

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG  ELECTRIC LOGS  X WATER SANDS  LOCATION INSPECTED  SUB. REPORT/abd.

960528 SHUT-IN WAITING ON INSPECTION PER WORK RECD  
 961122 Comp. BLP (W/W)

DATE FILED DECEMBER 1, 1995

LAND: FEE & PATENTED STATE LEASE NO. ML-3453-B PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: JANUARY 3, 1996

SPOUDED IN: MARCH 5, 1996

COMPLETED: 5.16.96 Slowing TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: 4461-5288' ARR

TOTAL DEPTH: 2600'

WELL ELEVATION: 2309' GIL

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT:

COUNTY: DUCHESNE

WELL NO. MONUMENT STATE 13-16-9-17B API NO. 43-013-31580

LOCATION 1980 FSL FT. FROM (N) (S) LINE. 660 FNL FT. FROM (E) (W) LINE. NW SW 1/4 - 1/4 SEC. 16

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9 S	17 E	16	EQUITABLE RESOURCES				

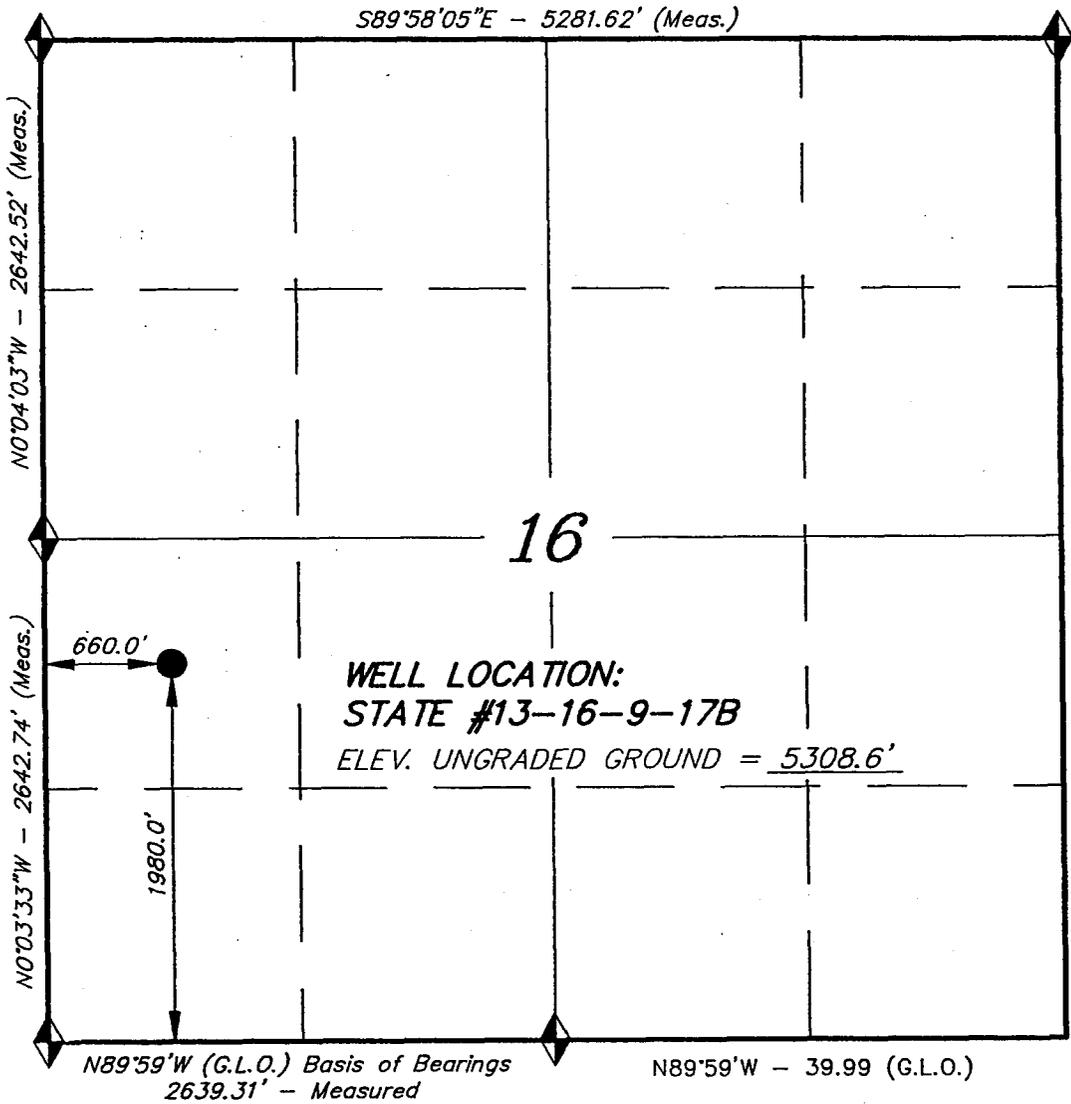
## GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ourray
Green River	Frontier	Phosphoria	Elbert
<i>Horseband SS 1313</i>	Dakota	Park City	McCracken
<i>2nd Garden gulch 20010</i>	Burro Canyon	Rico (Goodridge)	Aneth
<i>2nd Garden gulch 3109</i>	Cedar Mountain	Supai	Simonson Dolomite
<i>2nd Garden mkr 214</i>	Buckhorn	Wolfcamp	Sevy Dolomite
<i>2nd Garden Creek 4399</i>	JURASSIC	CARBON I FEROUS	North Point
<i>2nd Garden Creek 41015</i>	Morrison	Pennsylvanian	SILURIAN
<i>2nd Garden Creek 4747</i>	Salt Wash	Oquirrh	Laketown Dolomite
<i>Black shale 4991</i>	San Rafael Gr.	Weber	ORDOVICIAN
<i>Carbonate 5229</i>	Summerville	Morgan	Eureka Quartzite
Flagstaff	Bluff Sandstone	Hermosa	Pogonip Limestone
North Horn	Curtis		CAMBRIAN
Almy	Entrada	Pardox	Lynch
Paleocene	Moab Tongue	Ismay	Bowman
Current Creek	Carmel	Desert Creek	Tapeats
North Horn	Glen Canyon Gr.	Akah	Ophir
CRETACEOUS	Navajo	Barker Creek	Tintic
Montana	Kayenta		PRE - CAMBRIAN
Mesaverde	Wingate	Cane Creek	
Price River	TRIASSIC		
Blackhawk			



T9S, R17E, S.L.B.&M.

**EQUITABLE RESOURCES ENERGY CO.**



WELL LOCATION, STATE #13-16-9-17B,  
 LOCATED AS SHOWN IN THE NW 1/4 SW 1/4  
 OF SECTION 16, T9S, R17E, S.L.B.&M.  
 DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
 STATE #13-16-9-17B  
 ELEV. UNGRADED GROUND = 5308.6'

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

*James Stewart*  
 NO. 51402  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 144102  
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED  
 BASIS OF BEARINGS; G.L.O. DATED 1910  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
38 WEST 100 NORTH - VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: S.S. G.O. K.S.
DATE: 10-27-95	WEATHER: COOL
NOTES:	FILE #



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

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

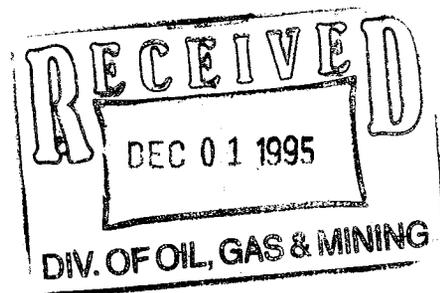
November 30, 1995

-- VIA FEDERAL EXPRESS --

State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

RE: Monument State #13-16-9-17B  
NW SW Section 16, T9S, R17E  
Duchesne County, Utah



Enclosed is our Application for Permit to Drill the referenced well. As operator, we hereby request that the status of this well be held tight in accordance with State regulations.

Our Production Supervisor, Dan Farnsworth, will be contacting your representative in the area to set up an onsite inspection of this location.

If you have any questions or need additional information, please give me a call at (406) 259-7860, extension 240.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosure

cc: Dan Farnsworth

**CONFIDENTIAL**

<b>APPLICATION FOR PERMIT TO DRILL OR DEEPEN</b>		5. Lease Designation and Serial Number: ML-3453-B
1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: n/a
B. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name: Beluga Unit
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division		8. Farm or Lease Name: Monument State
3. Address and Telephone Number: 1601 Lewis Avenue; Billings, MT 59102		9. Well Number: #13-16-9-17B
4. Location of Well (Footages) At Surface: NW SW Section 16, T9S, R17E 1980' FSL, 660' FWL At Proposed Producing Zone:		10. Field and Pool, or Wildcat: Monument Butte/Grn.Rvr.
14. Distance in miles and direction from nearest town or post office: From Myton, Utah, approximately 14.4 miles SW of Myton		11. Ctr/Qtr, Section, Township, Range, Meridian: NW SW 16, T9S, R17E
15. Distance to nearest property or lease line (feet):	16. Number of acres in lease:	17. Number of acres assigned to this well:
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):	19. Proposed Depth: 5,600'	20. Rotary or cable tools: Rotary
21. Elevations (show whether DF, RT, GR, etc.): GL 5309'		22. Approximate date work will start: March 1, 1996

23. **PROPOSED CASING AND CEMENTING PROGRAM**

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

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

Operator proposes to drill this well in accordance with the attached EXHIBITS.

As operator, we hereby request that the status of this well be held tight in accordance with State regulations.

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

**RECEIVED**  
DEC 01 1995  
DIV. OF OIL, GAS & MINING

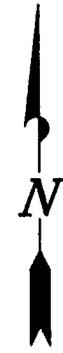
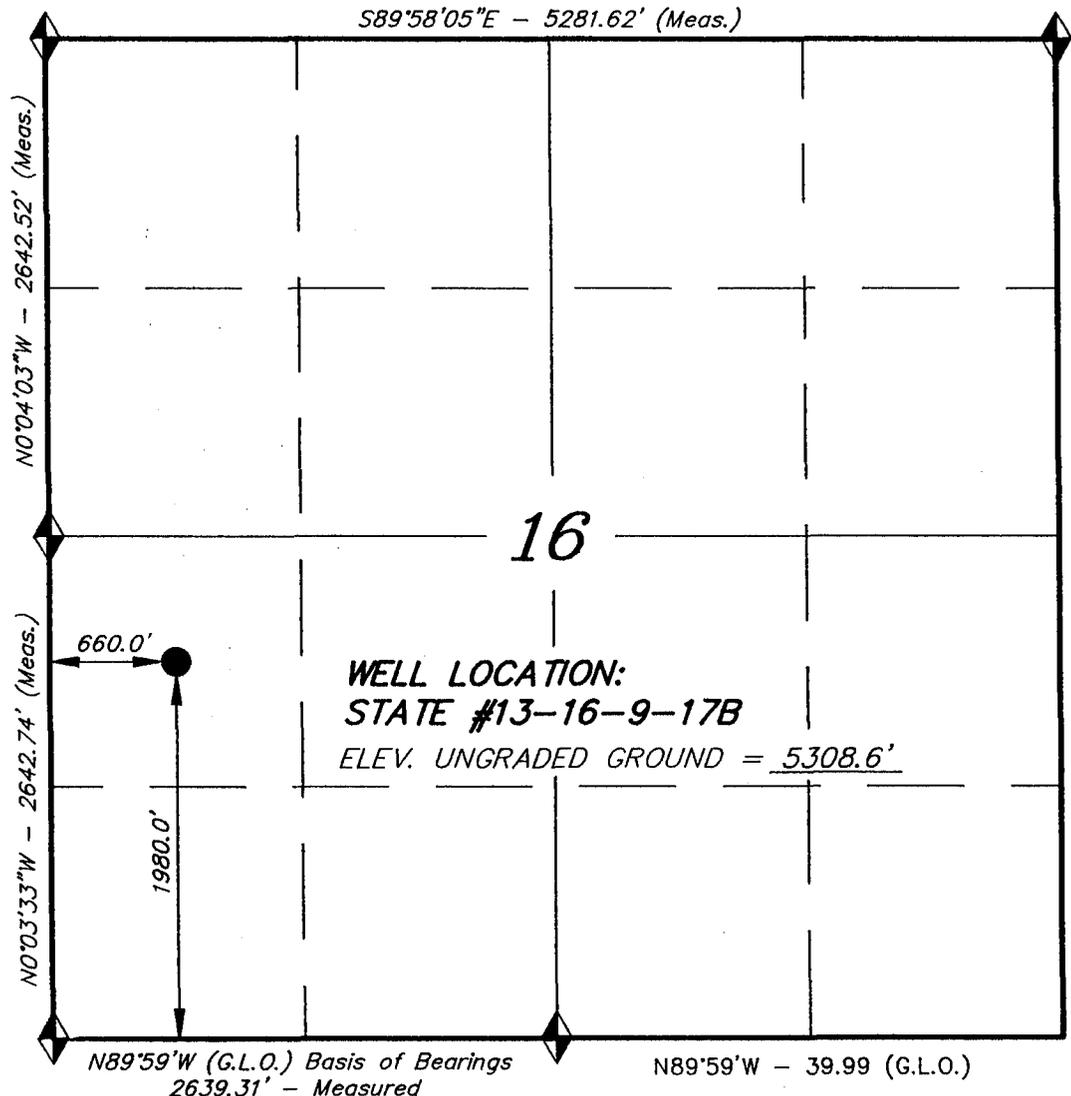
24. Name & Signature: Bobbie Schuman *Bobbie Schuman* Title: Regulatory and Environmental Specialist Date: 11-30-95

API Number Assigned: 43-013-31580 Approval: 1/3/96  
*[Signature]*

**T9S, R17E, S.L.B.&M.**

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, STATE #13-16-9-17B,  
 LOCATED AS SHOWN IN THE NW 1/4 SW 1/4  
 OF SECTION 16, T9S, R17E, S.L.B.&M.  
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*James Stewart*  
 NO. 144102  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 144102  
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED  
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 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
38 WEST 100 NORTH - VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: S.S. G.O. K.S.
DATE: 10-27-95	WEATHER: COOL
NOTES:	FILE #

PROPOSED DRILLING PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Monument State #13-16-9-17B  
NW SW Section 16, T9S, R17E  
Duchesne County, Utah

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

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

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

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.

b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.

c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.

d. An upper kelly cock will be used during the drilling of this well.

- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

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

Drilling Program/Casing Design (EXHIBIT "D")

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

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

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.

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

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Monument State #13-16-9-17B  
NW SW Section 16, T9S, R17E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. EXISTING ROADS:

- a. Proceed west from Myton, UT on Highway 40 for 1.6 miles to the intersection of Highway 40 and the Sand Wash Road. Turn left and proceed along the Sand Wash road 11.5 miles to a road intersection. Turn left and continue 0.9 miles to a road intersection. Turn left and proceed 1.2 miles to proposed access road sign. Follow flags 0.2 miles to location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. PLANNED ACCESS ROADS: See EXHIBIT "F" Maps A & B

- a. Approximately 0.2 miles of new access is required.
- b. All travel will be confined to location and access routes.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

4. PROPOSED PRODUCTION FACILITIES DIAGRAM:

See EXHIBIT "J" for the Proposed Production Facility layout.

5. WATER SUPPLY:

The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.
- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of at an approved facility according to local and state regulations. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.

f. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None are anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".
- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G".
- d. No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- e. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The State will be contacted prior to commencement of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed.
- c. A plastic nylon reinforced liner will be used, and it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment.

