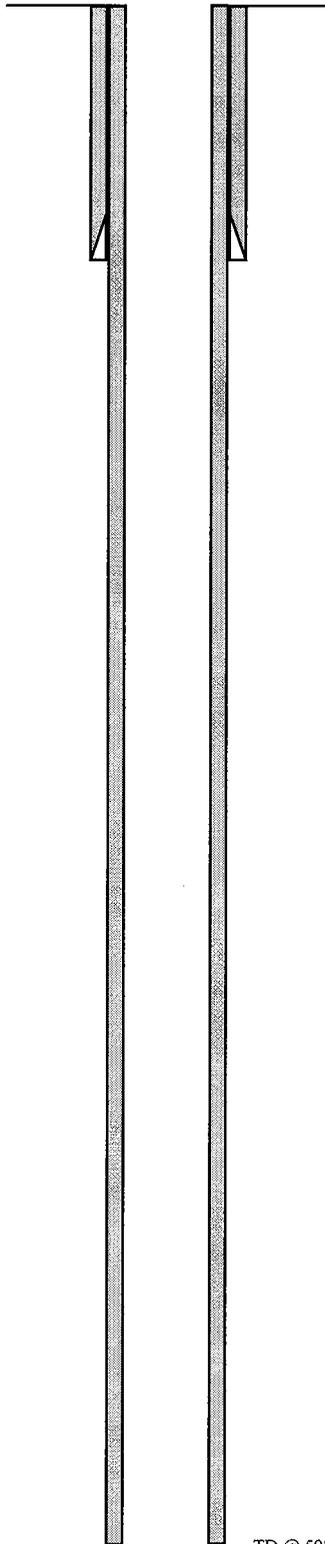
Initial Production: Well was P&A

Spud Date: 5/22/00  
Put on Prod: P&A on 5/30/00  
GL: 5522' KB: 5632'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (303.9')  
DEPTH LANDED: 301.5'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 141 sx Class "G" plus additives



PLUGGING DETAIL:

Plugged hole with total of 438 sx Class "G" cmt plus additives. Welded on dry hole marker. Cleaned pits and released rig on 5/30/00. Plugging operations were witnessed by Bill Owens from Vernal District BLM office.

TD @ 5970'



**South Wells Draw #3-3**

469' FNL and 2169' FWL

NENW Section 3-T9S-R16E

Duchesne Co, Utah

API #43-013-32136 Lease #U-77338

BDH 4/26/01

# South Wells Draw 2-3-9-16

Attachment E-12

Spud Date: 10-18-2006  
Put on Production: 2-26-2007

Initial Production: BOPD,  
MCFD, BWPD

GL: 5621' KB: 5633'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (310.28')  
DEPTH LANDED: 314.77' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts. (6284.59')  
DEPTH LANDED: 6297.84' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 104'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 192 jts (6066.48')  
TUBING ANCHOR: 6078.48' KB  
NO. OF JOINTS: 1 jts (31.64')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 6112.92' KB  
NO. OF JOINTS: 2 jts (63.14')  
TOTAL STRING LENGTH: EOT @ 6177.61' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2' X 3/4" pony rods, 99- 3/4" guided rods, 129- 3/4" plain rods, 10- 3/4" guided rods, 6- 1 1/2" weighted rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 14.5' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

**FRAC JOB**

02-16-07 6102-6125' **Frac CP5 sands as follows:**  
29892# 20/40 sand in 381 bbls Lightning 17 frac fluid. Treated @ avg press of 2343 psi w/avg rate of 24.4 BPM. ISIP 2080 psi. Calc flush: 6100 gal. Actual flush: 5628 gal.

02-16-07 5860-5870' **Frac CP2, & CP1 sands as follows:**  
24890# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 1964 psi w/avg rate of 24.4 BPM. ISIP 1850 psi. Calc flush: 5858 gal. Actual flush: 5334 gal.

02-16-07 5464-5470' **Frac A 3 sands as follows:**  
24472# 20/40 sand in 329 bbls Lightning 17 frac fluid. Treated @ avg press of 2464 psi w/avg rate of 24.4 BPM. ISIP 2140 psi. Calc flush: 5462 gal. Actual flush: 5418 gal.

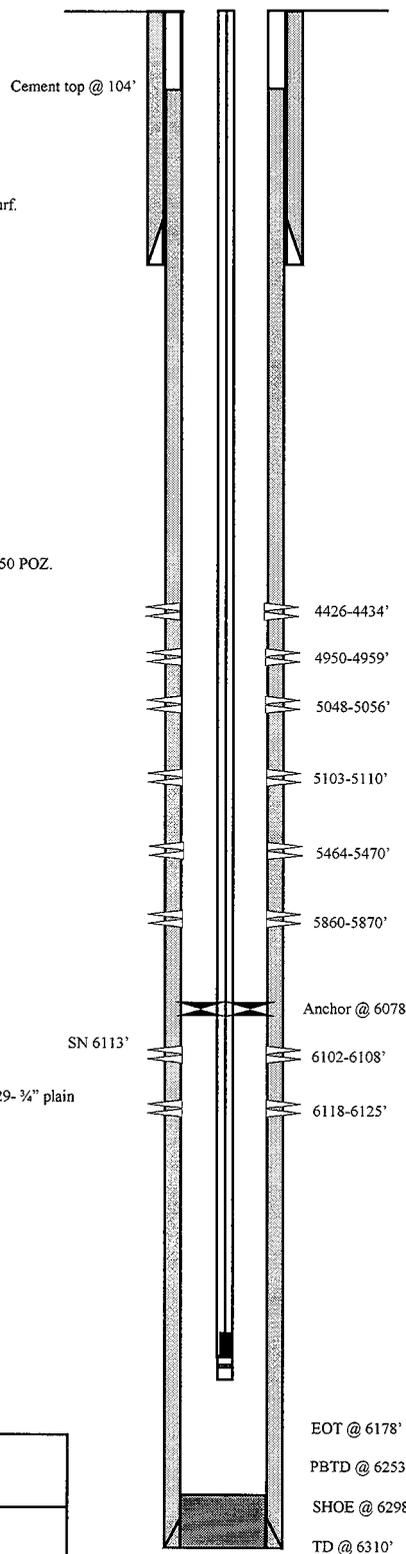
02-20-07 5048-5110' **Frac C, D3 sands as follows:**  
59650# 20/40 sand in 487 bbls Lightning 17 frac fluid. Treated @ avg press of 2067 w/ avg rate of 24.6 BPM. ISIP 2175 psi. Calc flush: 5046 gal. Actual flush: 4578 gal.

02-20-07 4950-4959' **Frac D1 sands as follows:**  
45245# 20/40 sand in 408 bbls Lightning 17 frac fluid. Treated @ avg press of 2190 w/ avg rate of 24.7 BPM. ISIP 2320 psi. Calc flush: 4948 gal. Actual flush: 4410 gal.

02-20-07 4426-4434' **Frac GB4 sands as follows:**  
37352# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 2155 w/ avg rate of 25 BPM. ISIP 2300 psi. Calc flush: 4424 gal. Actual flush: 4326 gal.

**PERFORATION RECORD**

01-07-07	6118-6125'	4 JSPF	28 holes
01-07-07	6102-6108'	4 JSPF	24 holes
02-16-07	5860-5870'	4 JSPF	40 holes
02-16-07	5464-5470'	4 JSPF	24 holes
02-16-07	5103-5110'	4 JSPF	28 holes
02-16-07	5048-5056'	4 JSPF	28 holes
02-20-07	4950-4959'	4 JSPF	36 holes
02-20-07	4426-4434'	4 JSPF	32 holes



**NEWFIELD**

**South Wells Draw 2-3-9-16**

516' FNL & 1975' FEL

NW/NE Section 3-T9S-R16E

Duchesne Co, Utah

API # 43-013-32963; Lease # UTU-47172

**Multi-Chem Group, LLC**

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

Attachment F

1 of 4

multi-chem



**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION (158)**  
 Well Name: **MON 10-34-8-16**  
 Sample Point: **Tank**  
 Sample Date: **7 /27/2009**  
 Sales Rep: **Randy Huber**  
 Lab Tech: **Peter Poulsen**

Sample ID: **WA-29288**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	8/3/2009	<b>Cations</b>	<b>mg/L</b>	<b>Anions</b>	<b>mg/L</b>
Temperature (°F):	160	Calcium (Ca):	40.00	Chloride (Cl):	4211.00
Sample Pressure (psig):	0	Magnesium (Mg):	73.20	Sulfate (SO <sub>4</sub> ):	253.00
Specific Gravity (g/cm <sup>3</sup> ):	1.0040	Barium (Ba):	144.00	Dissolved CO <sub>2</sub> :	0.01
pH:	9	Strontium (Sr):	-	Bicarbonate (HCO <sub>3</sub> ):	1708.00
Turbidity (NTU):	-	Sodium (Na):	3232.00	Carbonate (CO <sub>3</sub> ):	-
Calculated T.D.S. (mg/L):	9672	Potassium (K):	-	H <sub>2</sub> S:	10.00
Molar Conductivity (µS/cm):	14654	Iron (Fe):	0.40	Phosphate (PO <sub>4</sub> ):	-
Resitivity (Mohm):	0.6824	Manganese (Mn):	0.08	Silica (SiO <sub>2</sub> ):	-
		Lithium (Li):	-	Fluoride (F):	-
		Aluminum (Al):	-	Nitrate (NO <sub>3</sub> ):	-
		Ammonia NH <sub>3</sub> :	-	Lead (Pb):	-
				Zinc (Zn):	-
				Bromine (Br):	-
				Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> · 2H <sub>2</sub> O		Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO <sub>4</sub>		Barium Sulfate BaSO <sub>4</sub>		Calculated CO <sub>2</sub> psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
160	0	47.11	52.61	0.01	-1676.80	0.01	-1520.40	-	-	304.73	243.03	0.02
80	0	34.31	63.13	0.01	130.63	0.00	-2465.60	-	-	1441.51	244.39	0.02
100	0	40.50	58.63	0.01	133.75	0.00	-2309.60	-	-	947.88	244.21	0.02
120	0	44.60	55.26	0.01	132.20	0.00	-2078.40	-	-	637.23	243.95	0.02
140	0	46.81	53.22	0.01	129.77	0.01	-1805.70	-	-	436.95	243.58	0.02
160	0	47.11	52.61	0.01	126.48	0.01	-1520.40	-	-	304.73	243.03	0.03
180	0	45.71	53.22	0.01	119.49	0.01	-1244.20	-	-	215.64	242.24	0.03
200	0	42.99	54.63	0.01	104.92	0.02	-991.21	-	-	154.64	241.13	0.03
220	2.51	39.11	56.45	0.01	87.84	0.03	-777.84	-	-	110.33	239.51	0.03
240	10.3	34.93	57.17	0.01	71.21	0.04	-586.47	-	-	81.03	237.36	0.03
260	20.76	30.53	55.04	0.01	57.14	0.07	-426.86	-	-	60.19	234.49	0.03
280	34.54	26.12	48.76	0.02	45.60	0.12	-296.91	-	-	45.05	230.68	0.03
300	52.34	21.88	40.97	0.02	36.13	0.19	-193.74	-	-	33.77	225.61	0.02

**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

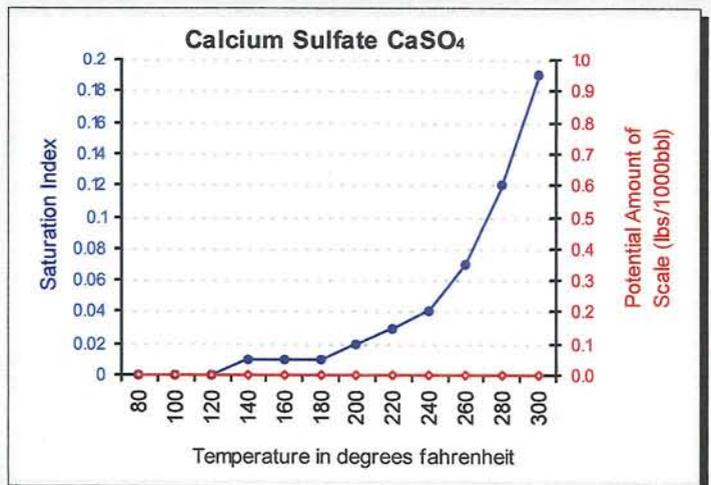
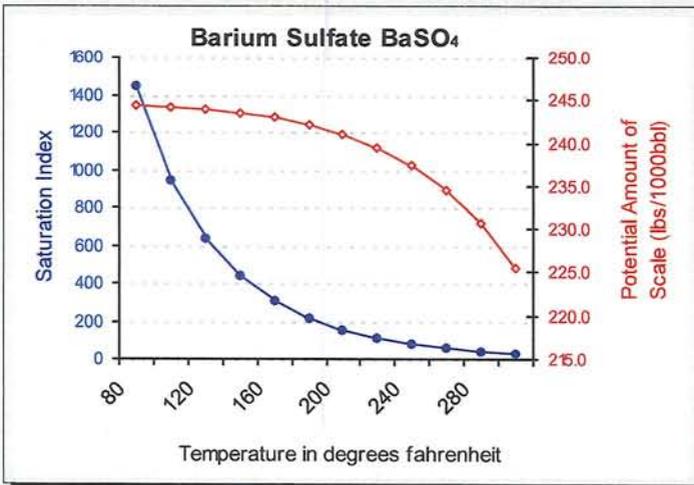
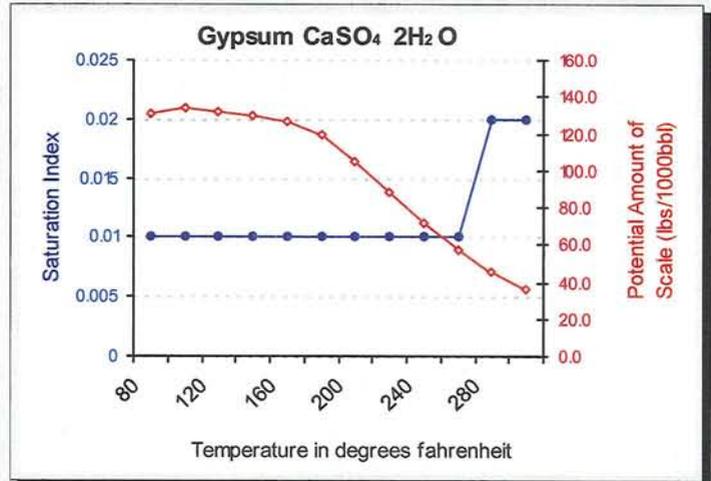
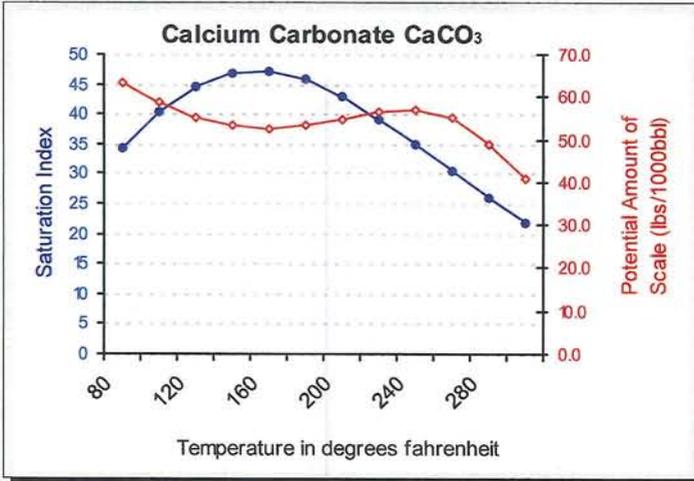
**Notes:**



**Scale Prediction Graphs**

Well Name: **MON 10-34-8-16**

Sample ID: **WA-29288**



**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> psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
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:**

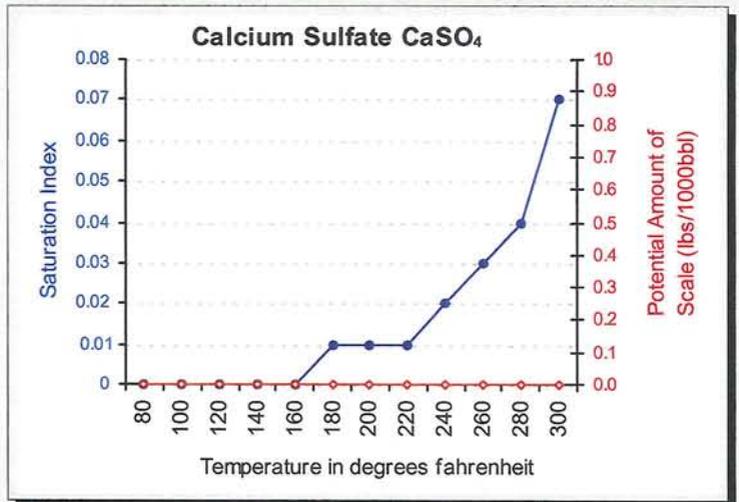
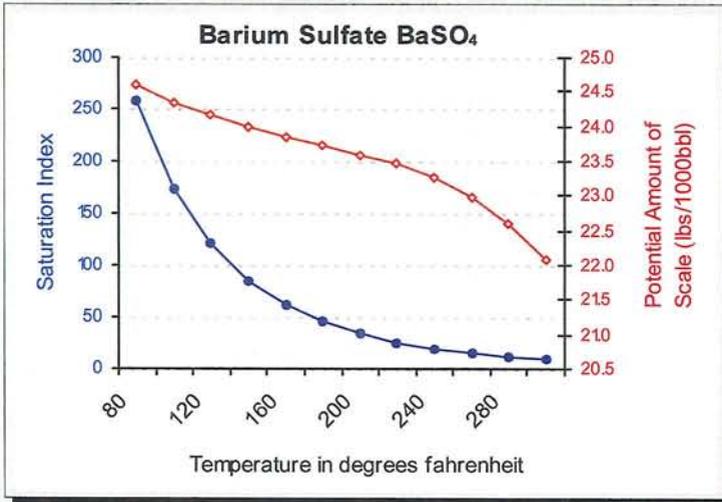
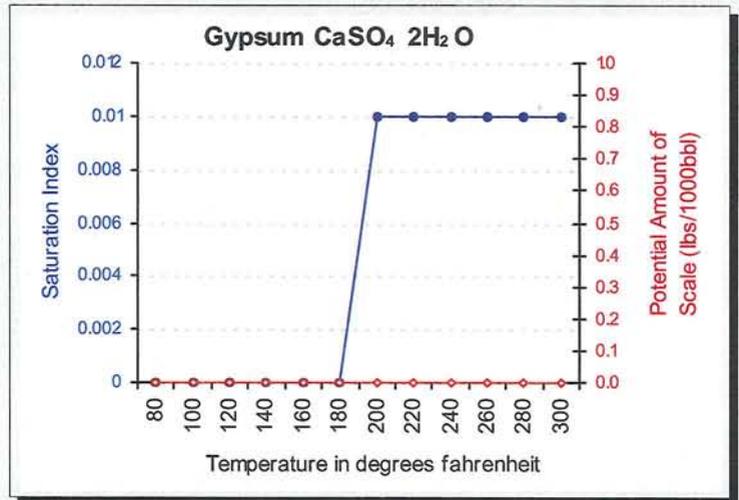
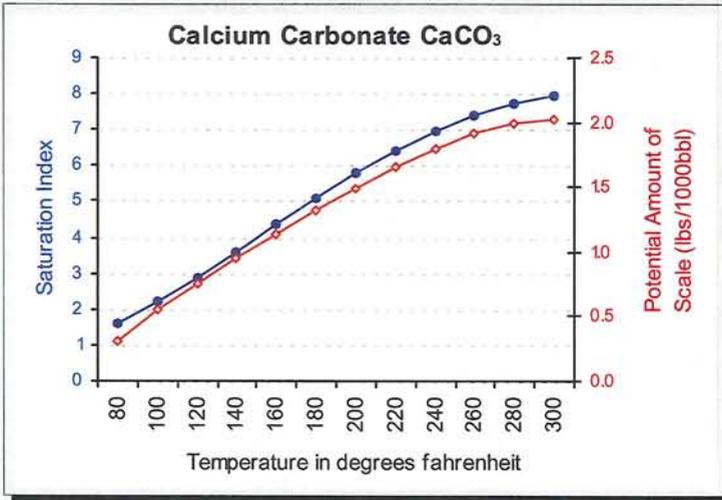
Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
 Gypsum Scaling Index is negative from 80°F to 300°F  
 Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
 Strontium Sulfate scaling was not evaluated  
 Barium Sulfate scale is indicated at all temperatures from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

**Notes:**

**Scale Prediction Graphs**

Well Name: **Mon Butte Injection**

Sample ID: **WA-19260**



**Attachment "G"**

**Monument Butte Federal 10-34-8-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5917	5964	5941	2097	0.79	2059
5798	5816	5807	3100	0.97	3062
5506	5517	5512	2934	0.97	2898
4996	5008	5002	2014	0.84	1982 ←
4462	4490	4476	2500	0.99	2471
				<b>Minimum</b>	<u><u>1982</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.