11. SURFACE OWNERSHIP:

State of Utah  
355 West North Temple  
3 Triad Center  
Salt Lake City, UT 84180

12. OTHER INFORMATION:

- a. An Archeology Survey has been ordered and will be provided as soon as it is completed.
- b. If unexpected cultural resources are observed during construction or reclamation operations, Equitable Resources Energy Company's Balcron Oil Division will suspend operations in the vicinity of the discovery and immediately report the finding to the State.
- c. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- d. Drilling operations will be conducted in accordance with the State Division of Oil, Gas and Mining conditions of approval when received.

13. OPERATOR'S REPRESENTATIVES:

Equitable Resources Energy Company, Balcron Oil Division  
1601 Lewis Avenue  
Billings, Montana 59102  
(8:00 a.m. to 5:00 p.m.)  
(406) 259-7860  
FAX: (406) 245-1361

Dave McCoskery, Operations Manager      Home: (406) 248-3864  
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor      Mobile: (801) 828-7291  
Home: (801) 781-1018

# Equitable Resources Well Prognosis

EXHIBIT "C"

<b>Well Name</b> <u>MONUMENT STATE #13-16-9-17B</u>	<b>Exploratory</b> _____	<b>Control Well</b> <u>DD STATE 16-5</u>
<b>Location</b> <u>NW/SW SECTION 16-T9S-R17E (1980 FSL, 660 FWL)</u>	<b>Development</b> <u>X</u>	<b>Operator</b> <u>PARADOX</u>
<b>County</b> <u>DUCHESNE</u>	<b>Field</b> <u>BELUGA</u>	<b>KB</b> <u>5337</u>
<b>State</b> <u>UTAH</u>	<b>Section</b> <u>NW/SW 16</u>	<b>Section</b> <u>SW/NW 16</u>
<b>Total Depth</b> <u>5600</u>	<b>Township</b> <u>9S</u>	<b>Township</b> <u>9S</u>
<b>GL (Ung)</b> <u>5309</u>	<b>Range</b> <u>17E</u>	<b>Range</b> <u>17E</u>
<b>EST. KB</b> <u>5318</u>		

Formation Tops	Prognosis		Sample Top		Control Well Datum	High/Low		Deviation
	Formation	Depth	Datum	Depth		Datum	Prog	
UINTA	<u>SURFACE</u>							
GREEN RIVER	<u>1286</u>	<u>4032</u>			<u>3982</u>			
HORSE BENCH SS	<u>2006</u>	<u>3312</u>			<u>3262</u>			
2ND GARDEN GULCH	<u>3613</u>	<u>1705</u>			<u>1655</u>			
YELLOW MARKER	<u>4221</u>	<u>1097</u>			<u>1047</u>			
DOUGLAS CREEK	<u>4385</u>	<u>933</u>			<u>883</u>			
R-1 (PAY)	<u>4408</u>	<u>910</u>			<u>860</u>			
R-2 (PAY)	<u>4483</u>	<u>835</u>			<u>785</u>			
R-5 (PAY)	<u>4571</u>	<u>747</u>			<u>697</u>			
2ND DOUGLAS CREEK	<u>4623</u>	<u>695</u>			<u>645</u>			
G-1U (PAY)	<u>4641</u>	<u>677</u>			<u>627</u>			
G-1L (PAY)	<u>4723</u>	<u>595</u>			<u>545</u>			
GREEN MARKER	<u>4760</u>	<u>558</u>			<u>508</u>			
G-3 (PAY)	<u>4825</u>	<u>493</u>			<u>443</u>			
G-4 (PAY)	<u>4861</u>	<u>457</u>			<u>407</u>			
BLACK SHALE FACIES	<u>5027</u>	<u>291</u>			<u>241</u>			
CARBONATE MARKER	<u>5226</u>	<u>92</u>			<u>42</u>			
B-1 (PAY)	<u>5265</u>	<u>53</u>			<u>3</u>			
B-3 (PAY)	<u>5395</u>	<u>-77</u>			<u>-127</u>			
TD	<u>5600</u>							

**Samples**

50' FROM 1250' TO 3650'

20' FROM 3650' TO TD

5' THROUGH EXPECTED PAY

5' THROUGH DRILLING BREAKS

**DST,s**

DST #1 \_\_\_\_\_

DST #2 \_\_\_\_\_

DST #3 \_\_\_\_\_

DST #4 \_\_\_\_\_

**Wellsite Geologist**

Name: \_\_\_\_\_

From: \_\_\_\_\_ to: \_\_\_\_\_

Address: \_\_\_\_\_

Phone # \_\_\_\_\_ wk.

\_\_\_\_\_ hm.

Fax # \_\_\_\_\_

**Logs**

DLL FROM SURF CSNG TO TD

LDT/CNL FROM 3400' TO TD

**Cores**

Core #1 \_\_\_\_\_

Core #2 \_\_\_\_\_

Core #3 \_\_\_\_\_

Core #4 \_\_\_\_\_

**Mud Logger/Hot Wire**

Company: \_\_\_\_\_

Required: (Yes/No) YES

Type: 2 MAN

Logger: \_\_\_\_\_

Phone # \_\_\_\_\_

Fax # \_\_\_\_\_

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

<b>Report To:</b> 1st Name: <u>DAVE BICKERSTAFF</u>	Phone # <u>(406)259-7860</u>	wk. <u>(406)245-2261</u>	hm.
2nd Name: <u>KEVEN REINSCHMIDT</u>	Phone # <u>(406)259-7860</u>	wk. <u>(406)248-7026</u>	hm.
<b>Prepared By:</b> <u>DAVE BICKERSTAFF</u>	<u>11/15/95</u>	Phone # _____	wk. _____
			hm.



EQUITABLE RESOURCES  
ENERGY COMPANY  
BALCRON OIL DIVISION

**DRILLING PROGRAM**

WELL NAME: Monument State 13-16-9-17 B  
PROSPECT/FIELD: Beluga Unit  
LOCATION: NW/SW Section 16 Twn.9S Rge.17E  
COUNTY: Duchesne  
STATE: Utah

DATE: 11-29-95

TOTAL DEPTH: 5600

**HOLE SIZE INTERVAL**

12 1/4"	Surface to 260'
7 7/8"	260' to 5600'

CASING	INTERVAL		CASING		
	FROM	TO	SIZE	WEIGHT	GRADE
STRING TYPE					
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	5600'	5 1/2"	15.50	K55

**CEMENT PROGRAM**

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

**PRELIMINARY DRILLING FLUID PROGRAM**

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

**COMMENTS**

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

Operator: BALCRON OIL	Well Name: State 13-16-9-17B
Project ID:	Location: Duchesne/Utah

Design Parameters:

Mud weight ( 9.00 ppg) : 0.468 psi/ft  
 Shut in surface pressure : 2058 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,600	5-1/2"	15.50	K-55	ST&C	5,600	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2618	4040	1.543	2618	4810	1.84	86.80	222	2.56 J

Prepared by : McCoskery, Billings, MT  
 Date : 11-30-1995  
 Remarks :

Minimum segment length for the 5,600 foot well is 1,500 feet.  
 The mud gradient and bottom hole pressures (for burst) are 0.468 psi/ft and  
 2,618 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guide-  
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with  
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body  
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and  
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT E

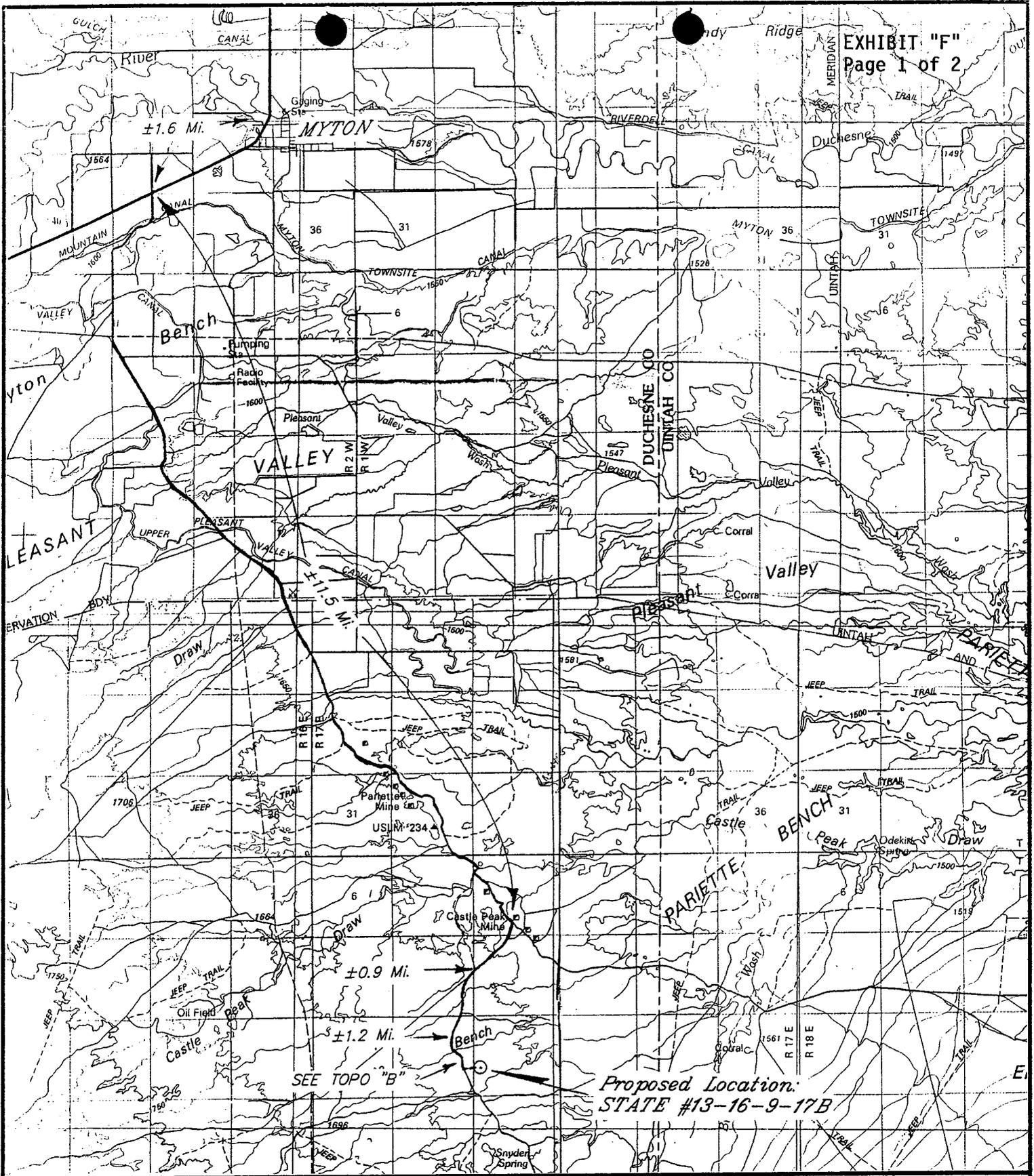
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

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

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

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

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

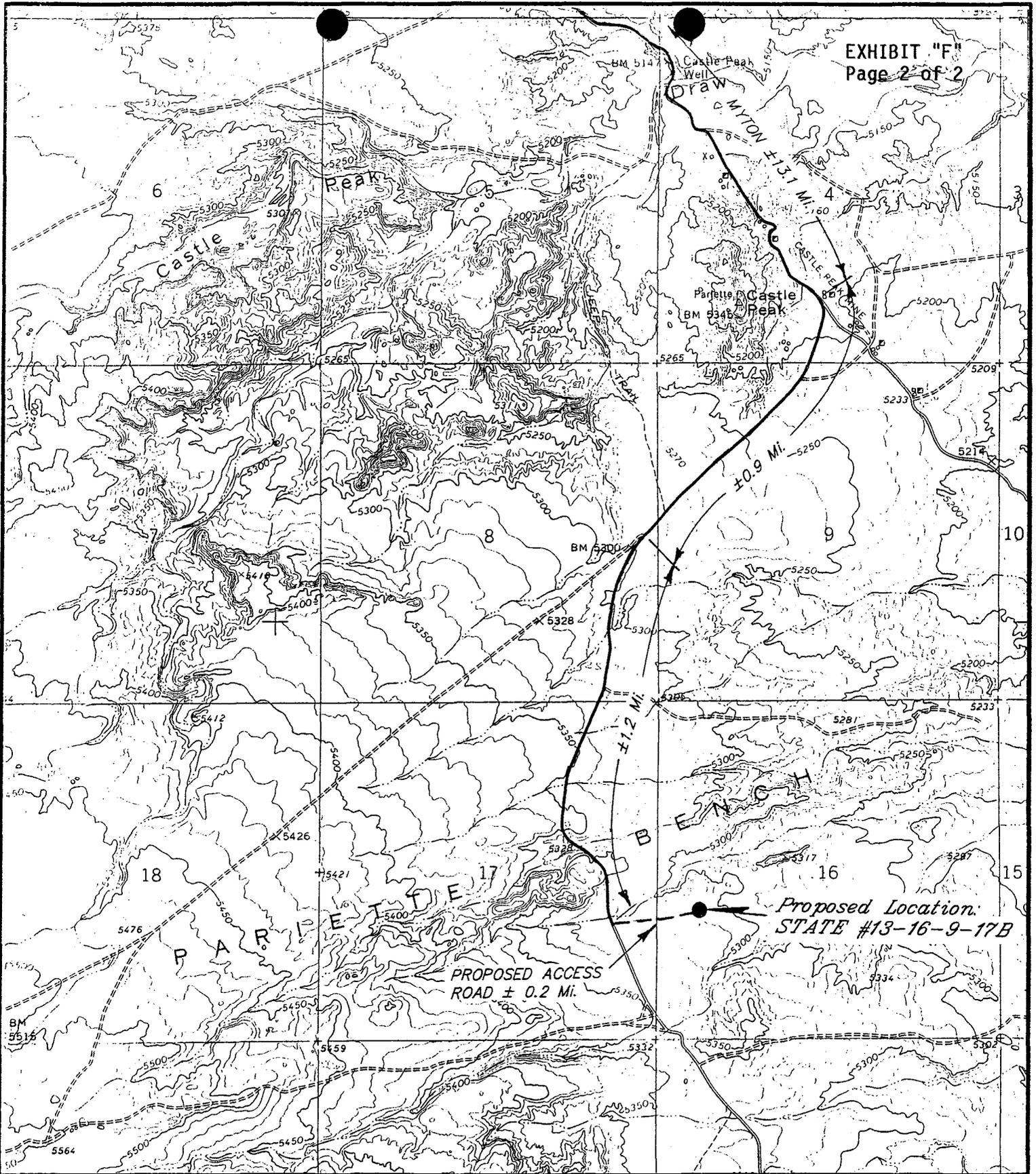


**EQUITABLE RESOURCES CO.**

STATE #13-16-9-17B  
SEC. 16, T9S, R17E, S.L.B.&M.  
TOPO "A"

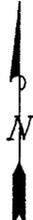


**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078



**EQUITABLE RESOURCES CO.**

STATE #13-16-9-17B  
SEC. 16, T9S, R17E, S.L.B.&M.  
TOPO "B"



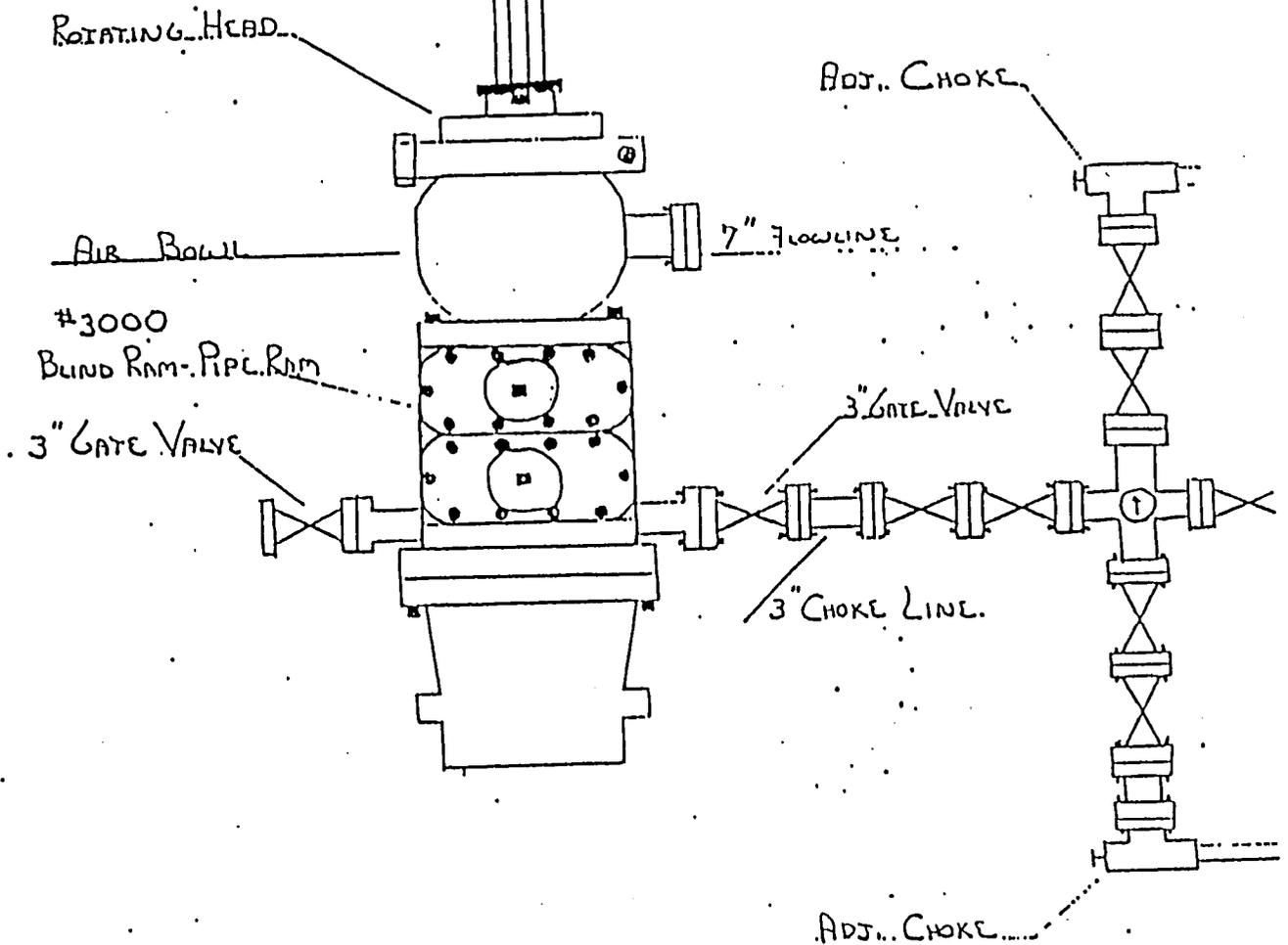
SCALE: 1" = 2000'

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

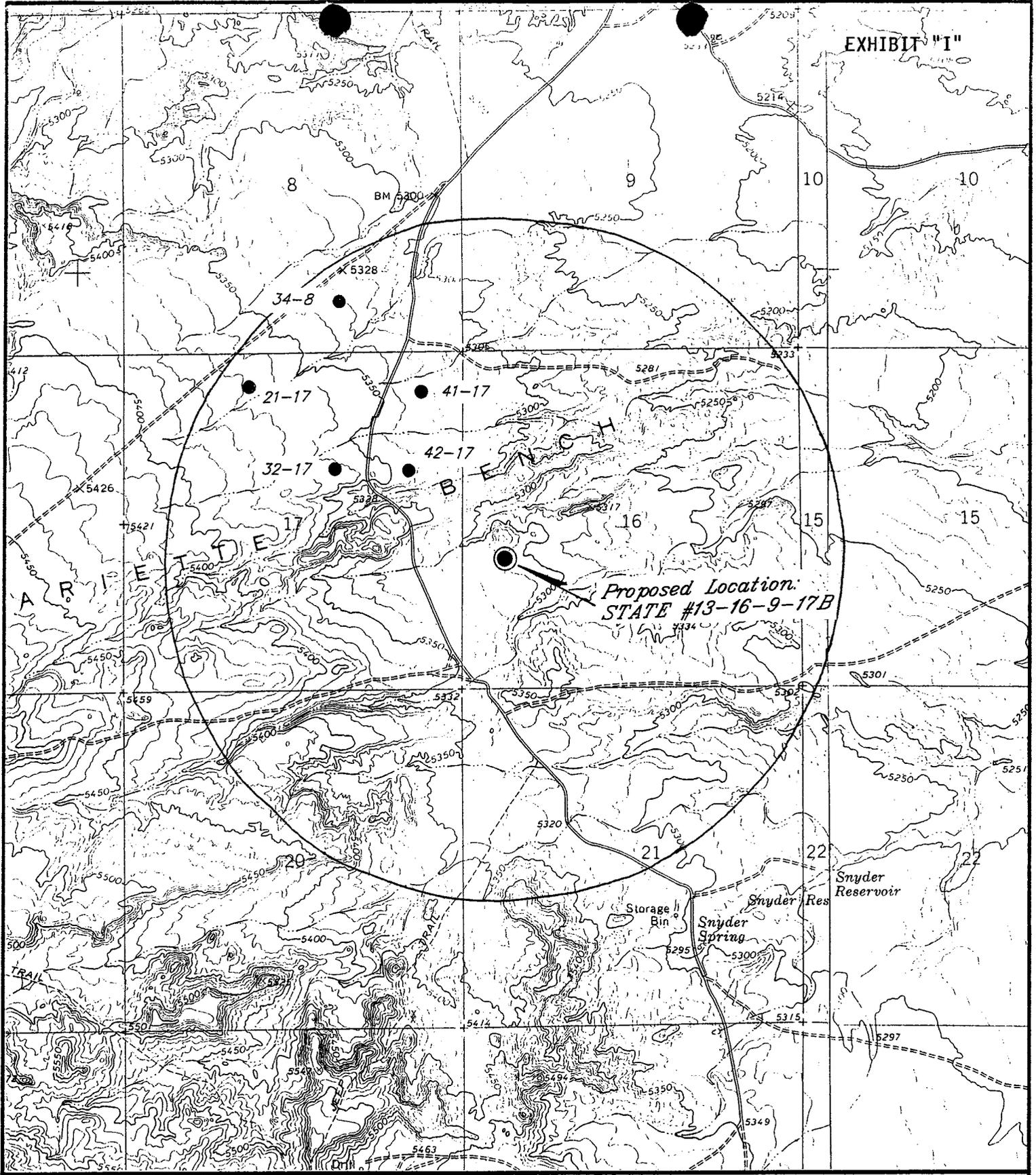


UNION DRILLING RIG #17

Hex Kelly -



#3000 Stack



**EQUITABLE RESOURCES CO.**

STATE #13-16-9-17B  
SEC. 16, T9S, R17E, S.L.B.&M.  
TOPO "C"



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

PROPOSED PRODUCTION FACILITY DIAGRAM

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

DIKE

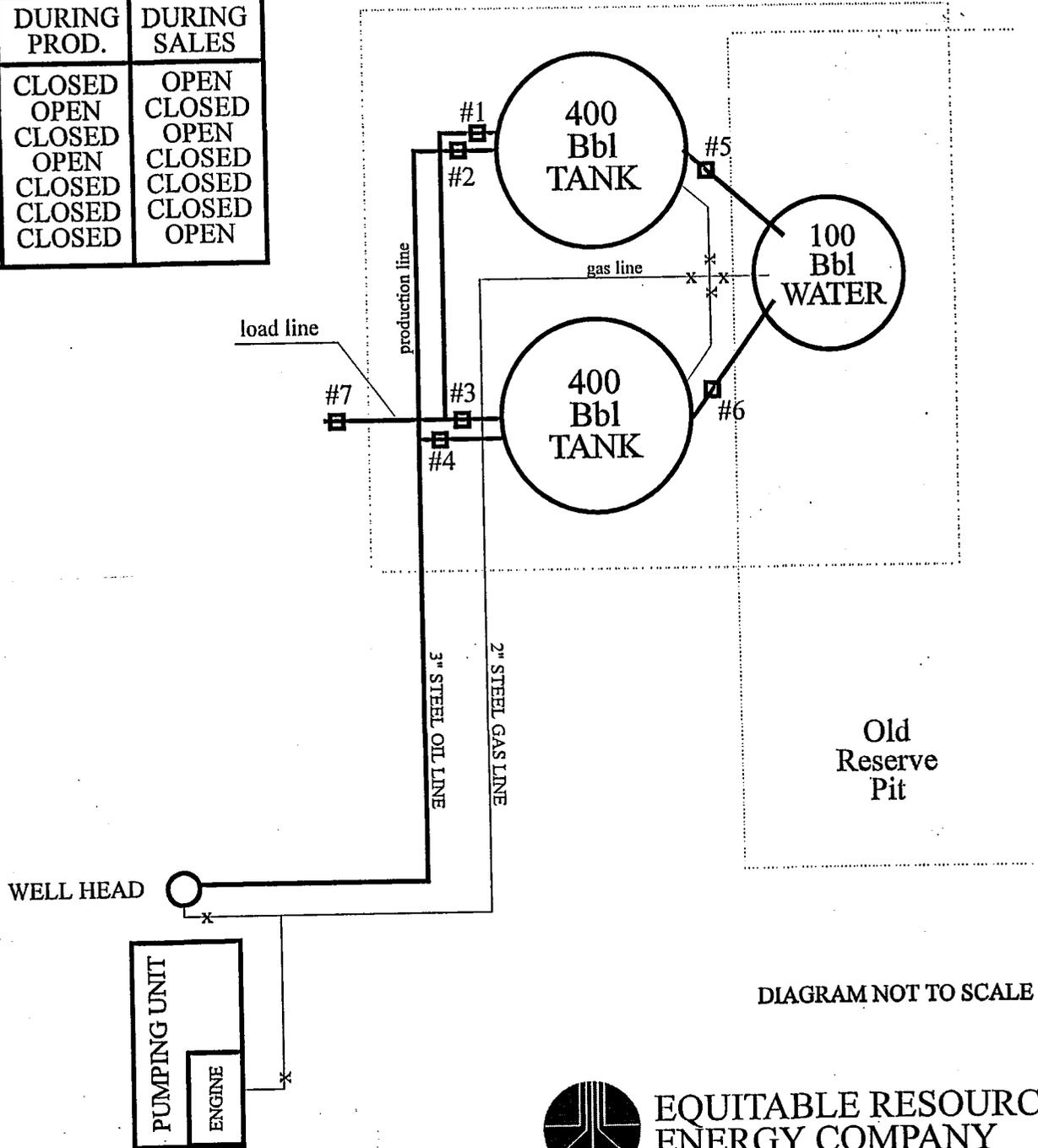


DIAGRAM NOT TO SCALE



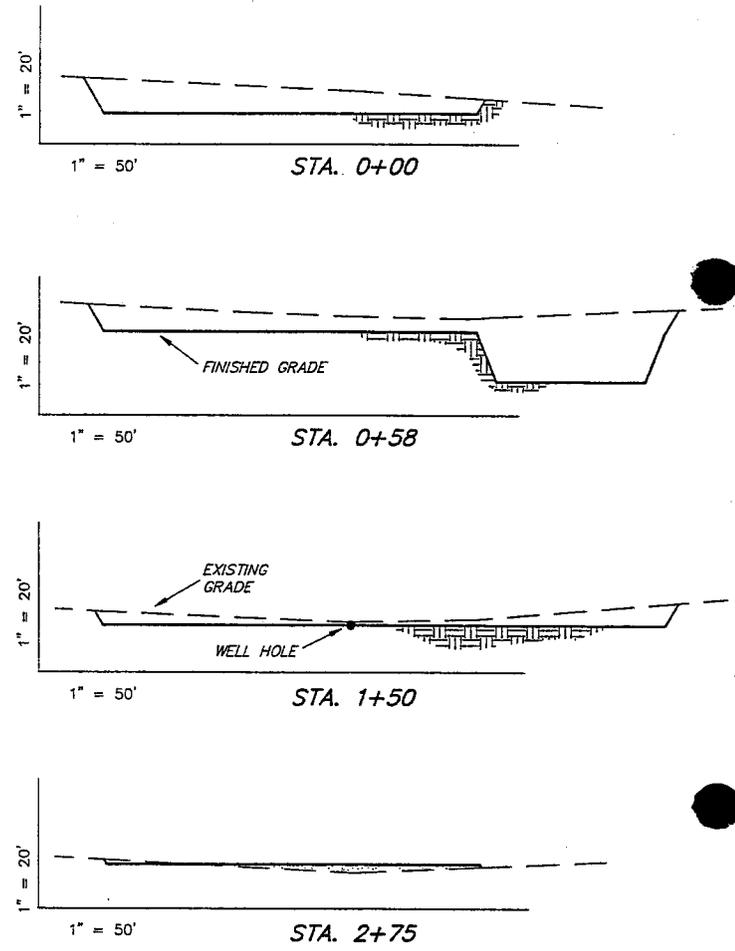
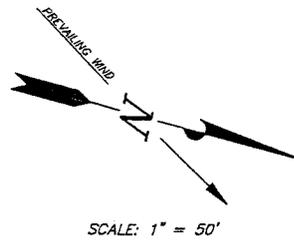
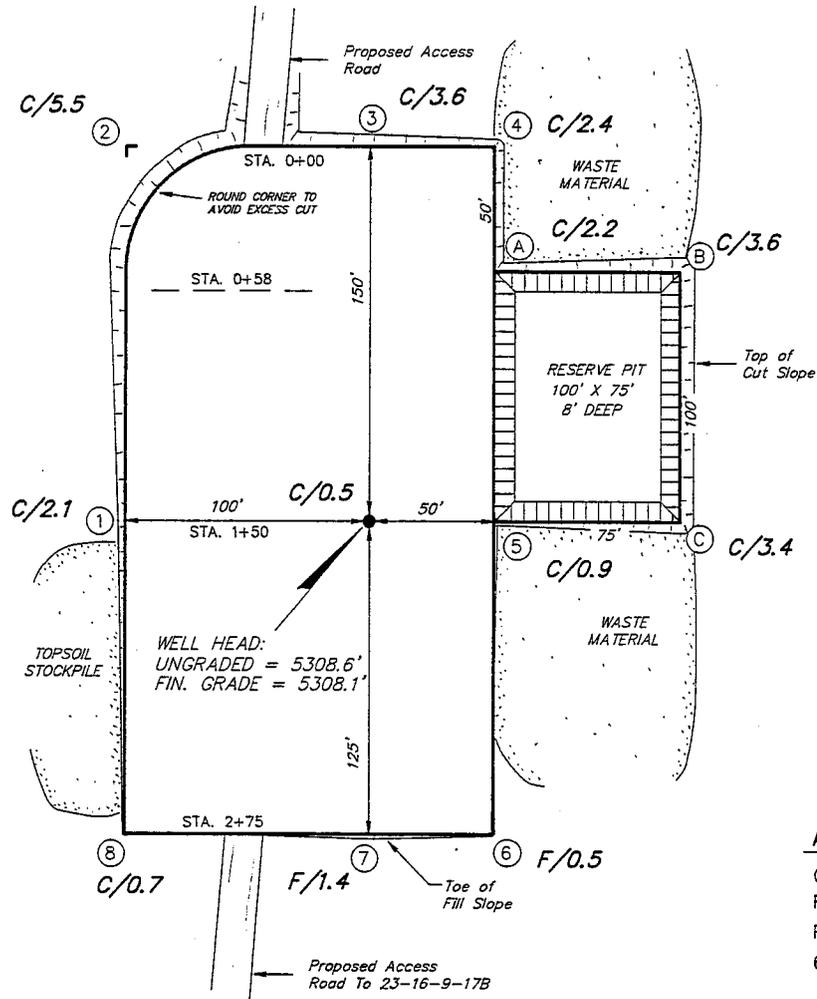
**EQUITABLE RESOURCES  
ENERGY COMPANY**

BALCRON OIL DIVISION

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

# EQUITABLE RESOURCES ENERGY CO.

STATE #13-16-9-17B  
SECTION 16, T9S, R17E, S.L.B.&M.