LOMAX EXPLORATION COMPANY

MONUMENT FEDERAL #10-34  
NW/SE Section 34, T8S, R16E  
Duchesne County, Utah  
AFE #81892MBU  
Proposed TD 6400'

Attachment G-1  
1 of 9

DAILY COMPLETION REPORT

- 11/10/92 - **Present Operation:** Rig down & move off (DAY 1)  
**Summary:** 11/9/92 - Run 6400.33' of 5-1/2" J-55 17# casing set @ 6400'. Circulate & cond hole. Cement 5-1/2" casing w/Dowell using 348 sks Hi-Lift + additives 5% D-44, followed by 428 sks 50/50 Poz/G 2% D-20 10% D-44. Displace with water. ND, set slips & cut off csg. Clean mud pits. Rig down. Chandler Drilling Rig #7 was released @ 1:30 a.m. on 11/10/92.  
Daily Costs \$ 52,698 Cumulative Costs \$ 52,698
- 11/12/92 - **Present Operation:** Tally tbq. (DAY 2)  
**Summary:** 11/11/92 - Clean mud out of cellar. Cut off surface casing and install wellhead. Apply coating to exposed surface casing. Fill in cellar. Set deadmen & spot in frac tank. MI & RU B&B Well Service. RU for tubing, NU BOP's. SDFN.  
Daily Costs \$ 10,265 Cumulative Costs \$ 62,963
- 11/13/92 - **Present Operation:** Pressure test csg. (DAY 3)  
**Summary:** 11/12/92 - PU bit, 5-1/2" scraper, 200 jts tbq. Tag PBD @ 6345'. RU pump & displace fluid in hole w/treated 2% KCL wtr. POOH w/tbg. RU Schlumberger, Run CBL/VDL/GR from PBD to 1150'. Found cement top @ 1354'. RD WL. SDFN  
Daily Costs \$ 6,871 Cumulative Costs \$ 69,834
- 11/14/92 - **Present Operation:** Frac CP sand. (DAY 4)  
**Summary:** 11/13/92 - Test csg to 3000#. RU Schlumberger & perforate the CP sand 5951-64, 5917-27, 5878-82, 5864-67 w/4 SPF. Breakdown perms individually with rig pump. SDFN.  
Daily Costs \$ 8,900 Cumulative Costs \$ 78,734
- 11/15/92 - **Present Operation:** Flowing to frac tank. (DAY 5)  
**Summary:** 11/14/92 - RU Dowell/Schlumberger and frac the CP sand as follows:

25,000 gals	Pad
1,000 gals	1 ppg 16/30 sand
1,500 gals	2 ppg 16/30 sand
2,000 gals	3 ppg 16/30 sand
2,000 gals	4 ppg 16/30 sand
4,000 gals	5 ppg 16/30 sand
4,500 gals	6 ppg 16/30 sand
3,500 gals	7 ppg 16/30 sand
2,500 gals	8 ppg 16/30 sand
5,663 gals	Flush

Max TP = 3484 @ 35 BPM; Avg TP = 2100 @ 35 BPM  
 ISIP - 2097; 5 min - 1895; 10 min - 1817; 15 min - 1753  
 Total: 46,000 gals gelled fluid, 109,000# 16/30 sand.  
 Flow back for 10.5 hrs - recovered 138 bbls gelled fluid - no sand or oil.  
 Leave open to frac tank @ 530# on 8/64" choke.  
 Daily Costs \$41,760 Cumulative Costs \$120,494

Attachment G-1  
 2 of 9

11/16/92 - **Present Operation:** RU Schlumberger, set RBP. (DAY 6)  
**Summary:** 11/15/92 - Well flowing to frac tank (no choke). Flowed for 10 hrs - recovered 82.6 bbls. On last hour, trace of oil & gas. Well stopped flowing. Left open to frac tank.  
 Daily Costs \$ 539 Cumulative Costs \$121,033

11/17/92 - **Present Operation:** RIH w/wireline; set RBP (DAY 7)  
**Summary:** 11/16/92 - RU Schlumberger & perforate LDC sand 5798-5816. RU Dowell, breakdown perfs w/balls, surged balls off. Frac the LDC sand as follows:

13,000 gals	Pad	
1,000 gals	1 ppg	16/30 sand
1,000 gals	2 ppg	16/30 sand
2,000 gals	3 ppg	16/30 sand
2,000 gals	4 ppg	16/30 sand
2,000 gals	5 ppg	16/30 sand
3,000 gals	6 ppg	16/30 sand
3,000 gals	7 ppg	16/30 sand
1,125 gals	8 ppg	16/30 sand
5,614 gals	Flush	

Max TP = 3923 @ 30 BPM; Avg TP = 3000 @ 30 BPM  
 ISIP - 3100; 5 min - 2578; 10 min - 2307; 15 min - 2211  
 Total: 28,125 gals gelled fluid, 75,000# 16/30 sand.  
 After 4 hr SI, flow back for 5.5 hrs - recovered 74.1 bbls gelled fluid w/trace of oil & gas. Leave open to frac tank on a 8/64" choke.  
 Daily Costs \$38,998 Cumulative Costs \$160,031

11/18/92 - **Present Operation:** Flowing to frac tank. (DAY 8)  
**Summary:** 11/17/92 - Flowing on 8/64" choke @ 360 psi. Flowed for 10 hrs - recovered 194 bbls fluid - 25% oil cut, no sand. Leave flowing to frac tank @ 0# (removed choke).  
 Daily Costs \$ 3,163 Cumulative Costs \$163,194

11/19/92 - **Present Operation:** RIH w/wireline; set RBP (DAY 9)  
**Summary:** 11/18/92 - Well flowing to frac tank. Flowed for 14 hrs. - recovered 35 bbls 80% oil. RU WL, RIH & set RBP @ 5580, test to 3000#. Dump 2 sks sand on plug. RIH & perforate the A-3 sand interval @ 5506'-17' w/4" gun 4 SPF. RD WL. RU Dowell & breakdown; ball off perfs @ 5506-17. Good ball action. Frac the A-3 sand as follows:

13,500 gals	Pad	
1,000 gals	1 ppg	16/30 sand
1,000 gals	2 ppg	16/30 sand
500 gals	3 ppg	16/30 sand
750 gals	4 ppg	16/30 sand
1,250 gals	5 ppg	16/30 sand
2,000 gals	6 ppg	16/30 sand
2,500 gals	7 ppg	16/30 sand
2,000 gals	8 ppg	16/30 sand
5,370 gals	Flush	

Max TP = 3940 @ 25 BPM; Avg TP = 3100 @ 25 BPM  
 ISIP - 2934; 5 min - 2065; 10 min - 1973; 15 min - 1973  
 Total: 24,500 gals gelled fluid, 60,430# 16/30 sand.  
 Start flow back after 4 hr. SI. Tbg psi = 1500#. Flowed for 11 hrs on 8/64" choke. Recovered 154 bbls gelled fluid - no sand, no oil. TP = 120#.  
 Daily Costs \$32,730 Cumulative Costs \$195,924

Attachment G-1  
 3 of 9

11/20/92 - **Present Operation:** Swabbing D sand. (DAY 10)  
**Summary:** 11/19/92 - RU WL, RIH & set RBP @ 5070'. Dump 2 sks sand on plug. RIH & perforate D sand @ 4996'-5000', 5002'-5008' w/4 SPF. RIH w/tbg, set PKR @ 4897'. RU Dowell, break down & ball off perfs. Surge balls off perfs. RU swab equipment. Flowed 14.5 bbls. Made 6 swab runs & recovered 40 bbls fluid - 10% oil on last run. Total recovered = 54.6 bbls.  
 Daily Costs \$ 8,822 Cumulative Costs \$204,746

11/21/92 - **Present Operation:** POOH w/BHP tools. (DAY 11)  
**Summary:** 11/20/92 - SITP = 120 psi. RU swab equipment. IFL @ 3800'. Make 4 swab runs - recover 14.5 bbls fluid to swab tbg dry. Recover 50% oil on #1 swab run. Make 4 hourly runs - recover 1.68 bbls water w/25% oil cut. Recover 0 bbls fluid on last 2 hourly runs. Leave fluid level @ 4800'. RD swab equipment. RU Sun Oil Field Service. RIH w/18 hr BHP survey. Tools set @ 5000'. SWI  
 Daily Costs \$ 2,281 Cumulative Costs \$207,027

11/22/92 - **Present Operation:** RIH w/retrieving head. (DAY 12)  
**Summary:** 11/21/92 - POOH w/BHP tool. In 18 hrs built from 126# to 744#; building @ 28#/hr. Fluid level @ 3000'. POOH w/tbg, LD PKR. RU Dowell and frac the D sand @ 4996'- 5008' as follows:

6,000 gals	Pad
1,000 gals	2 ppg 16/30 sand
1,000 gals	4 ppg 16/30 sand
1,500 gals	6 ppg 16/30 sand
1,250 gals	8 ppg 16/30 sand
4,850 gals	Flush

Max TP = 2850 @ 25 BPM; Avg TP = 2400 @ 25 BPM  
 ISIP - 2014; 5 min - 1739; 10 min - 1588; 15 min - 1638  
 Total: 10,750 gals gelled fluid, 28,500# 16/30 sand.  
 After 4 hr SI, start flow back w/800# & 5 gals/min. Flowed 2 hrs @ 5 gals/min, psi = 400#; 1 hr @ 10 gals/min, psi = 0#. Open @ 0#, flowed 1 gal/min until it died. SWI. Total fluid recovered = 32.9 bbls for 12.5 hrs.  
 Daily Costs \$20,980 Cumulative Costs \$228,007

11/23/92 - **Present Operation:** Swabbing. (DAY 13)  
**Summary:** 11/22/92 - PU retrieving head. RIH w/2-7/8" tbg, tag sand fill @ 4979'. Clean out sand to 5055'. Pull tbg tail up to 4895'. RU swab equipment. IFL @ surface. Make 19 swab runs - recover 129.2 bbls water, frac fluid. Avg oil cut - 10%; fluid moderately gas cut. Fluid level holding @ 2500'. SWI  
 Daily Costs \$ 2,461 Cumulative Costs \$230,468

11/24/92 - **Present Operation:** Circulating. (DAY 14)  
**Summary:** 11/23/92 - SITP - 160#, SICP - 75#. RU swab equipment. IFL @ 1200'. Made 1 swab run - recovered 5.79 bbls fluid - 50% oil cut. Made 10 swab runs - recovered 64.1 bbls fluid - last few runs 80-100% oil cut. Total recovered = 69.89 bbls fluid. RD swab equip. RU for tbg. RIH, circ sand off plug @ 5070'. POOH & LD RBP. RIH w/retrieving head, tag sand @ 5445'. Circ out sand to 5558'. Circ bottoms up. Left EOT @ 5445'. SDFN  
 Daily Costs 3,279 Cumulative Costs \$233,747

- 11/25/92 - **Present Operation:** RIH w/production string. (DAY 15)  
**Summary:** 11/24/92 - Finish RIH w/retrieving head, tag sand @ 5558'. Clean out sand to RBP @ 5580'. Release plug, POOH, LD plug. RIH w/tbg & retrieving head. Tag sand @ 5606'. Clean out sand to RBP @ 5850'. Release plug. RD circulating equipment. POOH. LD plug & retrieving head. Make up bottom hole assembly. RIH w/20 stands. SDFN  
Daily Costs 3,244 Cumulative Costs \$236,991
- 11/26/92 - **Present Operation:** Installing production equip. (DAY 16)  
**Summary:** 11/25/92 - SICP & SITP = 0 psi. Finish RIH w/BHA & 2-7/8" tbg. Tag sand fill @ 6150'. RU circ equip, clean out sand fill to 6292'. Circ bottoms up. Pull EOT to 5984'. ND BOP's. Set tbg anchor w/13,000# tension. NU wellhead equip. RU Sunrise Hot Oil and flush tbg w/60 bbls KCL fluid. RIH w/rods & 2-1/2"x 1-1/2"x 16' Top hold down Trico pump. Start hooking up production equipment.  
Daily Costs \$19,839 Cumulative Costs \$256,830
- 11/27/92 - **Present Operation:** Installing production equip. (DAY 17)  
**Summary:** 11/26/92 - Installing production equipment. Put well on production @ 12:00 p.m. 11/26/92. In 20 hrs - made 0 bbls oil, 150 bbls water.  
Daily Costs \$ 2,895 Cumulative Costs \$259,725
- 11/28/92 - **Present Operation:** Installing production equip. (DAY 18)  
**Summary:** 11/27/92 - 24 hrs - made 0 bbls oil, 153 bbls water. Installing production equipment.  
Daily Costs \$ 2,174 Cumulative Costs \$261,899
- 11/29/92 - **Present Operation:** Installing production equip. (DAY 19)  
**Summary:** 11/28/92 - 24 hrs - made 104 bbls oil, 71 bbls water. RD B&B Well Service. Clean location. Leave well pumping to frac tank. Installing production equipment.  
Daily Costs \$ 2,602 Cumulative Costs \$264,501
- 11/30/92 - **Present Operation:** Installing production equip. (DAY 20)  
**Summary:** 11/29/92 - 24 hrs - made 132 bbls oil, 35 bbls water. Installing production equipment.  
Daily Costs \$ 2,246 Cumulative Costs \$266,747
- 12/01/92 - **Present Operation:** Installing production equip. (DAY 21)  
**Summary:** 11/30/92 - 24 hrs - made 123 bbls oil, 23 bbls water. Working on treater & insulating flow lines.  
Daily Costs \$ 943 Cumulative Costs \$267,690
- 12/02/92 - **Present Operation:** Well on production. (DAY 22)  
**Summary:** 12/01/92 - 24 hrs - made 115 bbls oil, 41 bbls water. Finish working on treater & insulating flow lines.  
Daily Costs \$ 348 Cumulative Costs \$268,038
- 12/03/92 - **Present Operation:** Well on production. (DAY 23)  
**Summary:** 12/02/92 - 24 hrs - made 162 bbls oil, 60 bbls water, 64 MCF. Working on gas lines. Pick up temporary water lines.  
Daily Costs \$ 808 Cumulative Costs \$268,846
- 12/04/92 - **Present Operation:** Well on production. (DAY 24)  
**Summary:** 12/03/92 - 24 hrs - made 115 bbls oil, 85 bbls water, 192 MCF. Plumbing drainline, working on gas lines, build berm around tanks.  
Daily Costs \$ 1,717 Cumulative Costs \$270,563
- 12/07/92 - 12/4/92 - 24 hrs - made 97 bbls oil, 44 bbls water, 204 MCF  
Daily Costs \$ 140 Cumulative Costs \$270,703

**FINAL REPORT**



Attachment G-1  
5 of 9

### DAILY WORKOVER REPORT

WELL NAME: MBF 10-34-8-16

Report Date: Feb. 5, 2002

Day: 01

Operation: Workover

Rig: Pennant #18

#### WELL STATUS

Surf Csg: <u>8 5/8</u>	@ <u>314'</u>	Prod Csg: <u>5 1/2"</u>	@ <u>6400'</u>	WT: <u>17#</u>	Csg PBTD: <u>6345'</u>
Tbg: <u>Size: 2 7/8</u>	Wt: <u>6.5#</u>	Grd: <u>J-55</u>	Pkr/EOT @: <u>5987'</u>	BP/Sand PBTD: <u>6292'</u>	

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D sds	<u>4996-5000'</u>	<u>4/16</u>	CP sds	<u>5878-5882'</u>	<u>4/16</u>
D sds	<u>5002-5008'</u>	<u>4/24</u>	CP sds	<u>5917-5927'</u>	<u>4/40</u>
A sds	<u>5506-5517'</u>	<u>4/44</u>	CP sds	<u>5951-5964'</u>	<u>4/52</u>
CP sds	<u>5798-5816'</u>	<u>4/72</u>			
CP sds	<u>5864-5867'</u>	<u>4/12</u>			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: Feb. 4, 2002 SITP: 0 SICP: 0

MIRU Pennant #18. RU HO trk to csg & pump 100 BW @ 225°F. Unseat rod pump. Flush tbg & rods W/ 60 BW @ 225°F. Re-seat rod pump. Strip off flow T. Fill tbg W/ 5 BW. Pressure test tbg to 2000 psi. Good test. Unseat pump. TOH W/ rod string. LD pump. SIFN W/ est 165 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: <u>0</u>	Starting oil rec to date: <u>0</u>
Fluid <u>lost/recovered</u> today: <u>165</u>	Oil <u>lost/recovered</u> today: _____
Ending fluid to be recovered: <u>165</u>	Cum oil recovered: <u>0</u>
IFL: _____ FFL: _____ FTP: _____	Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

#### TUBING DETAIL

#### ROD DETAIL

#### COSTS

KB 12'		Pennant rig	\$1,000
185 2 7/8 J-55 tbg 5887'		IPC water & truck	\$200
TA 2.75' 5890'		Zubiate HO trk	\$400
1 2 7/8 J-55 tbg 5921'		IPC trucking	\$200
SN 1.10' 5922'		Hagman trucking	\$800
2 2 7/8 J-55 tbg 5987'		Randys pmp/TA repair	\$1,300
EOT 5987.04'		IPC Supervision	\$200

Workover Supervisor: Gary Dietz

DAILY COST:	\$4,100
TOTAL WELL COST:	\$4,100





Attachment G-1  
7 of 9

**DAILY WORKOVER REPORT**

WELL NAME: MBF 10-34-8-16

Report Date: Feb. 7, 2002

Day: 03

Operation: Workover

Rig: Pennant #18

**WELL STATUS**

Surf Csg: 8 5/8 @ 314' Prod Csg: 5 1/2" @ 6400' WT: 17# Csg PBTD: 6345'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 4458' BP/Sand PBTD: 6123'  
 BP/Sand PBTD: 4560'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	<u>4462-4464'</u>	<u>4/8</u>	CP sds	<u>5798-5816'</u>	<u>4/72</u>
GB4 sds	<u>4481-4490'</u>	<u>4/36</u>	CP sds	<u>5864-5867'</u>	<u>4/12</u>
D sds	<u>4996-5000'</u>	<u>4/16</u>	CP sds	<u>5878-5882'</u>	<u>4/16</u>
D sds	<u>5002-5008'</u>	<u>4/24</u>	CP sds	<u>5917-5927'</u>	<u>4/40</u>
A sds	<u>5506-5517'</u>	<u>4/44</u>	CP sds	<u>5951-5964'</u>	<u>4/52</u>

**CHRONOLOGICAL OPERATIONS**

Date Work Performed: Feb. 6, 2002 SITP: \_\_\_\_\_ SICP: 0

RU Schlumberger and run "HE" RBP. Set plug @ 4560'. Fill hole W/ 100 BW. Pressure test plug to 3000 psi. Then run 2-4" perf guns. Perf GB4 sds @ 4462-64' & 4481-90' W/ 4 JSPF. RD WLT. NU BJ Services isolation tool. RU BJ and frac GB4 sds W/ 36,260# 20/40 sand in 325 bbls Viking I-25 fluid. Perfs broke dn @ 2836 psi. Treated W/ ave press of 2195 psi W/ ave rate of 21.2 BPM. ISIP-2500 psi. RD BJ. Begin immediate flowback of GB frac on 12/64 choke @ 1 BPM. Zone flowed 1 3/4 hrs & died. Rec 85 BTF (est 26% of frac load). ND isolation tool. NU circ head. TIH W/ RH, X-O & tbg. Tbg displaced 11 BW on TIH. Tag sd @ 4521'. C/O sd to 4550' (leave 10' sd on plug). Circ hole clean W/ no fluid loss. Pull EOT to 4458'. RU swab equipment. IFL @ sfc. Made 2 runs rec 37 BW. FFL @ 1000'. SIFN W/ est 457 BWTR.

**FLUID RECOVERY (BBLs)**

Starting fluid load to be recovered: 165 Starting oil rec to date: 0  
 Fluid lost/recovered today: 292 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 457 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: GB4 sands  
2700 gals of pad  
2000 gals W/ 1-5 ppg of 20/40 sand  
4000 gals W/ 5-8 ppg of 20/40 sand  
720 gals W/ 8 ppg of 20/40 sand  
Flush W/ 4242 gals of slick water  
 Max TP: 2920 Max Rate: 28.4 BPM Total fluid pmpd: 325 bbls  
 Avg TP: 2195 Avg Rate: 21.2 BPM Total Prop pmpd: 36,260#  
 ISIP: 2500 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .99  
 Completion Supervisor: Gary Dietz

**COSTS**

Pennant rig	\$2,900
Weatherford BOP	\$100
Weatherford RBP	\$900
Schlumberger-GB sds	\$3,100
BJ Services--GB sds	\$17,000
IPC frac water (trked)	\$500
IPC frac tks	\$200
IPC fuel gas	\$100
IPC Supervision	\$200
<b>DAILY COST:</b>	<u>\$25,000</u>
<b>TOTAL WELL COST:</b>	<u>\$32,100</u>





Attachment G-1  
9 of 9

**DAILY WORKOVER REPORT**

WELL NAME: MBF 10-34-8-16

Report Date: Feb. 9, 2002

Day: 05

Operation: Workover

Rig: Pennant #18

**WELL STATUS**

Surf Csg: 8 5/8 @ 314' Prod Csg: 5 1/2" @ 6400' WT: 17# Csg PBTD: 6345'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Anchor @: 5882' BP/Sand PBTD: 6123'

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4462-4464' NEW	4/8	CP sds	5798-5816'	4/72
GB4 sds	4481-4490' NEW	4/36	CP sds	5864-5867'	4/12
D sds	4996-5000'	4/16	CP sds	5878-5882'	4/16
D sds	5002-5008'	4/24	CP sds	5917-5927'	4/40
A sds	5506-5517'	4/44	CP sds	5951-5964'	4/52

**CHRONOLOGICAL OPERATIONS**

Date Work Performed: Feb. 8, 2002 SITP: 0 SICP: 0

Con't TIH W/ BHA & production tbg f/ 1281' (complete as follows): 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, repaired Randys' 5 1/2" TA (45K), 185 jts 2 7/8 8rd 6/5# J-55 tbg. ND BOP. Set TA @ 5882' W/ SN @ 5917' & EOT @ 5983'. Land tbg W/ 14,000# tension. NU wellhead. TIH W/ revised rod string as follows: repaired Randys' 2 1/2" X 1 1/2" X 15' RHAC pump, 1 8' X 1 1/2" weight rod, 2-1 5/8" weight rods (new), 4-1 1/2" weight rods, 24-3/4" scraped rods, 80-3/4" plain rods, 8-3/4" scraped rods, 24-3/4" plain rods, 93-3/4" scraped rods, 2-4' X 3/4" pony rods, 1 1/2" X 22' polished rod. Seat pump. RU pumping unit. Fill tbg W/ 13 BW. Pressure test pump & tbg to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. Chg to RDMOSU (winded out). Est 444 BWTR.

Place well on production @ 12:00 PM 2/8/02 W/ 52" SL @ 6 SPM.