### REFERENCE POINTS

- 150' SOUTHEAST = 5311.3'
- 200' SOUTHEAST = 5312.9'
- 175' NORTHEAST = 5305.8'
- 225' NORTHEAST = 5305.1'

### APPROXIMATE YARDAGES

- CUT = 2,410 Cu. Yds.
- FILL = 310 Cu. Yds.
- PIT = 1,940 Cu. Yds.
- 6" TOPSOIL = 900 Cu. Yds.

SURVEYED BY: S.S. G.O.

DRAWN BY: J.R.S.

DATE: 10-27-95

SCALE: 1" = 50'

FILE:

**EX-131**

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

38 WEST 100 NORTH VERNAL, UTAH 84408

# **CONFIDENTIAL**

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

Equitable Resources Energy Company,  
Balcron Oil Division  
1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860



**State of Utah  
Division of Oil, Gas & Mining (OGM)**

***ON-SITE PREDRILL EVALUATION AND REVIEW  
FOR  
APPLICATION FOR PERMIT TO DRILL (APD)***

<b>OPERATOR</b> EQUITABLE RESOURCES ENERGY COMPANY			
<b>WELL NO.</b> MONUMENT STATE #13-16-9-17B		<b>LEASE NO.</b> ML - 3453 - B	
<b>API No.</b> 43-013-31580		<b>LEASE TYPE</b> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>	
<b>PROPOSED LOCATION</b>			
$\frac{1}{4} / \frac{1}{4}$ NW SW	SECTION 16	TOWNSHIP 9 S	RANGE 17 E
COUNTY DUCHESNE		FIELD MONUMENT BUTTE 105	
SURFACE 1980 FSL      660 FWL			
BOTTOM HOLE SAME AS SURFACE LOCATION			
GPS COORDINATES 583810      E      4431259      N			
<b>SURFACE OWNER</b> STATE OF UTAH			
SURFACE AGREEMENT      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CONFIDENTIAL      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
<b>LOCATING AND SITING</b>			
<input type="checkbox"/>	UAC R649-2-3.	Unit	<input type="text"/>
<input checked="" type="checkbox"/>	UAC R649-3-2.	General	
<input type="checkbox"/>	UAC R649-3-3.	Exception	
<input type="checkbox"/>	UCA 40-6-6.	Drilling Unit	-- Cause No. <input type="text"/>

## DRILLING PROGRAM

The following information should be included in the Application for Permit to Drill submitted.

- 1 Surface Formation and Estimated Tops/Geologic Markers
- 2 Estimated Depths and Names of Anticipated Water, Oil, Gas or other Mineral Bearing Formations  
  
(All fresh water sands encountered during drilling shall be recorded and reported to the Division on Form 7.)
- 3 Well Control Equipment & Testing Procedures
- 4 Proposed Casing and Cementing Program
- 5 Mud Program, Circulating Medium, and Monitoring equipment
- 6 Coring, Testing, and Logging Program
- 7 Expected Bottom Hole Pressures and any anticipated Abnormal Pressures, Temperatures or Potential Hazards such as hydrogen sulfide, expectations and contingency plans for mitigating identified hazards
- 8 Any other information relative to the proposed operation.

**Onsite Participants:**

Danny Farnsworth (Balcron Oil Company); Dennis L. Ingram (DOGM); David Hackford (DOGM).

**Regional Setting/Topography:**

Arid desert habitat on tablelands on north side of broad basin just south of Pariette Bench. A dry stream bed exists approximately 800 feet to the southeast. The landscape gradually slopes to the south.

**SURFACE USE PLAN:**

Current Surface Use: Domestic livestock grazing and wildlife use.

Proposed Surface Disturbance: 225' x 175' or .90 acres. Access across State Lands is 700' x 18' or .289 acres. Project total 1.189 acres of State Lands.

1. Existing Roads Highway 40 to Myton turnoff south on Sand Wash Road to oil Field ~~access~~ roads in Monument Butte.
2. Planned Access Roads - include length of new road, length of existing road to be upgraded, maximum disturbed and travel surface widths, maximum grades, turnouts, surface materials, drainage, cattleguards 0.2 miles of new access Road will be required. Drilling application from operator does not indicate width of access road? Must be included for permit.
3. Location of existing wells within one-mile radius of proposed location, include water, injection, producing, drilling with present status of each well See the attached map from the GIS Database
4. Location of Production Facilities and Pipelines. Pipelines are already in Place. Production facilities will be on the location
5. Location and Type of Water Supply (include Division of Water Rights approval or identifying number). Water will be supplied by truck to the location while Drilling operations are underway.
6. Source of Construction Material. Materials will be borrowed from location Spoil.
7. Waste Management Plan. See part 7 of the surface use plan of the APD. This Plan appears to be complete.
8. Ancillary Facilities. None will be required.

9. Well Site Layout. See the attached plat labeled as Exhibit "L".
10. Surface Restoration Plans. As required by the Division of State Lands.

**ENVIRONMENTAL PARAMETERS:**

**Affected Floodplain and/or Wetlands:**

A 404 dredge and fill permit may be required if this site is in or adjacent to a wetland or other established drainage or floodplain. (Contact the Army Corps of Engineers if there are concerns of this nature) No.

**Flora/Fauna:**

Briefly describe the flora found on the proposed site and the fauna evidenced or sighted on or near the proposed location Vegetative cover consists of shadscale community species: bladderpod, shadscale, prickly pear cactus, bunch grass. Antelope, rabbit, coyote, small birds, raptors, reptiles, and insects habitat.

**SURFACE GEOLOGY**

Soil Type and Characteristics: Uinta Formation of Upper Eocene Age.

Surface Formation & Characteristics: Very fine grained, buff colored sand that contains a minor amount of Pleistocene gravel.

Erosion/Sedimentation/Stability: Minor erosion, minor sedimentation, no stability problems anticipated.

Paleontological Potential Observed: None observed on pre-site visit.

**RESERVE PIT**

Characteristics: Located uphill in cut from location and measures 100' x 75' x 8'

Lining (Site ranking form attached): 20 points

**OTHER OBSERVATIONS**

Cultural Resources/Archaeology (if proposed location is on State land, has an archaeology clearance been obtained?): "An archaeology Survey has been ordered and will be provided (to DOGM) as soon as it is completed," States Equitable Resources.

Comments: Ground was 100 percent open (no snow cover) on visit. The first 700 feet of access crosses BLM Lands and Equitable is working with them for access into State Lands.

Dennis L. Ingram

**OGM Representative**

12/8/95 at 3:15 P.M

**Date and Time**

**STATEMENTS OF BASIS**

**OGM Review of Application for Permit to Drill (APD)**

Company: EQUITABLE RESOURCES

Well Name: MONUMENT STATE 13-16-9-17B

**ENGINEERING/LOCATING and SITING:**

The proposed location meets the location and siting requirements of R649-3-2. The application and proposed casing and drilling plan appear to be consistent with accepted industry standards of practice and sound engineering design. A casing design safety check is attached. Blow out prevention and monitoring/contingency plans are adequate.

Signature: F. R. Matthews Date: 12/19/95

**GEOLOGY/GROUND WATER:**

The proposed casing and cement program will adequately protect any water encountered.

Signature: D. Jarvis Date: 12/19/95

**SURFACE:**

The pre-site investigation of the surface has been performed by field personnel. All applicable surface management agencies and land owners were notified and their concerns accommodated where reasonable and possible.

Signature: Dennis L. Ingram Date: 12/12/95

**STIPULATIONS for APD Approval:**

- 1. A pit liner of 12 Mils thickness minimum shall be required.
- 2. No other access roads are developed without approval by State Lands.
- 3.
- 4.

**ATTACHMENTS:**

- 1. Photographs of well site in predrill condition.

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

Site-Specific Factors	Ranking Score	Final Ranking Score
<b>Distance to Groundwater (feet)</b> >200 100 to 200 75 to 100 25 to 75 <25 or recharge area	0 5 10 15 20	5
<b>Distance to Surf. Water (feet)</b> >1000 300 to 1000 200 to 300 100 to 200 < 100	0 2 10 15 20	0
<b>Distance to Nearest Municipal Well (feet)</b> >5280 1320 to 5280 500 to 1320 <500	0 5 10 20	0
<b>Distance to Other Wells (feet)</b> >1320 300 to 1320 <300	0 10 20	0
<b>Native Soil Type</b> Low permeability Mod. permeability High permeability	0 10 20	10

<b>Fluid Type</b> Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	0 5 10 15 20	5
<b>Drill Cuttings</b> Normal Rock Salt or detrimental	0 10	0
<b>Annual Precipitation</b> (inches) <10 10 to 20 >20	0 5 10	0
<b>Affected Populations</b> <10 10 to 30 30 to 50 >50	0 6 8 10	0
<b>Presence of Nearby Utility Conduits</b> Not Present Unknown Present	0 10 15	0

<b>Final Score</b>	<b>20 points.</b>
--------------------	-------------------

The summation of all of the above ranking scores will yield one value which shall be used to determine the appropriate type of containment, on a case-by-case basis. The sensitivity levels are as follows:

- Level I Sensitivity: For scores totaling  $\geq 20$
- Level II Sensitivity: For scores totaling 15 to 19
- Level III Sensitivity: For scores totaling  $< 15$

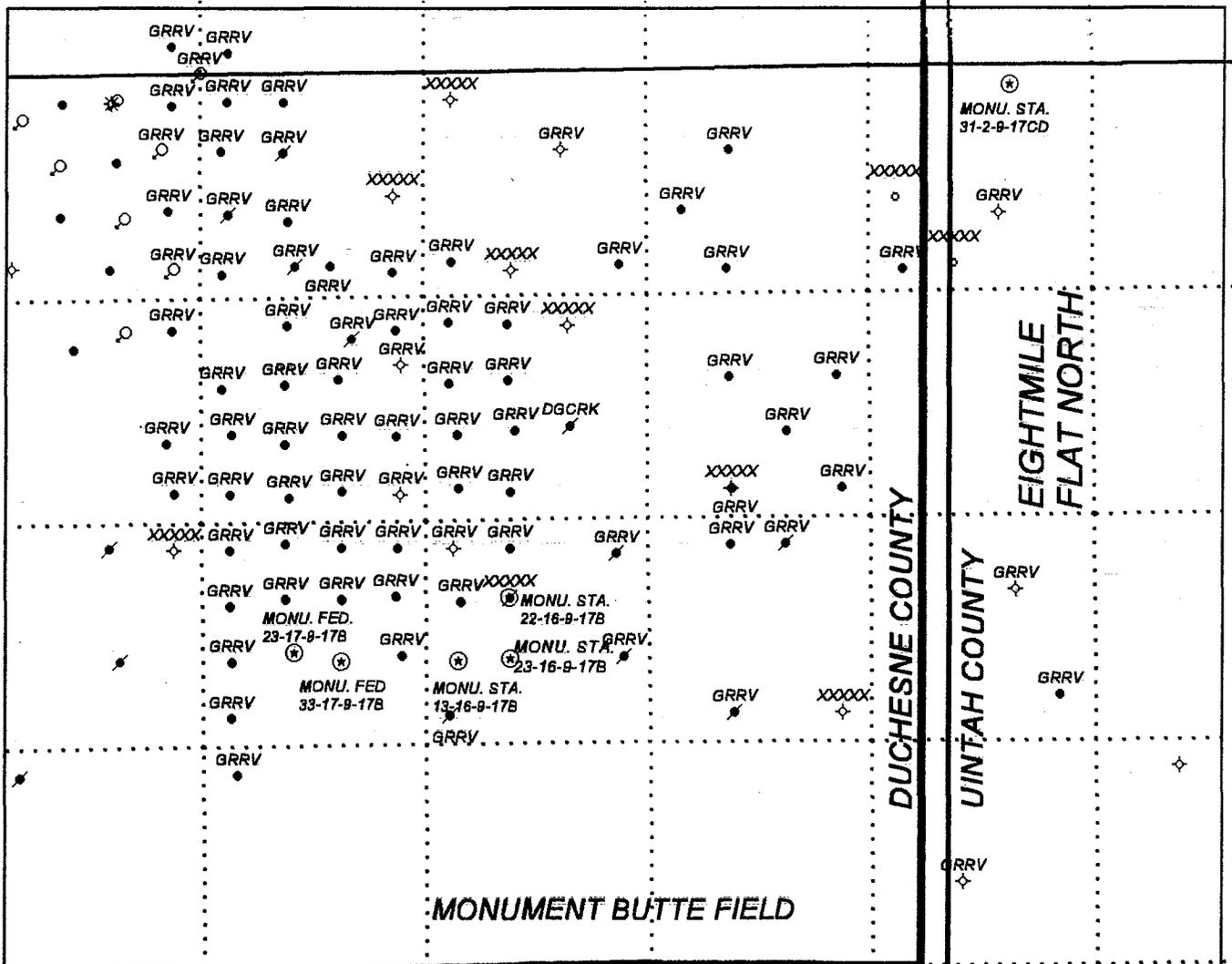
**Containment Requirements According to Sensitivity Level**

- Level I: Requires total containment by synthetic liner, concrete structure or other type of total containment structure or material.
- Level II: Bentonite or other compatible lining is discretionary depending on the fluid to be contained and environmental sensitivity.
- Level III: No specific lining requirements.

**OTHER GUIDELINES FOR PITS**

1. Unlined pits shall not be constructed on areas of fill materials.
2. A pit shall not be constructed in a drainages or floodplain of flowing or intermittent streams.
3. Synthetic liners used for lining reserve pits, shall be of 12 mil thickness or greater and shall be compatible with the fluid to be contained. Synthetic liners used for lining onsite pits with a longer expected life shall be a minimum of 30 mil thickness or as approved by the Division.
4. Synthetic liners shall be installed over smooth fill material which is free of pockets, loose rocks or other materials which could damage the liner.
5. Monitoring systems for pits or closed mud systems may be required for drilling in sensitive areas.

**Field: MONUMENT BUTTE & EIGHT MILE FLAT NORTH**  
**Formation: GREEN RIVER**  
**County: DUCHESNE & UINTAH**  
**Field No.: 105 & 570**  
**State Spacing: R649-3-2 & R649-3-3**



**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: EQUITABLE RESOURCES CO</b>	<b>Well Name: MON STATE 13-16-9-17B</b>
<b>Project ID: 43-013-31580</b>	<b>Location: SEC. 16 - T09S - R17E</b>

Design Parameters:

Mud weight ( 8.90 ppg) : 0.462 psi/ft  
 Shut in surface pressure : 2221 psi  
 Internal gradient (burst) : 0.066 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

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

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,600	5.500	15.50	K-55	ST&C	5,600	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2589	4040	1.560	2589	4810	1.86	86.80	222	2.56 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 12-19-1995  
 Remarks :

Minimum segment length for the 5,600 foot well is 1,500 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 115°F (Surface 74°F , BHT 152°F & temp. gradient 1.400°/100 ft.)  
 String type: Production  
 The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 2,589 psi, respectively.