**FINAL REPORT!!**

**FLUID RECOVERY (BBLs)**

Starting fluid load to be recovered: 431 Starting oil rec to date: 0  
Fluid lost/recovered today: 13 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 444 Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

**TUBING DETAIL**

**ROD DETAIL**

**COSTS**

KB 12.00'	1 1/2" X 22' polished rod	Pennant rig	\$2,500
185 2 7/8 J-55 tbg (5869.78')	2-4' X 3/4" pony rods	Weatherford BOP	\$200
TA (2.80' @ 5881.78' KB)	93-3/4" scraped rods	TMT wtr disposal	\$300
1 2 7/8 J-55 tbg (31.95')	24-3/4" plain rods	Replacement rods	\$200
SN (1.10' @ 5916.53' KB)	8-3/4" scraped rods	IPC trucking/loc clean	\$300
2 2 7/8 J-55 tbg (65.11')	80-3/4" plain rods	Mt West sanitation	\$200
2 7/8 NC (.45')	24-3/4" scraped rods	IPC Supervision	\$200
EOT 5983.19' W/ 12' KB	4-1 1/2" weight rods (3/4" pins)		
	2-1 5/8" weight rods (7/8" pins)		
	1-8' X 1 1/2" weight rod (3/4" pins)		
	Randys 2 1/2" X 1 1/2" X 15'		
	RHAC pump W/ SM plunger		
		<b>DAILY COST:</b>	\$3,900

Workover Supervisor: Gary Dietz

**TOTAL WELL COST:** \$39,800

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4412'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 174' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Perforate 4 JSPF @ 355'
6. Plug #4 Circulate 100 sx Class "G" Cement 5-1/2" casing and up the 5-1/2" x 8-5/8" annulus

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

Attachment H-1

# Monument Butte Federal 10-34-8-16

Spud Date: 10/1/1992  
 Put on Production: 11/26/1992  
 GL: 5628' KB: 5640'

Initial Production: 68 BOPD,  
 93 MCFD, 24 BWPD

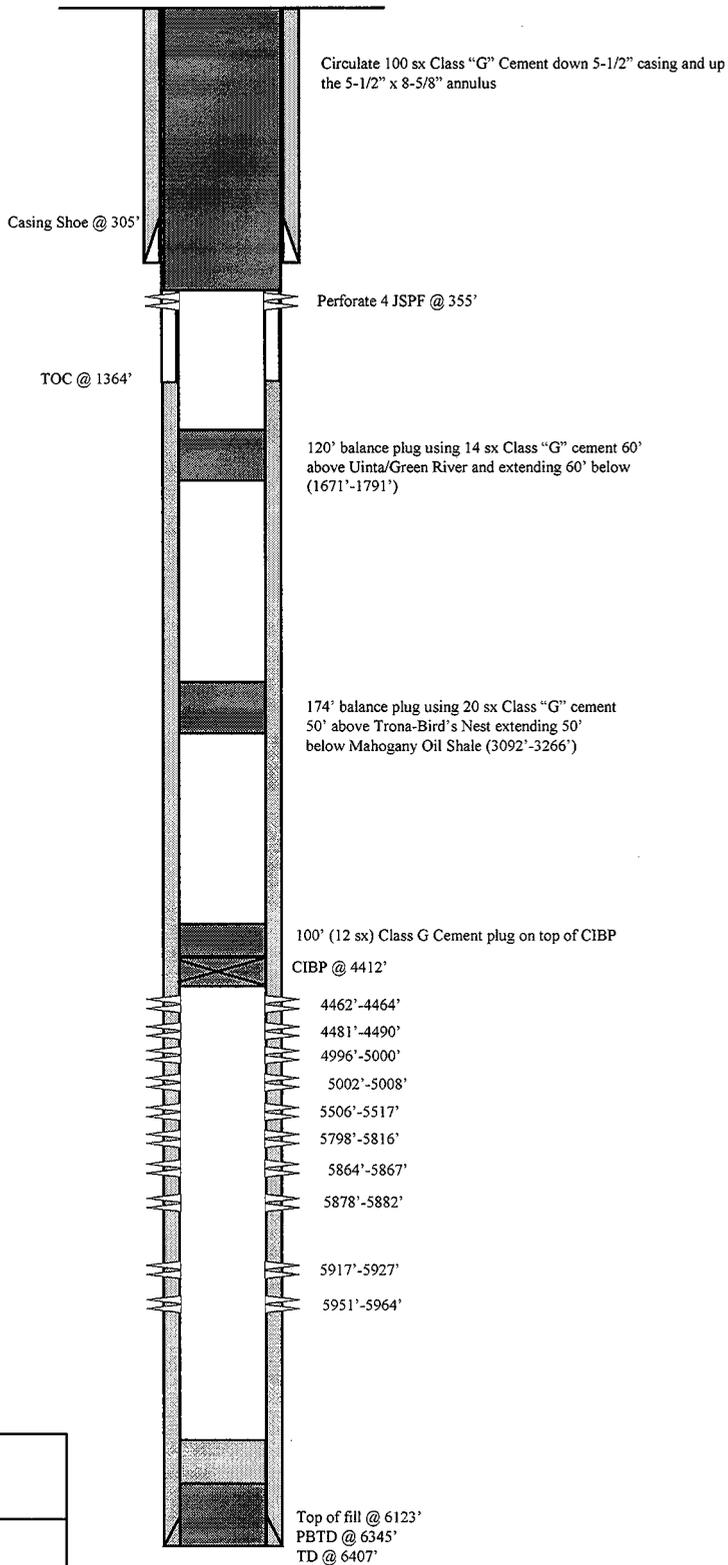
Proposed P & A  
 Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 304.87'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 216 sxs Class "G" cmt.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 6400.06'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 348 sxs Hilift & 428 sxs 50/50 POZ.  
 CEMENT TOP AT: 1364' per CBL



**NEWFIELD**

---

**Monument Butte Federal 10-34-8-16**  
 1980' FSL & 1980' FEL  
 NW/SE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31371; Lease #UTU-16535

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include are code)  
435.646.3721

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

1980 FSL 1980 FEL  
NWSE Section 34 T8S R16E

5. Lease Serial No.

USA UTU-16535

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
MON BUTTE UNIT

8. Well Name and No.

MONUMENT FED 10-34

9. API Well No.

4301331371

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"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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

Signature



Title

Regulatory Analyst

Date

08/26/2009

**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

(Instructions on page 2)

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-355

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 24, 26, 27, 34, 35, 36; TOWNSHIP 8 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:

Hawkeye Unit:

Boll Weevil 26-13-8-16 well located in NW/4 SW/4, Section 26, Township 8 South, Range 16 East

Monument Butte Federal NE 14-26-8-16 well located in SE/4 SW/4, Section 26, Township 8 South, Range 16 East

Monument Butte Unit:

Monument Butte Federal 2-34-8-16 well located in NW/4 NE/4, Section 34, Township 8 South, Range 16 East

Monument Federal 10-34-8-16 well located in NW/4 SE/4, Section 34, Township 8 South, Range 16 East

Monument Butte Federal 16-34-8-16 well located in SE/4 SE/4, Section 34, Township 8 South, Range 16 East

Federal 1-35-8-16 well located in SE/4 SE/4, Section 35, Township 8 South, Range 16 East

Monument Federal 2A-35-8-16 well located in NW/4 NE/4, Section 35, Township 8 South, Range 16 East

Monument Butte State 4-36-8-16 well located in NW/4 NW/4, Section 36, Township 8 South, Range 16 East

Monument Butte NE Unit:

Monument Butte Federal NE 16-24-8-16 well located in SE/4 SE/4, Section 24, Township 8 South, Range 16 East

Monument Butte Federal 16-26-8-16 well located in SE/4 SE/4, Section 26, Township 8 South, Range 16 East

Travis Unit:

Monument Butte Federal 16-27-8-16 well located in SE/4 SE/4, Section 27, Township 8 South, Range 16 East

Monument Butte Federal 6-34-8-16 well located in SE/4 NW/4, Section 34, Township 8 South, Range 16 East

Wells Draw Unit:

Federal 13-34-B-8-16 well located in NW/4 SW/4, Section 34, Township 8 South, Range 16 East

Wells Draw 14A-34-8-16 well located in SE/4 SW/4, Section 34, Township 8 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.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is 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 28th day of September, 2009.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Gil Hunt  
Associate Director

**Newfield Production Company**

**BOLL WEEVIL 26-13-8-16, MONUMENT BUTTE FEDERAL NE 14-26-8-16, MONUMENT BUTTE FEDERAL 2-34-8-16, MONUMENT FEDERAL 10-34-8-16, MONUMENT BUTTE FEDERAL 16-34-8-16, FEDERAL 1-35-8-16, MONUMENT FEDERAL 2A-35-8-16, MONUMENT BUTTE STATE 4-36-8-16, MONUMENT BUTTE FEDERAL NE 16-24-8-16, MONUMENT BUTTE FEDERAL 16-26-8-16, MONUMENT BUTTE FEDERAL 16-27-8-16, MONUMENT BUTTE FEDERAL 6-34-8-16, FEDERAL 13-34-B-8-16, WELLS DRAW 14A-34-8-16**

**Cause No. UIC-355**

Publication Notices were sent to the following:

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

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

Salt Lake Tribune  
PO Box 45838  
Salt Lake City, UT 84145  
via Email [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

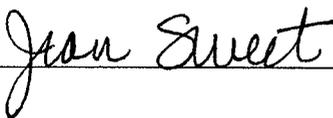
Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Michael Hyde  
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

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

Newfield Production Company  
Rt 3 Box 3630  
Myton UT 84052

SITLA  
675 East 500 South  
Salt Lake City, UT 84102-2818

  
\_\_\_\_\_

Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC 355

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 9/29/2009 1:34 PM  
**Subject:** RE: Notice of Agency Action - Newfield Production Company Cause No. UIC 355

Ad #502572 is scheduled to run October 2 and the total charge is \$215.00. Please check the ad in the paper.

Thank you,

Lynn Valdez  
MediaOne of Utah,  
a Newspaper Agency Company  
4770 South 5600 West  
West Valley City, Utah 84118  
Ph.: 801-237-2720  
Email: naclegal@mediaoneutah.com

---

**From:** Jean Sweet [mailto:jsweet@utah.gov]  
**Sent:** Tuesday, September 29, 2009 10:01 AM  
**To:** naclegal@mediaoneutah.com  
**Subject:** Notice of Agency Action – Newfield Production Company Cause No. UIC 355

To whom it may concern:

Attached is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

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

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)



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*

September 28, 2009

VIA E-MAIL: [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

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

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC 355

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

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

Sincerely,

Jean Sweet  
Executive Secretary

MLR/js  
Enclosure  
N:\O&G Reviewed Docs\ChronFile\UIC\Newfield\Notice of Agency Action



**From:** Bonnie <bonnie@ubstandard.com>  
**To:** <jsweet@utah.gov>  
**Date:** 10/1/2009 4:56 PM  
**Subject:** Legal

Jean,  
The legal Notice of Agency Action - Newfield Production 20090928 will  
run on October 6, 2009.  
Thank you,

--

Bonnie Parrish  
Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
(435) 722-5131  
(435) 722-4140 Fax  
bonnie@ubstandard.com



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*

September 28, 2009

VIA E-MAIL [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC 355

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet  
Executive Secretary

MLR/js  
Enclosure  
N:\O&G Reviewed Docs\ChronFile\UIC\Newfield\Notice of Agency Action



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

**Applicant:** Newfield Production Company      **Well:** Monument Federal 10-34-8-16

**Location:** 34/8S/16E      **API:** 43-013-31371

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review. 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 Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 305 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,400 feet. Although the cement bond log is inconclusive, calculations based on the cement reported in the well completion report indicate adequate bond in this well up to about 2,670 feet (calculated top of "lite" cement). A 2 7/8 inch tubing with a packer will be set at 4,427. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells and 4 injection wells in the area of review. All of the wells have evidence of adequate casing and cement.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 600 feet. Injection shall be limited to the interval between 4,287 feet and 6,280 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 10-34-8-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,982 psig. The requested maximum pressure is 1,982 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Monument Federal 10-34-8-16**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Monument Butte Unit on August 14, 1987. 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.

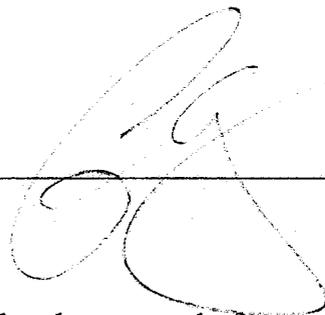
Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date 10/1/09

# 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 6 day of October, 20 09, and that the last publication of such notice was in the issue of such newspaper dated the 6 day of October, 20 09.

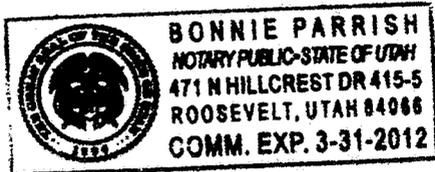


Publisher

Subscribed and sworn to before me this  
7 day of October, 20 09



Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-355

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 SECTIONS 24, 26, 27, 34, 35, 36; TOWNSHIP 8 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:

Hawkeye Unit:

Boll Weevil 26-13-8-16 well located in NW/4 SW/4, Section 26, Township 8 South, Range 16 East

Monument Butte Federal NE 14-26-8-16 well located in SE/4 SW/4, Section 26, Township 8 South, Range 16 East

Monument Butte Unit:

Monument Butte Federal 2-34-8-16 well located in NW/4 NE/4, Section 34, Township 8 South, Range 16 East

Monument Butte Federal 10-34-8-16 well located in NW/4 SE/4, Section 34, Township 8 South, Range 16 East

Monument Butte Federal 16-34-8-16 well located in NW/4 SE/4, Section 34, Township 8 South, Range 16 East

Notice is hereby given that Uintah School District will be holding its annual Impact Aid Meeting on October 13, 2009 at the Eagle View Elementary School from 5:30 to 6:30 p.m. The Ute Indian Tribe and parents of children

LEGAL  
NOTICE

Monument Butte Federal 2-34-8-16 well located in SE/4 NW/4, Section 34, Township 8 South, Range 16 East  
Wells Draw Unit:  
Federal 13-34-B-8-16 well located in NW/4 SW/4, Section 34, Township 8 South, Range 16 East

Wells Draw 14A-34-8-16 well located in SE/4 SW/4, Section 34, Township 8 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.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is 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 28th day of September, 2009.

STATE OF UTAH  
DIVISION OF OIL,  
GAS & MINING

/s/  
Gil Hunt  
Associate Director  
Published in the Uintah Basin Standard October 6, 2009.

EAST, DUCHESNE  
COUNTY, UTAH, AS  
CLASS II INJECTION  
WELLS.

THE STATE OF UTAH  
TO ALL PERSONS IN-  
TERESTED IN THE  
ABOVE ENTITLED  
MATTER.

Notice is hereby given  
that the Division of Oil,  
Gas and Mining (the "Di-  
vision") is commencing  
an informal adjudicative  
proceeding to consider the  
application of Newfield  
Production Company for  
administrative approval  
of the following wells:

Flawkey Unit:

Boll Weevil 26-13-8-  
16 well located in NW/4  
SW/4, Section 26, Town-  
ship 8 South, Range 16  
East

Monument Butte Fed-  
eral NE 14-26-8-16 well  
located in SE/4 SW/4,  
Section 26, Township 8  
South, Range 16 East

Monument Butte  
Unit:

Monument Butte  
Federal 2-34-8-16 well  
located in NW/4 NE/4,  
Section 34, Township 8  
South, Range 16 East

Monument Federal  
10-34-8-16 well located  
in NW/4 SE/4, Section  
34, Township 8 South,  
Range 16 East

Monument Butte Fed-  
eral 16-34-8-16 well  
located in SE/4 SE/4,  
Section 34, Township 8  
South, Range 16 East

Federal 1-35-8-16 well  
located in SE/4 SE/4,  
Section 35, Township 8  
South, Range 16 East

Monument Federal  
2A-35-8-16 well located  
in NW/4 NE/4, Section  
35, Township 8 South,  
Range 16 East

Monument Butte State  
4-36-8-16 well located in  
NW/4 NW/4, Section 36,  
Township 8 South, Range  
16 East

Monument Butte NE  
Unit:

Monument Butte Fed-  
eral NE 16-24-8-16 well  
located in SE/4 SE/4,  
Section 24, Township 8  
South, Range 16 East

Monument Butte Fed-  
eral 16-26-8-16 well  
located in SE/4 SE/4,  
Section 26, Township 8  
South, Range 16 East

Travis Unit:

Monument Butte Fed-  
eral 16-27-8-16 well  
located in SE/4 SE/4,  
Section 27, Township 8  
South, Range 16 East

Continued on next page

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	10/5/2009

RECEIVED

OCT 13 2009

DIV. OF OIL, GAS & MINING

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMB
8015385340	0000502572 /
SCHEDULE	
Start 10/02/2009	End 10/02/2009
CUST. REF. NO.	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINI	
SIZE	
84 Lines	2.00 COLUMN
TIMES	RATE
2	
MISC. CHARGES	AD CHARGES
TOTAL COST	
215.00	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-355

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 24, 26, 27, 34, 35, 36, TOWNSHIP 8 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:

Howeys Unit:  
Ball Weevil 26-13-8-16 well located in NW/4 SW/4, Section 26, Township 8 South, Range 16 East  
Monument Butte Federal NE 14-26-8-16 well located in SE/4 SW/4, Section 26, Township 8 South, Range 16 East  
Monument Butte Unit:  
Monument Butte Federal 2-34-8-16 well located in NW/4 NE/4, Section 34, Township 8 South, Range 16 East  
Monument Butte Federal 10-34-8-16 well located in NW/4 SE/4, Section 34, Township 8 South, Range 16 East  
Monument Butte Federal 16-34-8-16 well located in SE/4 SE/4, Section 34, Township 8 South, Range 16 East  
Federal 1-35-8-16 well located in SE/4 SE/4, Section 35, Township 8 South, Range 16 East  
Monument Butte Federal 2A-35-8-16 well located in NW/4 NE/4, Section 35, Township 8 South, Range 16 East  
Monument Butte State 4-36-8-16 well located in NW/4 NW/4, Section 36, Township 8 South, Range 16 East  
Monument Butte NE Unit:  
Monument Butte Federal NE 16-24-8-16 well located in SE/4 SE/4, Section 24, Township 8 South, Range 16 East  
Monument Butte Federal 16-26-8-16 well located in SE/4 SE/4, Section 26, Township 8 South, Range 16 East  
Travis Unit:  
Monument Butte Federal 16-27-8-16 well located in SE/4 SE/4, Section 27, Township 8 South, Range 16 East  
Monument Butte Federal 6-34-8-16 well located in SE/4 NW/4, Section 34, Township 8 South, Range 16 East  
Wells Draw Unit:  
Federal 13-34-8-16 well located in NW/4 SW/4, Section 34, Township 8 South, Range 16 East  
Wells Draw 14A-34-8-16 well located in SE/4 SW/4, Section 34, Township 8 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.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is 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 28th day of September, 2009.

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

AFFIDAVIT OF PUBLICATION

502572 UFXPLP

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINI FOR DIV OF OIL-GAS & 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 10/02/2009 End 10/02/2009

SIGNATURE Senny Gray

DATE 10/5/2009

Notary Public  
**ELIZABETH G. CORDOVA**  
6452 West 4200 South  
West Valley City, Utah 84123  
My Commission Expires  
January 18, 2010  
State of Utah

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

*[Handwritten Signature]*



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

December 7, 2009

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

Subject: Monument Butte Unit Well: Monument Federal 10-34-8-16, Section 34, Township 8 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 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