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





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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

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

January 3, 1996

Equitable Resources Energy  
P.O. Box 21017  
Billings, Montana 59104

Re: Monument State #13-16-9-17B Well, 1980' FSL, 660' FWL, NW SW, Sec. 16,  
T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31580.

Sincerely,

  
R. J. Erth  
Associate Director

lwp

Enclosures

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

WAPD



Operator: Equitable Resources Energy  
Well Name & Number: Monument State #13-16-9-17B  
API Number: 43-013-31580  
Lease: ML-3453-B  
Location: NW SW Sec. 16 T. 9 S. R. 17 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

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

3. Reporting Requirements

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

4. On-site Pre-drill Evaluation and Review

Compliance with all requirements and stipulations developed during the onsite evaluation and review.

**CULTURAL RESOURCE EVALUATION  
OF FOUR PROPOSED WELL LOCATIONS & ACCESS ROUTES  
IN THE CASTLE PEAK DRAW LOCALITY  
UINTAH & DUCHESNE COUNTIES, UTAH**

Report Prepared for Balcron Oil Division  
(Monument State Units 31-2-9-17, 13-16-9-17, 22-16-9-17, 23-16-9-17)

*43-017-31580*  
Dept. of Interior Permit No.: UT-95-54937  
AERC Project 1512 (BLCR-95-8A)

Utah State Project No.: UT-95-AF-664b,s

Principal Investigator  
F. Richard Hauck, Ph.D.

Author of the Report  
F. Richard Hauck



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

181 North 200 West, Suite 5  
Bountiful, Utah 84010

January 19, 1996

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Division of four proposed well locations (Monument State Units 31-2-9-17, 13-16-9-17, 22-16-9-17 and 23-16-9-17) and their 1.6 miles of associated access routes situated on Utah State lands and public lands (BLM: Vernal District). This project area is located in the Castle Peak Draw locality of Uintah & Duchesne Counties, Utah. This evaluation involved a total of 59.4 acres. These evaluations were conducted by Richard Beaty and Michael Hauck of AERC between November 28 and December 8, 1995.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified prehistoric cultural resource activity loci were discovered and recorded during the examinations.

No isolated diagnostic artifacts were noted during the investigations.

No paleontological loci were identified during the surface examinations.

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

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## GENERAL INFORMATION

On November 28 through December 8, 1995, AERC archaeologists Richard Beaty and Michael Hauck conducted an intensive cultural resource evaluation for Balcron Oil Division of Billings Montana. This examination involved four proposed well locations and associated access routes in the Castle Peak Draw locality southeast of Myton, Utah (see Maps 1 through 3). These four well locations include Monument State Units 31-2-9-17, 13-16-9-17, 22-16-9-17 and 23-16-9-17. About 1.6 miles of access routes (see Maps 2 and 3) were also examined for cultural resource presence. All four locations and 1.4 miles of access route (57 acres) are situated on Utah State lands. Portions of two access routes totaling .2 mile (2.4 acres), as shown on Map 3, are on public lands administrated by the Vernal District of the Bureau of Land Management. A total of 59.4 acres was examined; 57 acres on Utah State lands and 2.4 acres are on public lands.

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

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Utah division of State Lands and Forestry and to the State Antiquities Section, Division of State History.

### Project Location

The project location is in the Castle Peak Draw locality of Duchesne and Uintah Counties, Utah. One location (Monument State Unit 31-2-9-17) is in Uintah County and is shown on the Pariette Draw SW topographic quad (see Map 2). The other three locations are in Duchesne County and are situated on the Myton SE 7.5 minute topographic quad (see Map 3).

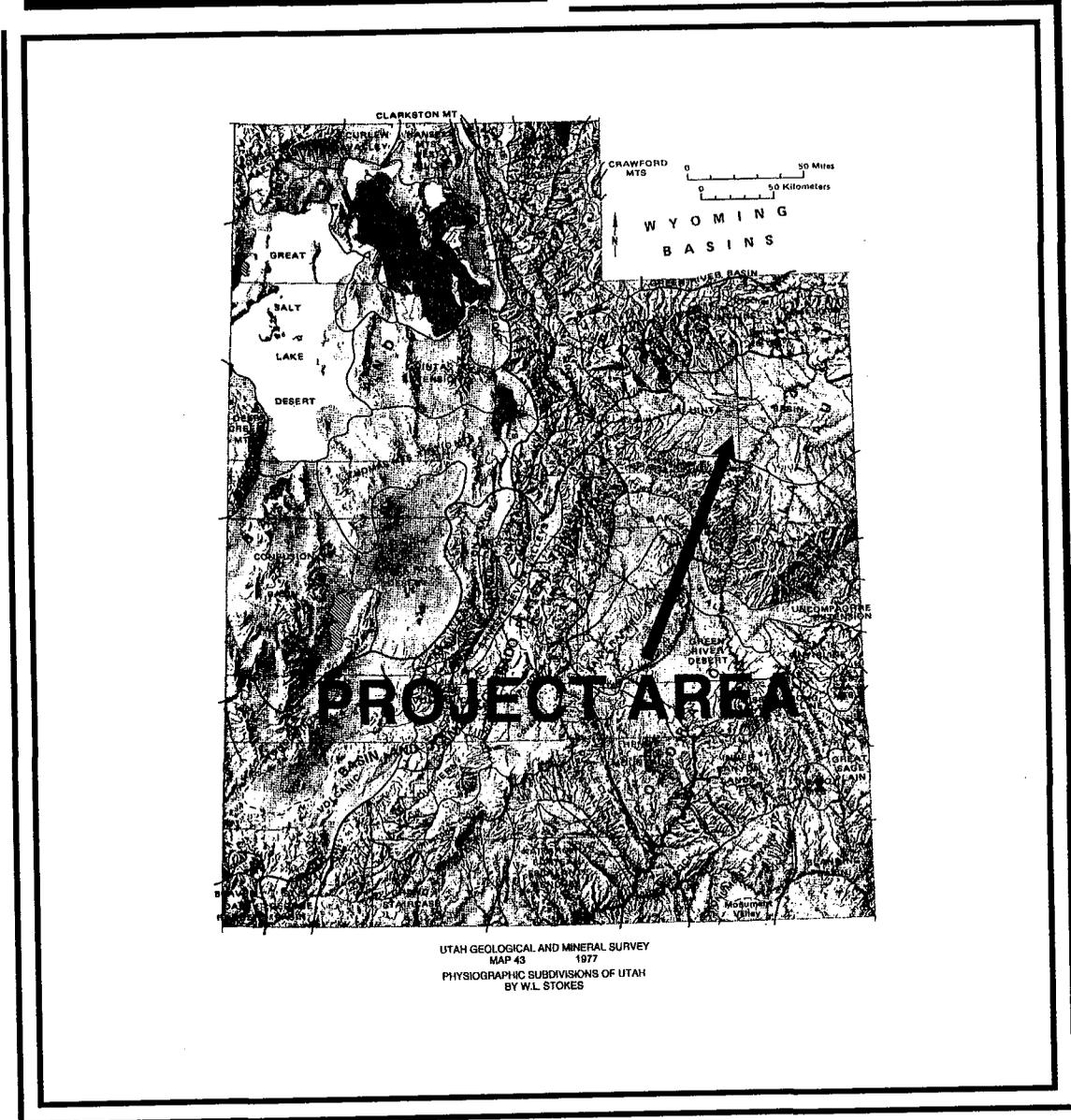
Monument State Unit 31-2-9-17 is situated in the Northwest quarter of the Northeast quarter of Section 2, Township 9 South, Range 17 East (see Map 2). Access to this location begins in the SE quarter of the NW quarter of that section and proceeds in a northerly and easterly course to the staked well pad.

Monument State Unit 13-16-9-17B is situated in the Northwest quarter of the Southwest quarter of Section 16, Township 9 South, Range 17 East (see Map 3). Access to this location

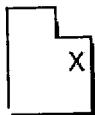
MAP 1: GENERAL PROJECT LOCALITY  
 IN  
 UINTAH AND DUCHESNE COUNTIES  
 UTAH



PROJECT: BLCR - 95 - 8A  
 SCALE: see below  
 QUAD: see below  
 DATE: January 18, 1996



UTAH GEOLOGICAL AND MINERAL SURVEY  
 MAP 43 1977  
 PHYSIOGRAPHIC SUBDIVISIONS OF UTAH  
 BY W.L. STOKES



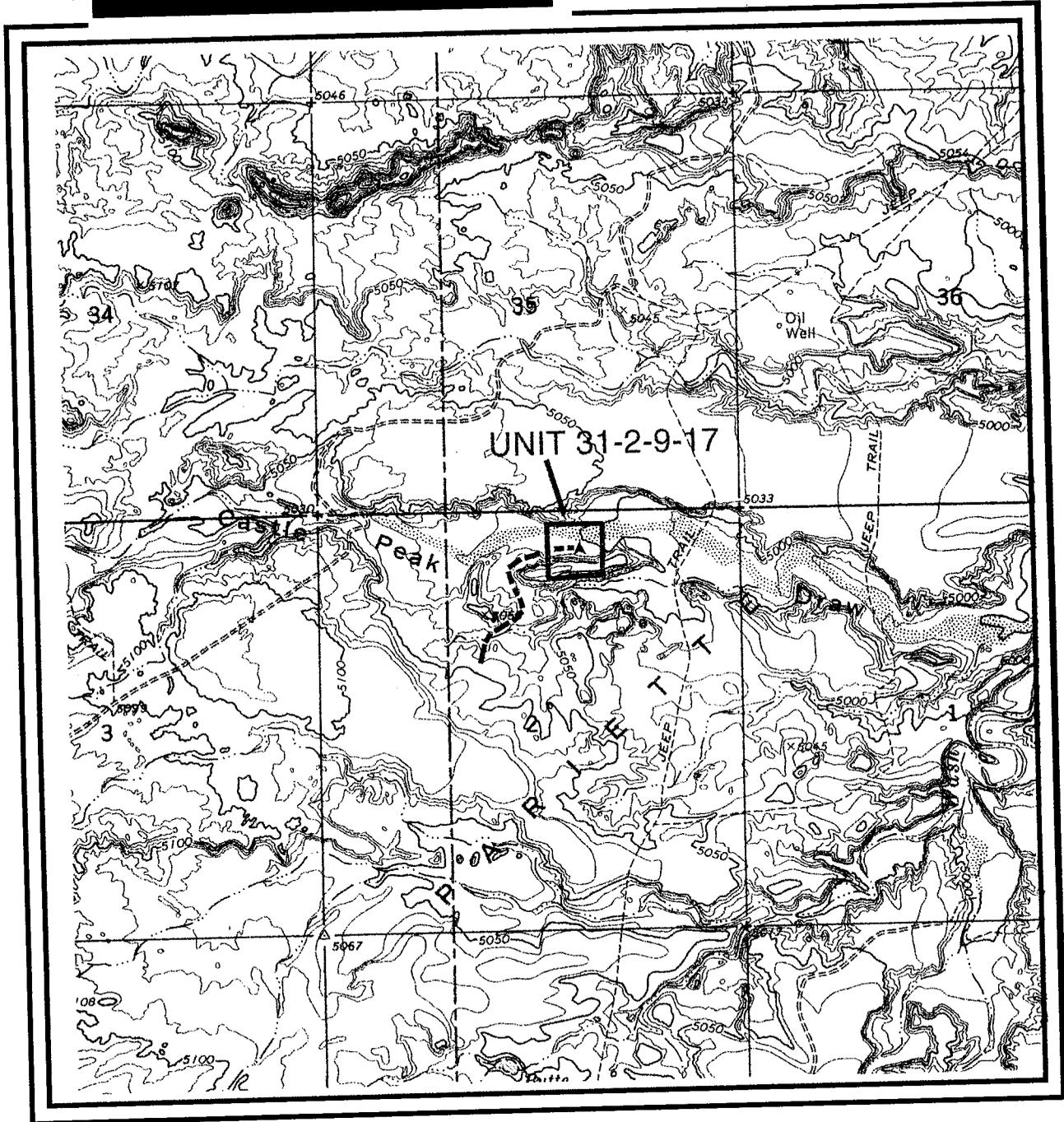
UTAH

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

**MAP 2: CULTURAL RESOURCE SURVEY  
OF BALCRON LOCATIONS IN THE  
CASTLE PEAK DRAW LOCALITY  
OF DUCHESNE & Uintah COUNTIES  
UTAH**



**PROJECT:** BLCR - 95 - 8A  
**SCALE:** 1:24,000  
**QUAD:** Pariette Draw SW, Utah  
**DATE:** January 18, 1996



**LEGEND**

**TOWNSHIP:** 8 & 9 South  
**RANGE:** 17 East  
**MERIDIAN:** Salt Lake B. & M.

**Well Location** ▲  
**Access Route** - - - - -

**Ten Acre  
Survey  
Area** □

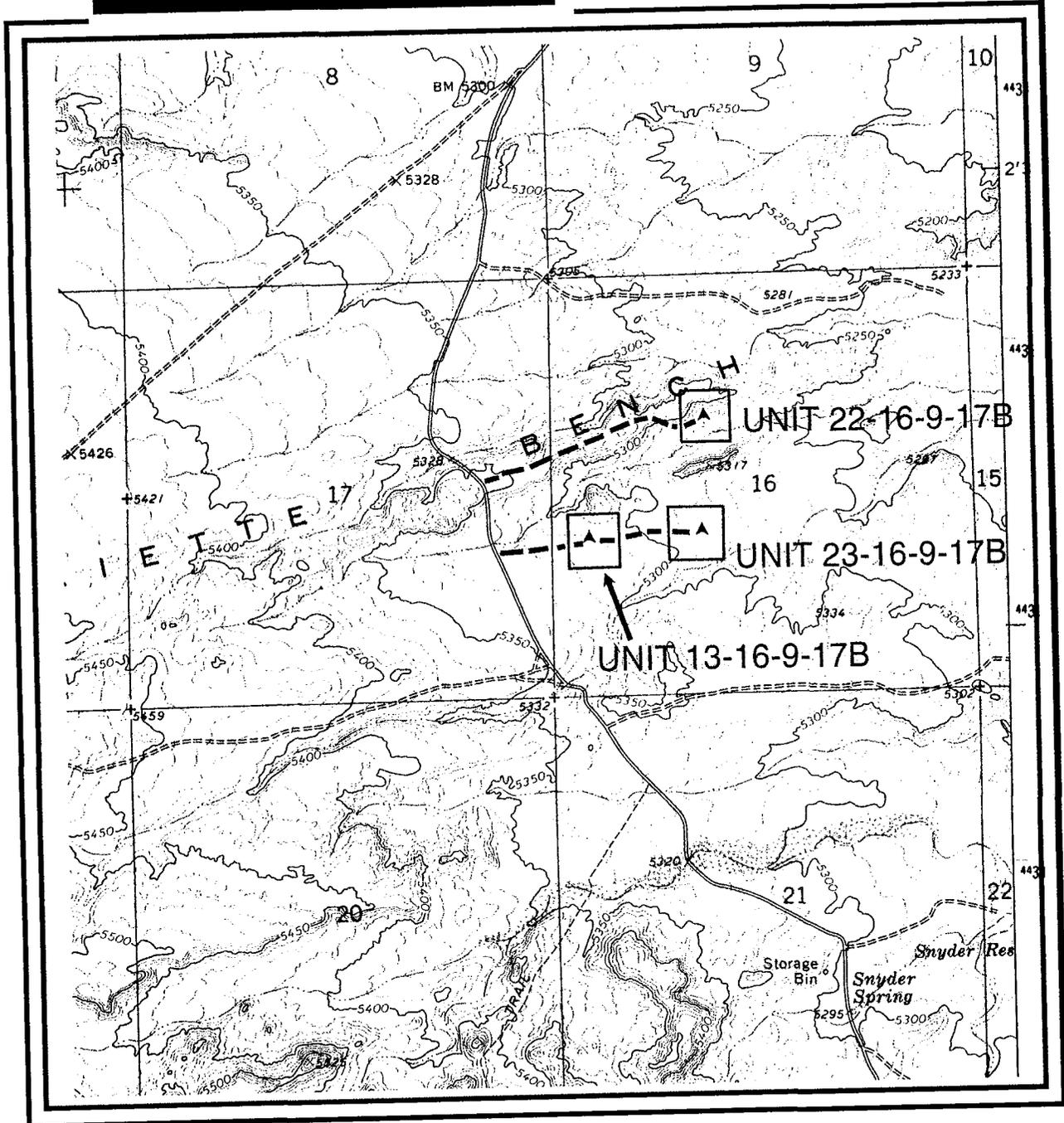


**UTAH**

**MAP 3: CULTURAL RESOURCE SURVEY  
OF BALCRON LOCATIONS IN THE  
CASTLE PEAK DRAW LOCALITY  
OF DUCHESNE & Uintah COUNTIES  
UTAH**



**PROJECT:** BLCR - 95 - 8A  
**SCALE:** 1:24,000  
**QUAD:** Myton SE, Utah  
**DATE:** January 18, 1996



**LEGEND**

**TOWNSHIP:** 9 South  
**RANGE:** 17 East  
**MERIDIAN:** Salt Lake B. & M.

**Well Location** ▲  
**Access Route** - - - - -

**Ten Acre  
Survey  
Area** □



begins on public lands in the Northeast quarter of the Southeast quarter of adjacent Section 17 and proceeds east to the staked well pad.

Monument State Unit 22-16-9-17B is situated in the Southeast quarter of the Northwest quarter of Section 16, Township 9 South, Range 17 East (see Map 3). Access to this location begins on public lands in the Southeast quarter of the Northeast quarter of adjacent Section 17 and proceeds in a northeasterly direction to the staked well pad.

Monument State Unit 23-16-9-17B is situated in the Northeast quarter of the Southwest quarter of Section 16, Township 9 South, Range 17 East (see Map 3). Access to this location begins on public lands in the Northeast quarter of the Southeast quarter of adjacent Section 17 and proceeds east through Monument State Unit 13-16-9-17B to the staked well pad.

### Environmental Description

The project area is within the 5000 to 5350 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

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

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

### PREVIOUS RESEARCH IN THE LOCALITY

#### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 15, 1995. A similar search was conducted in the Vernal District Office of the BLM on November 28, 1995. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

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

## Prehistory and History of the Cultural Region

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

## Site Potential in the Project Development Zone

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

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

## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeological team walking a series of 10 to 20 meter-wide transects within each ten acre well location which includes the staked pad and an appropriate buffer zone around the well. The archaeologists also examined 100 foot-wide corridors centered on each flagged access centerline by walking similar transects. The accumulated acreage for these access transects and the four well locations contain a total of 59.4 acres.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus, i.e., site). The documentation of each specific cultural site results in its subsequently being sketched, photographed, transit mapped, and appropriately recorded on standardized site forms.

Cultural sites are then evaluated by the Principal Investigator for depth potential utilizing AERC's portable ground penetrating radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. [GSSI] of North Salem, New Hampshire). Radar assessment within archaeological sites is accomplished by one team member pulling the radar antenna across the site's surface while the Principal Investigator "reads" data directly observable on a battery powered computer's monitor that is directly linked to the antenna. GPR is a valuable tool for determining the presence and density of any buried materials, features or strata whether cultural or natural, but it is particularly valuable in ascertaining archaeological depth potential on a site because it provides an immediate view on the computer of the buried strata and features. In addition, ground penetrating radar is a non-intrusive and non-destructive method of verifying site depth potential -- an important consideration in ensuring the protection and integrity of the rare, non-replaceable, non-renewable cultural resources.

With depth of deposit and feature/strata information provided by GPR, the standards described in the section below are used by the Principal Investigator to establish site significance. When GPR data reflecting the buried potential of the resource coupled with the Principal Investigator's surface evaluation of the site results in the determination that the site is a significant resource, i.e., it satisfies one or more of the criteria established in Title 36 CFR 60 as explained below, the Principal Investigator develops one or more mitigation actions as recommendations that can aid federal and state cultural resource administrators in facilitating the preservation of significant resources which may be situated within the potential development zone.

## Site Significance Criteria

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

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

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

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

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

## Results of the Inventory

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations.

No previously identified and recorded significant or National Register sites were noted during the survey; Balcron's proposed development of these four well locations will not have any adverse effect on existing known cultural resources situated in this locality.

No diagnostic isolated artifacts were observed or recorded during the evaluation. One core flake fragment, possibly the results of a prehistoric "tap and test" episode was observed within the ten acre parcel associated with Monument State Unit 23-16-9-17B.

No paleontological loci were identified during the evaluations.

## CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the four proposed Balcron Oil Division well locations and access routes as identified in this report.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Division relative to the development of these proposed wells and access routes based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



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

## REFERENCES

Fike, Richard E. and H. Blaine Phillips II

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

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a Excavation (in) "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, ( Richard E. Fike and Blaine Phillips II editors and principal authors) Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

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

Hauck, F. Richard and Glade V Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.

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

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

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

Hauck, F. Richard and Norman, V. Garth

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

Hauck, F. Richard and Dennis Weder

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

Stokes, W. L.

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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
CEMENTING OPERATIONS

WELL NAME: MONUMENT STATE #13-16-9-17B API NO: 43-013-31580

QTR/QTR: NW/SW SECTION: 16 TOWNSHIP: 9S RANGE 17E

COMPANY NAME: EQUITABLE RESOURCES COMPANY MAN DAVID GRAY

INSPECTOR: DENNIS L. INGRAM DATE: 3/5/96

CASING INFORMATION: SURFACE CASING: YES

SIZE: 8 5/8" GRADE: J-55 HOLE SIZE: 12 1/4 DEPTH: 280'

PIPE CENTRALIZED: THREE

CEMENTING COMPANY: BJ SERVICES

CEMENTING STAGES: SINGLE

SLURRY INFORMATION:

1. CLASS: "G" ADDITIVES: 2% CALCIUM CHLORIDE  
1/4# CELLO-FLAKE

LEAD : 160 SACKS TAIL: \_\_\_\_\_

2. SLURRY WEIGHT LBS. PER GALLON:

LEAD: 15.8 PPG TAIL: \_\_\_\_\_

3. WATER (GAL/SK)

LEAD: 4.97 GALLONS PER SACK TAIL: \_\_\_\_\_

CEMENT TO SURFACE: 5 BARRELS LOST RETURNS: NO

1 INCH INFORMATION: WEIGHT: \_\_\_\_\_ CEMENT TO SURFACE: \_\_\_\_\_

FEET: \_\_\_\_\_ SK: \_\_\_\_\_ CLASS: \_\_\_\_\_ CACLX: \_\_\_\_\_ RETURNS: \_\_\_\_\_

ADDITIONAL COMMENTS: HOLE STAYED FULL AFTER JOB. GOOD CEMENT TO  
SURFACE. YIELD WAS 1.14. BJ HAND-WEIGHED CEMENT TO VERIFY  
THAT INSTRUMENTS WERE WORKING CORRECTLY.

~~CONFIDENTIAL~~  
~~CONFIDENTIAL~~

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: MONUMENT BUTTE STATE 13-16-9-17B

Api No. 43-013-31580

Section 16 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 3/5/96

Time 7:00 AM

How ROTARY

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

Reported by DAILY OPERATING REPORT

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

Date: 3/11/96 Signed: JLT



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

MAR 11 1996  
DIV OF OIL, GAS & MINING  
Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

March 7, 1996

State of Utah  
Division of Oil, Gas, and Mining  
355 West North Temple  
Salt Lake City, UT 84180

Gentlemen:

RE: Balcron Monument State #13-16-9-17B  
Beluga Unit  
NW SW Section 16, T9S, R17E  
Duchesne County, Utah  
API #43-013-31580

This letter is notice that the subject well was spud on 3-6-96 at 7:00 a.m. I have also enclosed the Entity Action Form 6.

Please feel free to contact me if you have any questions.

Sincerely,

*Molly Conrad*

Molly Conrad  
Operations Secretary

/mc

cc: Bureau of Land Management (Vernal Utah)  
Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX  
Bobbie Schuman

OPERATOR Equitable Resources Energy Company  
Balcon Oil Division  
 ADDRESS 1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	11880		43-013-31580	Monument State #13-16-9-17B	NW SW	16	9S	17E	Duchesne	3-6-96	3-6-96
WELL 1 COMMENTS: Spud of a new well, please add to current Beluga Entity. <i>Entity added 3-13-96. JCC</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

(3/82)

Signature \_\_\_\_\_  
 Operations Secretary 3-7-96  
 Title \_\_\_\_\_ Date \_\_\_\_\_  
 Phone No. 406-655-0563

**DAILY OPERATING REPORT**

**MONUMENT STATE #13-16-9-17B**

**Location: NW SW Section 16, T9S, R17E**

**Duchesne County, Utah**

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

**Monument Butte Field/Beluga Unit**

03/05/96	Present Operation: MIRU	
03/06/96	TD: 280' (280') Day: 1 Formation: Sand & Shale Present Operation: Drilling Cement (280') RU Union Drilling Rig 17. Spud surface hole @ 7:00 am 3/5/96. Drill to 280'. Run 6 jts 8-5/8" , 24# csg to 260'. Cement w/160 sks. Plug down @ 6:30 pm. NU BOP, test BOP. Drill cement. DC: \$5,040	CC: \$5,040
03/07/96	TD: 1,567' (1,287') Day: 2 Formation: Sand & Shale Present Operation: Drill 7-7/8" hole. DC: \$23,166	CC: \$28,206
03/08/96	TD: 2,944' (1,377') Day: 3 Formation: Sand and Shale Present Operation: Drill 7-7/8" hole DC: \$24,786	CC: \$52,992
03/10/96	TD: 4,854' (950') Day: 5 Formation: Sand & Shale Present Operation: Drill 7-7/8" hole DC: \$17,100	CC: \$70,092
03/11/86	TD: 5,476' (622') Day 6 Formation: Sand & Shale Present Operation: Drill 7-7/8" hole DC: \$11,196	CC: \$81,288
03/12/96	TD: 5,600' Day: 7 TOH Laying down drill pipe and drill collars. RU loggers. Log. DLL, LDT-CNL-GR. Run 5-1/2" csg. Cement w/600 sks cmt. Plug down at 10:00pm. RD. Csg: Shoe 0.90'; 1jt 45.12'; Float Collar 1.10; 129 jts, 5-1/2" 5,516.09; Landed @ 5,573.21'KB. PBTD 5,526.09'KB. Cmt: Lead 165 sks "super G", Tail 435 sks 50/50 POZ.	CC: \$176,900



**DAILY OPERATING REPORT**

**MONUMENT STATE #13-16-9-17B**

**Location: NW SW Section 16, T9S, R17E**

**Duchesne County, Utah**

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

**Monument Butte Field/Beluga Unit**

03/20/96      Completion  
RU Schlumberger & perf. 4,451' - 72', 11 holes and 4,558' - 63', 4 holes. RD Schlumberger. TIH w/retrieving tool, 2-3/8" x 6' sub, HD pkr, SN, and 151 jts tbg. Retrieve BP. Reset BP at 4,515' KB. EOT at 4,407' KB. Set pkr at 4,395' KB. SWIFD.  
DC: \$1,887      CC: \$215,675

03/21/96      Completion  
RU BJ Services to break down 4,461' - 72'. Break down w/1,764 gals 2% KCL wtr. ATP=2,700psi, ATR=4.6 bpm, ISIP=1,250psi. Used 42 bbls wtr. Reset pump @ 4,615'KB, EOT @ 4,505'KB, pkr @ 449'KB. Break down 4,558' - 63'KB w/1,428 gals 2% KCL wtr. ATP=2,850psi, ATR=4.0 bpm, ISIP=2,100psi. Used 34 bbls wtr. TOOH w/tbg, pkr, & retrieving tool. Frac 4,461' - 72' & 4,558' - 63' w/19,530 gals 2% KCL gelled wtr and 52,180 lbs 16/30 sand. ATP=3,300psi, ATR=31.5 bpm, ISIP=2,200psi, 5 min=1,890psi, 10 min=1,750psi, 15 min=1,600psi, 30 min=1,350psi. Used 465 bbls wtr. Start frac, shut down, swedge leak. Restart frac. End frac. Start forced closure flow back @ 1.5 bpm. Flow back 190 bbls wtr. TIH w/retrieving tool, 2-3/8" x 6' sub, HD pkr, SN & 143 jts tbg. Flowed 20 bbls wtr while tripping. Tag sand @ 4,520'KB, circ down to 4,600'KB, set pkr @ 4,395'KB. Made 12 swab runs. Recovered 76 bbls wtr, trace oil. Oil 2% on last run. Fluid level 1,700' last run. SWIFN.  
DC: \$26,012      CC: \$241,687

03/22/96      Completion  
Fluid level 400'. Made 9 swab runs. Recovered 10 bbls oil, 55 bbls water, good gas. No sand last 4 runs. Oil 50% last run. Release pkr, tag sand @ 4,595'KB. Circulate down to BP @ 4,615'KB. Release BP. TOOH w/tbg and tools. Used 35 bbls water. TIH w/injection string (tbg):

	<u>Length</u>	<u>Depth KB</u>
1 - Arrow Set-1 pkr, 2-3/8" x 5-1/2" (TRICO)	6.20'	4,403.31'
1 - 2-3/8" x 2-7/8" Cross Over	.38'	4,397.11'
1 - SN 2-7/8"	1.10'	4,396.73'
139 - jts 2-7/8" EUE, J-55, 8rd, 6.5#	4,386.63'	4,395.63'
KB	9.00'	

ND BOP, ND SM well head. NU 3M well head. Pump 55 gals Champion Cortron 23-83 pkr fluid. Mixed w/65 bbls water down annulus. Set pkr w/16" tension. Flange up well head. Press test csg to 1,000psi for 1 hour, no loss. SWI. RDMO.  
DC: \$3,470      CC: \$245,157

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF EQUITABLE	:	ACTION
RESOURCES ENERGY COMPANY	:	
FOR ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-170
THE 44-7, 13-8, 24-8, 33-8, 1-8, 11-16,	:	
22-16, <del>13-16</del> , 11-17, POMCO #5,	:	
22-17, 31-17, 42-17, AND 33-17	:	
WELLS LOCATED IN SECTIONS 7, 8,	:	
16 AND 17, TOWNSHIP 9 SOUTH,	:	
RANGE 17 EAST, S.L.M., DUCHESNE	:	
COUNTY, UTAH, AS CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company for administrative approval of the 44-7, 13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 13-16, 11-17, Pomco #5, 22-17, 31-17, 42-17, and 33-17 wells, located in Section 7, 8, 16 and 17, Township 9 South, Range 17 East, SLM, Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 3190 feet to 5596 feet (Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 1856 PSIG with a maximum rate of 500 BWPD.