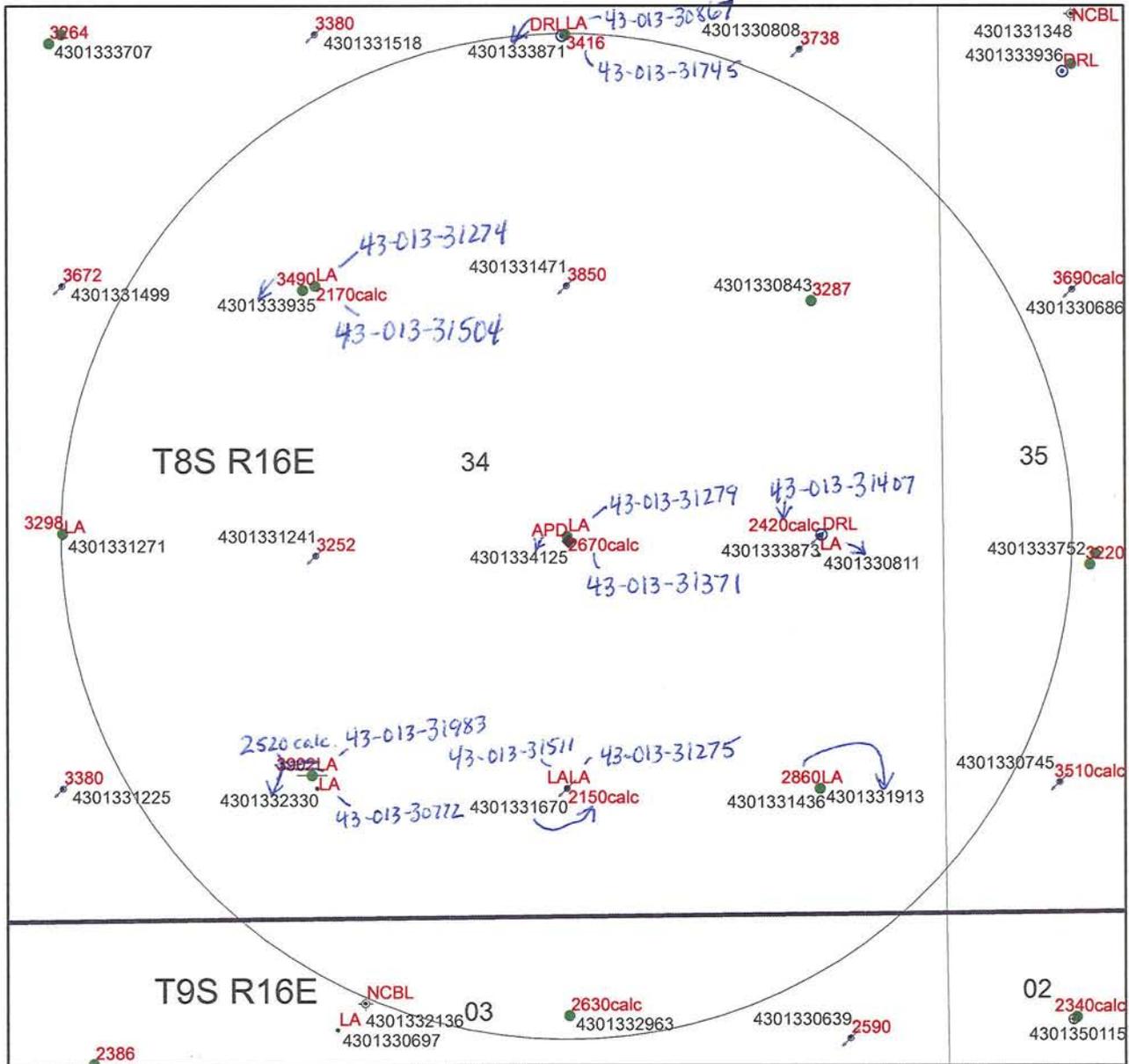
Gil Hunt  
Associate Director

GLH/MLR/js

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

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





# MONUMENT FEDERAL 10-34-8-16

API #43-013-31371

UIC-355.12

## Legend

### OGM Database View Events

X <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





April 8, 2010

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple-Suite 1310  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Injection Conversion  
Monument Butte Federal 10-34-8-16  
API # 43-013-31371

Dear Mr. Brad Hill:

The subject well was converted to an injector. Please find enclosed the sundry, a copy of the tabular, and chart. If you have any questions please give me a call at 435-646-4874.

Sincerely,

  
Lucy Chavez-Naupoto  
Administrative Assistant

**RECEIVED**

**APR 14 2010**

DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16535

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

8. WELL NAME and NUMBER:  
MONUMENT FED 10-34

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331371

3. ADDRESS OF OPERATOR:      PHONE NUMBER  
Route 3 Box 3630      CITY Myton      STATE UT      ZIP 84052      435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1980 FSL 1980 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN:      NWSE, 34, T8S, R16E

STATE: UT

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 (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  04/07/2010	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

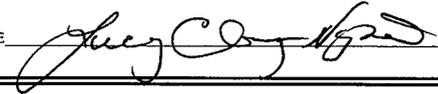
The subject well has been converted from a producing oil well to an injection well on 04/01/2010.

On 04/06/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 04/06/2010. On 04/07/2010 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31371

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 04/08/2010

(This space for State use only)

**RECEIVED**  
**APR 14 2010**  
DIV. OF OIL, GAS & MINING

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.**

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

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

3a. Address    Route 3 Box 3630  
 Myton, UT 84052

3b. Phone    (include are code)  
 435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 1980 FSL 1980 FEL  
 NWSE Section 34 T8S R16E

5. Lease Serial No.  
 USA UTU-16535

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
 GMBU

8. Well Name and No.  
 MONUMENT FED 10-34

9. API Well No.  
 4301331371

10. Field and Pool, or Exploratory Area  
 MONUMENT BUTTE

11. County or Parish, State  
 DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA**

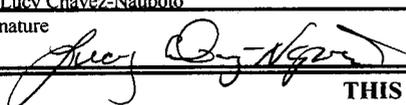
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____ Change Status _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.)

The subject well has been converted from a producing oil well to an injection well on 04/01/2010.

On 04/06/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 04/06/2010. On 04/07/2010 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31371

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Administrative Assistant
Signature 	Date 04/08/2010

**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

(Instructions on page 2)

**RECEIVED**

**APR 14 2010**

**DIV. OF OIL, GAS & MINING**

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: \_\_\_\_\_ Date 4 / 7 / 10 Time 12:30  am  pm

Test Conducted by: NEWFIELD EXPLORATION

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

Well: MONUMENT Federal 10-34-8-16

Field: MONUMENT BUTTE

Well Location: NW/SE, Sec. 34, T8S, R16E

API No: 43-013-31371

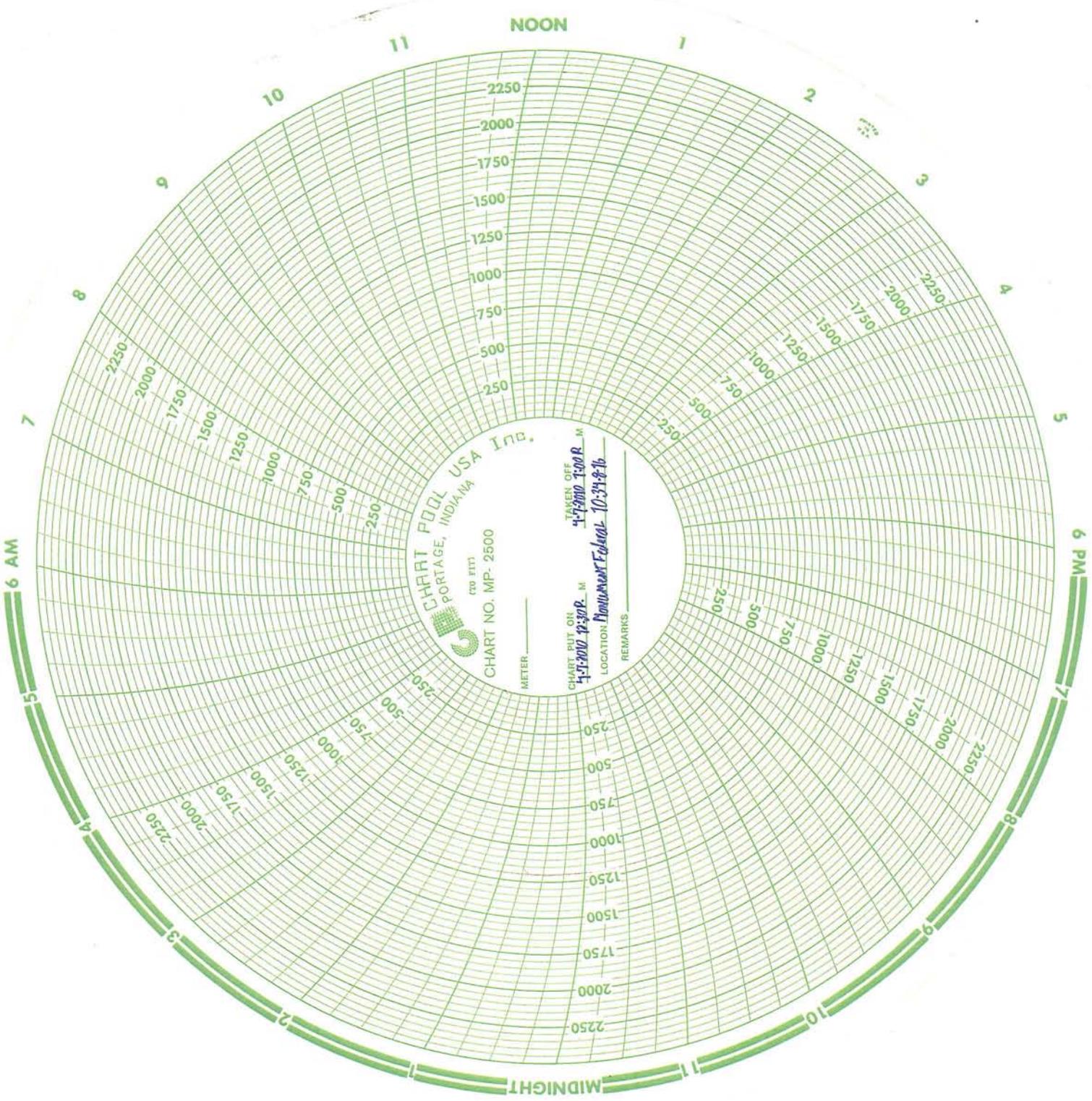
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1200</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20	<u>1200</u>	psig
25	<u>1200</u>	psig
30 min	<u>1200</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 50 psig

Result:  Pass  Fail

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

Signature of Person Conducting Test: ted whitehead



**CHART POOL USA Inc.**  
PORTAGE, INDIANA  
770 FITS  
CHART NO. MP- 2500

CHART PUT ON \_\_\_\_\_  
TAKEN OFF \_\_\_\_\_  
4-1-2010 12:30P. M. 4-1-2010 1:00P. M.  
LOCATION: Nonlinear Federal 1034816

REMARKS \_\_\_\_\_

METER \_\_\_\_\_

**Daily Activity Report****Format For Sundry****MON 10-34-8-16****1/1/2010 To 5/30/2010****3/30/2010 Day: 1****Conversion**

WWS #7 on 3/30/2010 - LD rod string & pump. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Re-flushed rods twice more on TOH W/ add'l 60 BW. ND wellhead & release TA @ 5882'. NU BOP. SIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$4,341

---

**4/1/2010 Day: 3****Conversion**

WWS #7 on 4/1/2010 - Check csg pressure. - Flush tbg w/ 30 bbls water @ 250°. TOH inspecting & doping pins w/138- jts 2 7/8. LD 47- jts 2 7/8, TA, 1-jt 2 7/8, SN, 2- jts 2 7/8, NC. Used 100 bbls water to keep tbg clean. PU TIH w/ Arrowset Pkr, SN, 138- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls water for 30 min. Good test. RU sandline to retrieve std valve. RD sandline. Pump 60 bbls fresh water w/ pkr fluid down csg. Pump 10 bbls water down tbg to equalize. ND BOP. Set Pkr w/ 15000 tension. NU wellhead. Pressure test csg & Pkr to 1500 psi. Leave pressure on csg. SDFD. - Check tbg pressure. Good test. READY FOR MIT. - Flush tbg w/ 30 bbls water @ 250°. TOH inspecting & doping pins w/138- jts 2 7/8. LD 47- jts 2 7/8, TA, 1-jt 2 7/8, SN, 2- jts 2 7/8, NC. Used 100 bbls water to keep tbg clean. PU TIH w/ Arrowset Pkr, SN, 138- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Pressure test tbg to 3000 psi w/ 25 bbls water for 30 min. Good test. RU sandline to retrieve std valve. RD sandline. Pump 60 bbls fresh water w/ pkr fluid down csg. Pump 10 bbls water down tbg to equalize. ND BOP. Set Pkr w/ 15000 tension. NU wellhead. Pressure test csg & Pkr to 1500 psi. Leave pressure on csg. SDFD. - Check tbg pressure. Good test. READY FOR MIT.