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. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of April 1996.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
R. J. Firth  
Associate Director, Oil & Gas

**Equitable Resources Energy Company  
44-7, 13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 13-16, 11-17, Pomco #5,  
22-17, 31-17, 42-17, and 33-17 Wells  
Cause No. UIC-170**

Publication Notices were sent to the following:

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, Montana 59102-4126

U.S. Environmental Protection Agency  
Region VIII  
Attn. Dan Jackson  
999 18th Street  
Denver, Colorado 80202-2466



---

Lorraine Platt  
Secretary  
April 2, 1996



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

April 2, 1996

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-170

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Lorraine Platt".

Lorraine Platt  
Secretary

Enclosure





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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

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

April 2, 1996

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-170

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

*Lorraine Platt*

Lorraine Platt  
Secretary

Enclosure



143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation  
The Salt Lake Tribune DESERET NEWS

CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	04/11/96

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL488200561
SCHEDULE	
START 04/11/96 END 04/11/96	
CUST. REF. NO.	
UIC-170	
CAPTION	

COPY

**NOTICE OF AGENCY ACTION**  
CAUSE NO. UIC-170  
BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL OF THE 44-7, 13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 43-16, 11-17, POMCO #5, 22-17, 31-17, 42-17, AND 33-17 WELLS LOCATED IN SECTIONS 7, 8, 16 AND 17, TOWNSHIP 9 SOUTH, RANGE 17 EAST, S.L.M., 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 Equitable Resources Energy Company for administrative approval of the 44-7, 13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 43-16, 11-17, POMCO #5, 22-17, 31-17, 42-17, and 33-17 wells located in Sections 7, 8, 16 and 17, Township 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The interval from 3190 feet to 5596 feet (Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 1856 PSIG with a maximum rate of 500 bwpd.

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. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 2nd day of April, 1996.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
R. J. Firin  
Associate Director, Oil and Gas  
48820050

**NOTICE OF AGENCY ACTION CAUSE N**

SIZE	
47 LINES	2.00 COLUMN
RATE	
	1.64
AD CHARGES	
	154.16
TOTAL COST	
	154.16

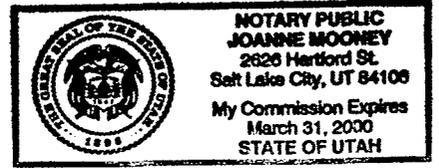
AFFIDAVIT OF PUBLICATION

CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED NOTICE OF AGENCY ACTION CAUSE N FOR OIL & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY OR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS IN ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 04/11/96 END 04/11/96

SIGNATURE *Joanne Mooney*

DATE 04/11/96



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT.

**CONFIDENTIAL**

5. Lease Designation and Serial Number:

State ML-3453-B

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. If Indian, Allottee or Tribe Name:

n/a

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

7. Unit Agreement Name:

Beluga

1. Type of Well: OIL  GAS  OTHER:

8. Well Name and Number:

Monument State #13-16-9-17B

2. Name of Operator: Equitable Resources Energy Company

9. API Well Number:

43-013- 31580

3. Address and Telephone Number:

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

10. Field and Pool, or Wildcat:

Monument Butte/Green River

4. Location of Well

Footages: NW SW Section 16, T9S, R17E

County: Duchesne

QQ, Sec., T., R., M.: 1980' FSL, 660' FWL

State: UTAH

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

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

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

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

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

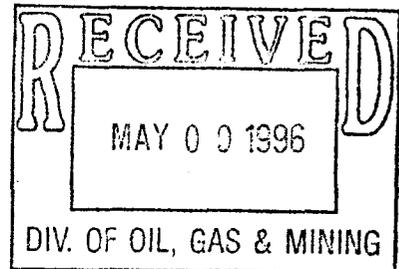
Date of work completion \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

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

this well has been drilled and is shut in while waiting on an injection permit.



ORIGINAL: Utah Division of Oil, Gas and Mining

13. Name & Signature: Bobbie Schuman

Regulatory and Environmental Specialist

Title: \_\_\_\_\_ Date: 5/7/96

(This space for State use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Monument State #13-16-9-17B

API number: 43-013-31580

2. Well Location: QQ NW SW Section 16 Township 9S Range 17E County Duchesne

3. Well operator: Equitable Resources Energy Company

Address: 1601 Lewis Avenue

Billings, MT 59102

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: (304) 472-4610

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

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

6. Formation tops: Please see completion report.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

I hereby certify that this report is true and complete to the best of my knowledge. Date: 5-16-96

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

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT  
DECISION DOCUMENT

**Applicant:** Equitable Resources      **Location:** Belugu Unit

**Wells:** 44-7,13-8,24-8,33-8,1-8,11-16,22-16,13-16,11-17,Pomco#5,22-17,31-17,42-17 and 33-17

**Ownership Issues:** The proposed wells are located in sections 7, 8 and 16, township 9 south, range 17 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Equitable has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

**Well Integrity:** The 14 wells proposed for conversion to injection all have surface casing set at approximately 300 feet  $\pm$  30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 6000 feet, and were all cemented above the injection zone. The 1-8 and 11-16 wells are plugged and abandoned wells. The Pomco # 5 well is an old shut in producer, there are no cement bond logs on these three wells. Equitable has been notified that they must run bond logs on these wells and submit them to the Division prior to conversion. Cement bond logs are on file with the Division and verify reported cement tops on the other proposed injectors. The interval from 3190-5596 feet (Green River Formation) will be selectively perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 25 producing wells 5 plugged and abandoned wells, 5 shut in producers and 3 newly drilled wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. All of the plugged wells have adequate plugs. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

**Ground Water Protection:** The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field averages .87 psi/ft resulting in a maximum allowed surface pressure of 1975 psi. A maximum pressure of 1856 psig was requested and injection pressures for each of the injectors will be

maintained at this pressure. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

**Oil/Gas & Other Mineral Resources Protection:** Equitable Resources is the operator of the Belgu Unit. A unit agreement was previously formed, correlative rights issues were addressed before the Board of Oil, Gas and Mining when the matter was heard.

**Bonding:** Equitable is the operator of all wells within the project and is bonded by the Federal Government.

**Actions Taken and Further Approvals Needed:** These applications are for wells in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice has been published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. Cement bond logs need to be run on the 1-8,11-16 and pomco #5 wells. A casing pressure test needs to be conducted when the well is converted and a casing\tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi and not 500 psi as stated in the permit. Following the 15 day comment period if no objections are received it is recommended to issue an approval to convert the wells and an injection permit. There are no special conditions or stipulations other than running the bond logs on the specified wells and the permit should be granted in accordance with the conditions set forth in the application.

DJJ  
Reviewers

05-21-96  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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 \_\_\_\_\_

**CONFIDENTIAL**

2. NAME OF OPERATOR  
Equitable Resources Energy Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1980' FSL & 660' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-013-31580 DATE ISSUED 1-3-96

15. DATE SPUDDED 3-6-96 16. DATE T.D. REACHED 3-12-96 17. DATE COMPL. (Ready to prod.) n/a 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5309' GL 19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 5600' 21. PLUG, BACK T.D., MD & TVD 5523' 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY ROTARY TOOLS SFC - TD CABLE TOOLS n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* n/a 25. WAS DIRECTIONAL SURVEY MADE N/a

26. TYPE, ELECTRIC AND OTHER LOGS RUN DSN SDL DLL CBL/GR MUD LOG 3-14-96 27. WAS WELL CORED n/a

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	260'	12-1/4"	160 sxs Class "G" w/additives	None
5-1/2"	15.5#	5573.21' KB	7-7/8"	165 sxs Super "G" w/additives 435 sxs 50/50 POZ w/additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
n/a				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	4396.73'	4403.31'

31. PERFORATION RECORD (Interval, size and number)

5276' - 5288' (4 SPF)  
4461' - 4472' (11 holes)  
4558' - 4563' (4 holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
** Please see attachment.	

33.\* PRODUCTION

DATE FIRST PRODUCTION n/a PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) \_\_\_\_\_ WELL STATUS (Producing or shut-in) SIWO Injection

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

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

**RECEIVED**  
MAY 20 1996  
DIV. OF OIL, GAS & MINING

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
32. Acid, Shot, Fracture, Cement Squeeze, ETC.

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

SIGNED Molly Conrad TITLE Operations Secretary DATE 5-16-96

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	Green River Horsebench SS 2nd Garden Gulch Yellow Marker Douglas Creeek 2nd Douglas Creek Green Marker Black Shale Facies Carbonate Marker	1313' 2006' 3609' 4219' 4379' 4615' 4747' 4991' 5229'	1313' 2006' 3609' 4219' 4379' 4615' 4747' 4991' 5229'

Attachment to Completion Report  
Monument State #13-16-9-17B  
NW SW Section 16, T9S, R17E  
Duchesne County, Utah  
Beluga Unit

---

<u>Interval</u>	<u>Material Used</u>
5276' - 5288'	Break down with 2,268' gallons 2% KCL water. Frac with 14,880# 20/40 mesh sand and 24,380# 16/30 mesh sand with 15,120 gallons 2% KCL gelled water.
4461' - 4472'	Break down with 1,764 gallons 2% KCL water.
4558' - 4563'	Break down with 1,428 gallons 2% KCL water.
4461' - 4563'	Frac with 52,180# 16/30 mesh sand with 19,530 gallons 2% KCL gelled water.

/mc

5-16-96



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

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

May 21, 1996

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Re: Application for Injection Wells  
Sections 7, 8, 16 and 17  
Township 9 South, Range 17 East  
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 following listed wells to Class II injection wells:

Monument State 22-16-9-17B  
Monument State 13-16-9-17B  
Monument State 33-17-9-17B  
Balcron Monument Federal 42-17  
Balcron Monument Federal 31-17  
Balcron Monument Federal 22-17  
Pomco 5  
Paiute Federal 11-7  
State NGC 11-16  
Monument Butte Federal 1-8  
Balcron Monument Federal 33-8  
Paiute Federal 24-8  
Balcron Monument Federal 13-8  
Mocon Federal 44-7

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.



Equitable Resources Energy Company  
May 21, 1996  
Page 2

2. Conformance with all conditions and requirements of the complete application submitted by Equitable Resources Energy Company.
3. Cement bond logs shall be run on the Monument Butte Federal 1-8, State NGC 11-16 and Pomco # 5 wells prior to conversion. Copies of the bond logs shall be submitted to the Division for review to determine if remedial cement work is necessary.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,



R.J. Firth  
Associate Director

cc: Chuck Williams, Environmental Protection Agency  
Bureau of Land Management, vernal

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.

State ML-3453-B

6. If Indian, Allottee or Tribe Name

n/a

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

Beluga Unit

8. Well Name and No.

Monument State #13-16-9-17B

9. API Well No.

43-013-31580

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

1. Type of Well

Oil Well  Gas Well  Other Injection Well

2. Name of Operator

Equitabl Resources Energy Company

3. Address and Telephone No.

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

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

NW SW Section 16, T9S, R17E  
1980' FSL & 660' FWL

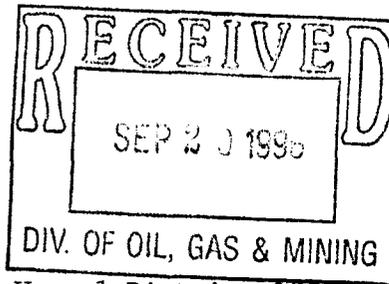
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

Attached is the Site Security Diagram for this well which is an injection well.



Original: Bureau of Land Management, Vernal District Office

Copy to: State of Utah, Division of Oil, Gas, & Mining

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

Signed Molly Conrad

Title Operations Secretary

Date 9-18-96

(This space for Federal or State office use)

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

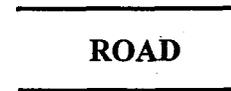
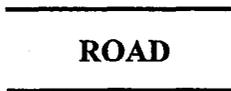
Title \_\_\_\_\_

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 statement or representations as to any matter within its jurisdiction.

**EQUITABLE RESOURCES ENERGY COMPANY  
MONUMENT STATE #13-16-9-17B  
INJECTION FACILITY DIAGRAM**

**MONUMENT STATE #13-16-9-17B  
NW SW SEC. 16, T9S, R17E  
DUCHESNE COUNTY, UTAH  
LEASE #ML-3453-B**



PLAN LOCATED AT:

**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

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

JULY 18, 1996

DIAGRAM NOT TO SCALE

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 deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

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

5. Lease Designation and Serial No.  
**State MA -3453 B**  
6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
Beluga Unit

8. Well Name and No.  
**Mon. State #13-16-9-17B**

9. API Well No.  
**43-013-31580**

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

11. County or Parish, State  
**Duchesne Co. Utah**

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other **WIW**

2. Name of Operator  
**Equitable Resources Energy Company**

3. Address and Telephone No.  
**1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NW SW 16-T9S-R17E**  
**1980' FSL, 660' FWL**

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

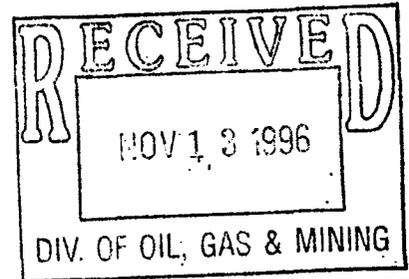
TYPE OF ACTION

- Abandonment
  - Recompletion
  - Plugging Back
  - Casing Repair
  - Altering Casing
  - Other **request for approval to inject**
  - 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.)\*

This well has been converted to a water injection well in accordance with the attached wellbore diagram and EPA Well Rework form. Water injection will commence when final approval has been received from the EPA, BLM, and Utah DOGM. This sundry notice is to request that approval to inject.