**Daily Cost:** \$0**Cumulative Cost:** \$8,918

---

**4/8/2010 Day: 4****Conversion**

Rigless on 4/8/2010 - MIT on Well - On 4/6/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above listed well ( Monument Federal 10-34-8-16 ). Permission was given at that time to perform the test on 4/6/2010. On 4/7/2010 the csg was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tbg pressure was 50 psig during the test. There was not a State representative available to witness the test. API #43-013-31371 **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$9,218

---

**Pertinent Files: Go to File List**



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-355

**Operator:** Newfield Production Company  
**Well:** Monument Federal 10-34-8-16  
**Location:** Section 34, Township 8 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31371  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on December 7, 2009.
2. Maximum Allowable Injection Pressure: 1,982 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,287' – 6,280')
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:

Gil Hunt  
Associate Director

4-19-10

Date

GLH/MLR/js

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

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



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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16535

**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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MONUMENT FED 10-34

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331371

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1980 FSL 1980 FEL  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSE, 34, T8S, R16E

COUNTY: DUCHESNE  
STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>05/11/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Put on Injection
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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 11:00 AM on 05-11-2010.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant  
SIGNATURE *Lucy Chavez-Naupoto* DATE 05/12/2010

(This space for State use only)

**RECEIVED**  
**MAY 17 2010**  
**DIV. OF OIL, GAS & MINING**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-16535
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> MONUMENT FED 10-34
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013313710000
<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> 1980 FSL 1980 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 34 Township: 08.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/5/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

On 03/02/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 03/05/2015 the casing was pressured up to 1413 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1900 psig during the test. There was a State representative available to witness the test - Richard Powell.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
March 10, 2015**

<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> 3/6/2015	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 3/15/15 Time 11:00  am  pm

Test Conducted by: INAKI LASA

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

<b>Well:</b> MONUMENT 10-34-8-16 NW/SE sec. 34, T8S, R16E UTU-16535 UTU 87538X	<b>Field:</b> GREATER MONUMENT BUTTE.
<b>Well Location:</b> Duchesne County, UTAH	<b>API No:</b> 4301331371

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>12.4</u>	psig
5	<u>1,415.8</u>	psig
10	<u>1,415.4</u>	psig
15	<u>1,414.8</u>	psig
20	<u>1,414.4</u>	psig
25	<u>1,413.6</u>	psig
30 min	<u>1,412.8</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1,900 psig

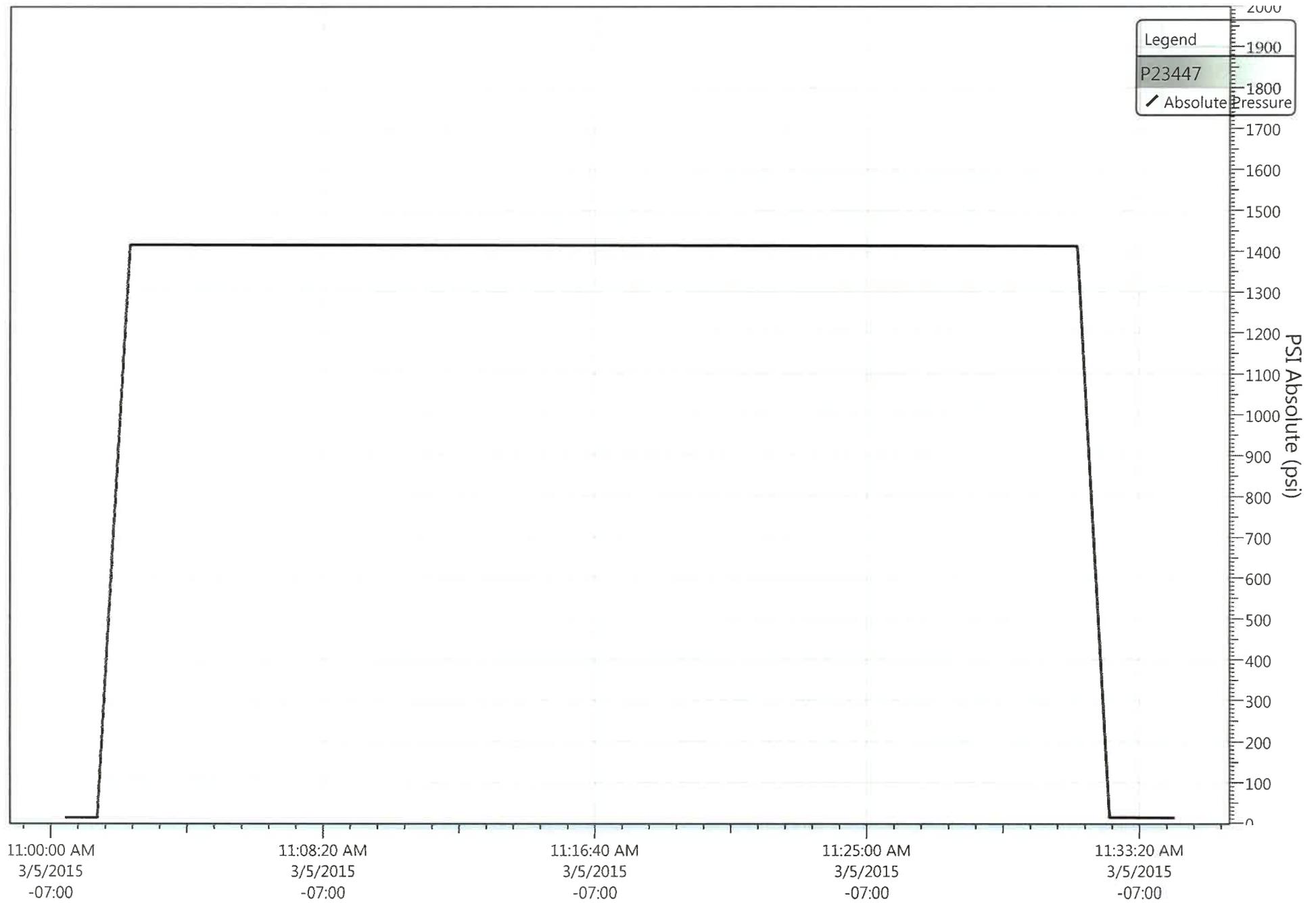
Result:  Pass  Fail

Signature of Witness: \_\_\_\_\_  
*[Signature]*

Signature of Person Conducting Test: Inaki Lasas

### Monument 10-34-8-16 (5 Year MIT)

3/5/2015 10:59:55 AM



# Monument Butte Federal 10-34-8-16

Spud Date: 10/1/1992  
 Put on Production: 11/26/1992  
 GL: 5628' KB: 5640'

Initial Production:  
 68 BOPD, 93 MCFD, 24 BWPD

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 304.87'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 216 sxs Class "G" cmt.

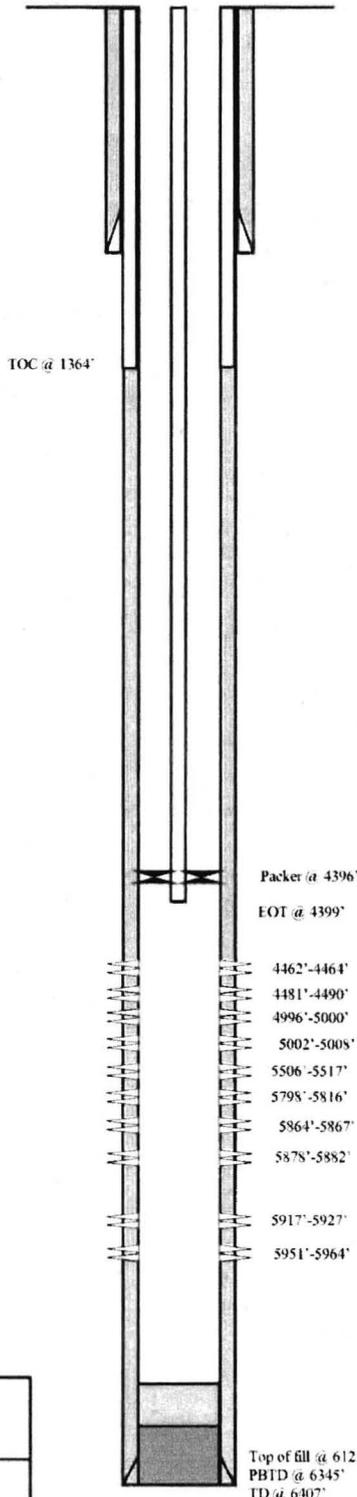
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 DEPTH LANDED: 6400.06'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 348 sxs Hilift & 428 sxs 50/50 POZ.  
 CEMENT TOP AT: 1364' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 138 jts (4379.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4391.2' KB  
 CE @ 4393.55'  
 TOTAL STRING LENGTH: EOT @ 4399'

Injection Wellbore  
Diagram



**FRAC JOB**

Date	Well ID	Description
11/15/92	5917'-5964'	<b>Frac CP sand as follows:</b> 109,000# 16/30 sand in 1095 bbls fluid. Treated @ avg press of 2100 psi w/avg rate of 35 BPM. ISIP 2097 psi. Calc. flush: 5917 gal. Act. flush: 5663 gal.
11/17/92	5798'-5816'	<b>Frac CP sand as follows:</b> 75,000# 16/30 sand in 670 bbls fluid. Treated @ avg press of 3000 psi w/avg rate of 30 BPM. ISIP 3100 psi. Calc. flush: 5798 gal. Act. flush: 5614 gal.
11/19/92	5506'-5517'	<b>Frac A-3 sand as follows:</b> 60,430# 16/30 sand in 583 bbls fluid. Treated @ avg press of 3100 psi w/avg rate of 25 BPM. ISIP 2934 psi. Calc. flush: 5506 gal. Act. flush: 5370 gal.
11/22/92	4996'-5008'	<b>Frac D-1 sand as follows:</b> 23,500# 16/30 sand in 256 bbls fluid. Treated @ avg press of 2400 psi w/avg rate of 25 BPM. ISIP 2014 psi. Calc. flush: 4996 gal. Act. flush: 4850 gal.
9/22/01		<b>Rod job.</b> Update rod and tubing details.
02/06/02	4462'-4490'	<b>Frac GB-4 sand as follows:</b> 36,260# 16/30 sand in 325 bbls Viking I-25 frac fluid. Treated @ avg press of 2195 psi w/avg rate of 21.2 BPM. ISIP 2500 psi. Calc. flush: 4462 gal. Act. flush: 4242 gal.
08/10/06		<b>Pump Change</b> Update rod and tubing details.
04-01-10		<b>Convert well to Injection</b>
04-07-10		<b>MIT completed - tbg detail updated</b>

**PERFORATION RECORD**

Date	Well ID	Perforation Type	Holes
11/12/92	5951'-5964'	4 JSPF	52 holes
11/12/92	5917'-5927'	4 JSPF	40 holes
11/12/92	5878'-5882'	4 JSPF	16 holes
11/12/92	5864'-5867'	4 JSPF	12 holes
11/16/92	5798'-5816'	4 JSPF	72 holes
11/18/92	5506'-5517'	4 JSPF	44 holes
11/20/92	5002'-5008'	4 JSPF	24 holes
11/20/92	4996'-5000'	4 JSPF	16 holes
02/06/02	4462'-4464'	4 JSPF	08 holes
02/06/02	4481'-4490'	4 JSPF	36 holes

**NEWFIELD**

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**Monument Butte Federal 10-34-8-16**  
 1980' FSL & 1980' FEL  
 NW/SE Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31371; Lease #UTU-16535