ORIGINAL: Bureau of Land Management (Vernal, UT) (Attention: Wayne Bankert)  
COPY: Utah Division of Oil, Gas and Mining (Attention: Dan Jarvis)  
COPY: U.S. EPA (Attention: Chuck Williams)



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

Signed *Bobbie Schuman*  
**Bobbie Schuman**  
(This space for Federal or State office use)

Title **Regulatory and Environmental Specialist**

Date **November 12, 1996**

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

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

\*See Instruction on Reverse Side

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



**WELL REWORK RECORD**

NAME AND ADDRESS OF PERMITTEE  
*Equitable Resources Energy Company  
Western Region  
1601 Lewis Avenue  
Billings, MT 59102*

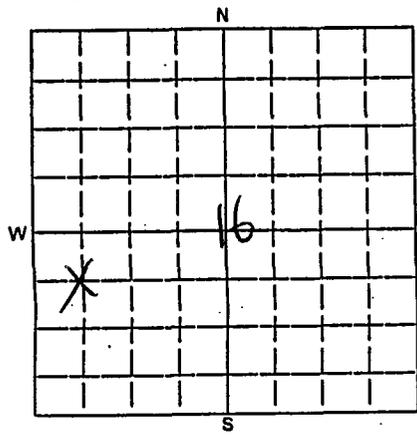
NAME AND ADDRESS OF CONTRACTOR  
*Basin Well Service  
Box 2876  
Roosevelt, Utah 84066*

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

STATE *Utah* COUNTY *Duchesne County* PERMIT NUMBER *ML-3453-B*

SURFACE LOCATION DESCRIPTION  
*NW 1/4 OF SW 1/4 OF 1/4 SECTION 16 TOWNSHIP 9S RANGE 17E*

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT  
Surface Location *190* ft. from (N/S) *S* Line of quarter section  
and *660* ft. from (E/W) *W* Line of quarter section  
*UT# 2798-043010*



WELL ACTIVITY <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage  Lease Name <i>Beluga Unit</i>	Total Depth Before Rework <i>Completion</i>	TYPE OF PERMIT <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells _____  Well Number <i>Monument state #13-16-9-17B</i>
	Total Depth After Rework <i>5600' KB</i>	
	Date Rework Commenced <i>3/14/96</i>	
	Date Rework Completed <i>3/22/96</i>	

**WELL CASING RECORD — BEFORE REWORK**

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
<i>See Attached</i>						

**WELL CASING RECORD — AFTER REWORK (Indicate Additions and Changes Only)**

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
<i>See Attached</i>						

DESCRIBE REWORK OPERATIONS IN DETAIL  
USE ADDITIONAL SHEETS IF NECESSARY

**WIRE LINE LOGS, LIST EACH TYPE**

Log Types	Logged Intervals
<i>Compensated Neutron</i>	<i>TD to Surface</i>
<i>Litho Density, CBL/GR</i>	
<i>Dual Laterolog w/</i>	
<i>Linear Correlation.</i>	

*Complete ZONES as indicated on attached sheets. Set Arrow Set-1 packer @ 4397' KB. Load casing annulus w/ 55 gal Champion Cortron OKR fluid mixed w/ 65 BBI 2% KCL water.*

**CERTIFICATION**

*I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).*

NAME AND OFFICIAL TITLE (Please type or print)

SIGNATURE

DATE SIGNED

*Senior Prod. Engr.*

*11-11-96*



# EQUITABLE RESOURCES ENERGY COMPANY

WELL NAME: Monument State 13-16-9-17B  
 FIELD: Monument Butte  
 STATE LEASE NO.: ML-3453-B  
 LOCATION: NW SW Sec. 16, T9S, R17E  
 FOOTAGE: 1980' FSL & 660' FWL  
 COUNTY/STATE: Duchesne County, Utah  
 WORKING INTEREST: 0.91491728  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 3/18/1996  
 INITIAL PRODUCTION:  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: Waiting on Equipment  
 ELEVATIONS - GROUND: 5309' GL  
 TOTAL DEPTH: 5600' KB

DATE: 10/28/96 DZ

API NO.: 43-013-31580

NET REVENUE INTEREST: 0.80471769 Oil  
 0.7310824 Gas

SPUD DATE: 3/5/96  
 OIL GRAVITY:  
 BHT:

KB: 5319' KB (10' KB)  
 PLUG BACK TD: 5523' KB

## SURFACE CASING

STRING: 1  
 CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 250'  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs "G" + 2% CaCl +  
 1/4#/sx celloseal

## TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#  
 NO. OF JOINTS: 139 Jts (4386.63')  
 SEATING NIPPLE: 2-7/8"x1.10'  
 ARROW SET 1 PACKER: 2-3/8"x5-1/2"x6.20'  
 PACKER LANDED AT: 4397' KB  
 PKR Set W/ 16" Tneslon

LOGS: Compensated Neutron Litho  
 Density Log; CBL/GR/Collar log;  
 Dual Laterlog w/ Linear Correlation.

## PRODUCTION CASING

STRING: 1  
 CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 5563.21'  
 DEPTH LANDED: 5573.21' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: Lead - 165 sxs super "G" -  
 47#/sx + 3#/sx poz + 34#/sx  
 BA-91 + 3% salt + 2% gel +  
 2#/sx HiSeal2 + 1/4#/sx  
 cello seal. Tail - 435 sxs  
 50/50 poz + 2% gel +  
 1/4#/sx cello seal + 2#/sx  
 HiSeal2.

CEMENT TOP AT: 1550' KB

## PERFORATION RECORD

3-20-96	Schlumberger	4461' - 4472' 11 Holes R2 4558' - 4563' 4 Holes R5
3-15-96	Schlumberger	5276' - 5288' 4 SPF B1

## ACID JOB / BREAKDOWN JOB

3-18-96	BJ Services	5276' - 5288': 2268 gal 2% KCL wtr w/96 ball sealers, surge balls off. ATR=4.7 bpm, ATP=2800, ISIP=1300.
3/21/96	4558'-4563'	BJ Services: 1428 gal 2% KCL water w/ 8 ball sealers. Ball action but no ball off. ATP= 2850 psi, ATR= 4.0 bpm, ISIP= 2100 psi.
3/21/96	4461'-4472'	BJ Services: 1764 gal 2% KCL water w/ 22 ball sealers. Balled off. ATP= 2700 psi, ATR= 4.6 bpm, ISIP= 1250 psi.

## FRAC JOB

3-18-96	BJ Services	5276' - 5288': 15,120 gal 2% KCL wtr w/14,880 lbs 20/40 & 24,380 lbs 16/30. Flush w/5208 gal 2% KCL wtr. ATR=31 bpm, ATP=2000, ISIP=1900, 5 min- 1790, 10 min-1580, 15 min- 1470, 30 min-1360.
3/21/96	4461'-4472' 4558'-4563'	BJ Services: 19,530 gal 2% KCL water w/ 52,180# 16/30 sand. ATP= 3300 psi, ATR=31.5 bpm, ISIP= 2200 psi, 5 min= 1890 psi, 10 min= 1750 psi, 15 min= 1600 psi, 30 min= 1350 psi.



**EQUITABLE RESOURCES  
ENERGY COMPANY**

Monument State 13-16-9-17B  
NW 1/4 Sec. 16, T9S, R17E  
1980' FSL & 660' FWL  
Lease No. ML-3453-B  
Monument Butte  
Duchesne County, Utah

Elev.GR -5309' GL  
Elev.KB - 5319' KB (10' KB)

**WELLBORE DIAGRAM**

DATE : 3/21/1996 lac

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 250'  
DEPTH LANDED: 260' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs

PRODUCTION CASING

260' KB

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 5563.21'  
DEPTH LANDED: 5573.21' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: Lead - 165 sxs super "G" -  
47#/sx + 3#/sx poz + 34#/sx  
BA-91 + 3% salt + 2% gel +  
2#/sx HiSeal2 + 1/4#/sx  
cello seal. Tail - 435 sxs  
50/50 poz + 2% gel +  
1/4#/sx cello seal + 2#/sx  
HiSeal2.

CEMENT TOP AT: 1550' KB

TUBING

SIZE/GRADE/WT.:  
NO. OF JOINTS:  
TUBING ANCHOR:  
NO. OF JOINTS:  
SEATING NIPPLE:  
PERFORATED SUB:  
MUD ANCHOR:  
STRING LENGTH:  
SN LANDED AT:

SUCKER RODS

POLISHED ROD:  
SUCKER RODS:

STRING LENGTH:

PUMP SIZE:

PUMP NUMBER:  
STROKE LENGTH:  
PUMP SPEED, SPM:  
PUMPING UNIT:  
PRIME MOVER:

ACID JOB /BREAKDOWN

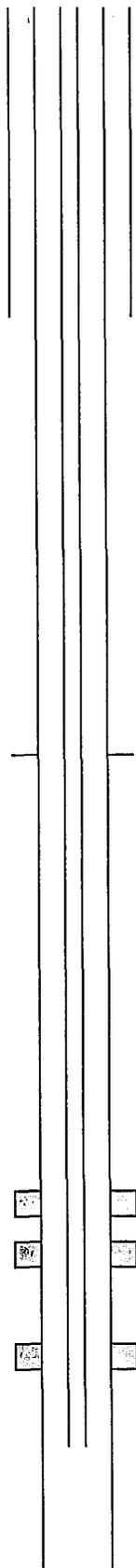
3-18-96 BJ Services 5276' - 5288': 2268 gal 2%  
KCL wtr w/96 ball sealers,  
surge balls off. ATR-4.7 bpm,  
ATP-2800, ISIP-1300.

FRAC JOB

3-18-96 BJ Services 5276' - 5288': 15,120 gal 2%  
KCL wtr w/14,880 lbs 20/40 &  
24,380 lbs 16/30. Flush w/5208  
gal 2% KCL wtr. ATR-31 bpm,  
ATP-2000, ISIP-1900, 5 min-  
1790, 10 min-1580, 15 min-  
1470, 30 min-1360.

PERFORATION RECORD

3-20-96 Schlumberger 4461' - 4472' 11 Holes R2  
4558' - 4563' 4 Holes R5  
3-15-96 Schlumberger 5276' - 5288' 4 SPF B1



TOC @ 1550' KB

SN LANDED @ ' KB  
EOT LANDED @ ' KB

PBD @ 5523' KB  
TD @ 5600' KB



Monument State 13-16-9-17B  
 NW SW Sec. 16, T9S, R17E  
 1980' FSL & 660' FWL  
 Lease No. ML-3453-B  
 Monument Butte Field (Belug  
 Duchesne County, Utah

Elev.GR -5309' GL  
 Elev.KB - 5319' KB (10' KB)

**Injection Wellbore Diagram**

DATE: 10/28/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 250'  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs

260' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
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 CEMENT DATA: Lead - 165 sxs super "G" -  
 47#/sx + 3#/sx poz + 34#/sx  
 BA-91 + 3% salt + 2% gel +  
 2#/sx HiSeal2 + 1/4#/sx  
 cello seal. Tail - 435 sxs  
 50/50 poz + 2% gel +  
 1/4#/sx cello seal + 2#/sx  
 HiSeal2.

CEMENT TOP AT: 1550' KB

Uinta Formation Surface to 1450 ft.

TOC @ 1550' KB

PERFORATION RECORD

3-20-96 Schlumberger

3-15-96 Schlumberger

Green River Formation 1450 to 5400 ft.

Arrow Set-1 Packer  
 Set @ 4397' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" IJ-55 / 6.5#  
 NO. OF JOINTS: 139 Jts (4386.63')  
 SEATING NIPPLE: 2-7/8"x1.10'  
 ARROW SET 1 PACKER: 2-3/8"x5-1/2"x6.20'  
 PACKER LANDED AT: 4397' KB  
 PKR Set W/ 16" Tnesion

PACKER FLUID: Champion Cortron 2383 PKR fluid  
 mixed w/ 62 bbls 2% KCL water.  
 3/17/96

4461' - 4472'

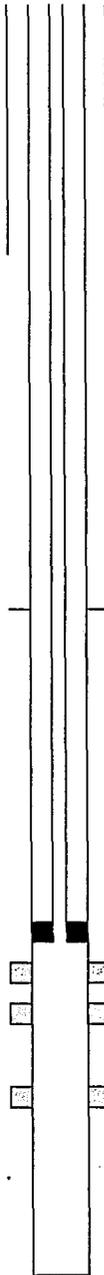
4458' - 4563'

5276' - 5288'

Douglas Creek Member 4550 to 5400 ft.  
 Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5523' KB  
 TD @ 5600' KB

Wasatch Formation 5950 ft.





# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

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

November 20, 1996

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, Montana 59102

Re: Administrative Approval for Conversion of Wells to Class II Injection Wells, 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 wells to Class II injection wells:

Monument State 22-16-9-17B  
Monument State 33-17-9-17B  
Balcron Monument Federal 31-17  
Pomco 5  
State NGC 11-16  
Balcron Monument Federal 33-8  
Balcron Monument Federal 13-8

Monument State 13-16-9-17B  
Balcron Monument Federal 42-17  
Balcron Monument Federal 22-17  
Paiute Federal 11-7  
Monument Butte Federal 1-8  
Paiute Federal 24-8  
Mocon Federal 44-7

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 Equitable Resources Energy Company.



Page 2  
Equitable Resources Energy Company  
November 20, 1996

Enclosed with this letter is the Underground Injection Control Permit for this well. If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', written over a faint, larger signature.

R. J. Firth  
Associate Director

lwp  
cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal



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

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

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-170

Operator: Equitable Resources Energy Company

Wells: Monument State 22-16-9-17B  
Monument State 13-16-9-17B  
Monument State 33-17-9-17B  
Balcron Monument Federal 42-17  
Balcron Monument Federal 31-17  
Balcron Monument Federal 22-17  
Pomco 5  
Paiute Federal 11-7  
State NGC 11-16  
Monument Butte Federal 1-8  
Balcron Monument Federal 33-8  
Paiute Federal 24-8  
Balcron Monument Federal 13-8  
Mocon Federal 44-7

Location: Sections 7,8,16 and 17, Township 9 South, Range 17  
East,  
County: Duchesne

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on  
May 21, 1996



2. Maximum Allowable Injection Pressure: 1856 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 3190 feet to 5596 feet (Green River Formation)

---

Approved by:

  
\_\_\_\_\_  
R.J. Firth  
Associate Director, Oil and Gas

11/20/96  
\_\_\_\_\_  
Date

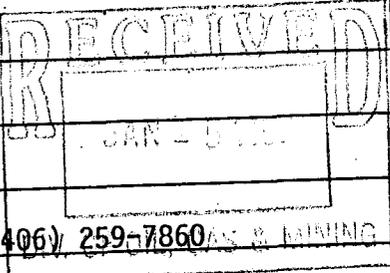
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE



1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Equitable Resources Energy Company

3. Address and Telephone No.  
1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

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

5. Lease Designation and Serial No.  
See attached list

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

7. If Unit or CA, Agreement Designation  
Beluga Unit

8. Well Name and No.  
See attached list

9. API Well No.  
See attached list

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

11. County or Parish, State  
Duchesne County, UTAH

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

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

The Monument State #13-16-9-17B has been converted to water injection for secondary recovery of remaining oil reserves. The well was treated with 5 gallons of claymaster and 10 gallons of 940 surfactant mixed with 75 barrels of 25 KCl water at a temperature of approximately 160°F to clear the wellbore and formation of residual oil. The well was then placed on injection at a rate of approximately 130 STBWPD.

Water injection commenced on December 3, 1996.

ORIGINAL: Bureau of Land Management (Vernal, UT)  
COPY: Utah Division of Oil, Gas and Mining  
COPY: U.S. Environmental Protection Agency (UIC Section)

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

Signed

Robbie Schuman  
Robbie Schuman  
(This space for Federal or State office use)

Title

Regulatory and  
Environmental Specialist

Date

January 13, 1997

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

Federal  
Status Formation Lease #

Field										APT #	Footages	UNIT	
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Beluga *
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Beluga
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Beluga
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Beluga
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Beluga
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Beluga
Monument Federal #23-17-9-17B	Monument Butte	NE SW	17	9S	17E	Duchesne	UT	OIL	Green River	UTU-74108		2217' FSL, 2187' FWL	Beluga
Mocon Federal #44-7	Monument Butte	SE SE	7	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-30666	670' FSL, 663' FEL	Beluga
Monument Federal #33-17-9-17B	Monument Butte	NW SE	17	9S	17E	Duchesne	UT	COMPL	Green River	U-72106		1926' FSL, 2000' FEL	Beluga
Monument Federal #44-8-17B	Monument Butte	SE SE	8	9S	17E	Duchesne	UT	PND	Green River	U-74398	43-013-30643	602' FSL, 598' FEL	Beluga
Monument State #11-16-9-17B (Re-entry)	Monument Butte	NW NW	16	9S	17E	Duchesne	UT	DRLG	Green River	State ML-21844	43-013-30616	660' FNL, 659' FWL	Beluga
Monument State #13-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	SI	Green River	State ML-3453-B	43-013-31580	1980' FSL, 660' FWL	Beluga
Monument State #22-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	SI	Green River	State ML-3453-B	43-013-31579	1824' FNL, 1981' FWL	Beluga
Paiute Federal #11-17	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	SI	Green River	U-3563-A	43-047-30516	661' FNL, 664' FWL	Beluga
Paiute Federal #24-8	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675	660' FSL, 1980' FWL	Beluga
POMCO #5	Monument Butte	NW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30499	1980' FSL, 660' FWL	Beluga

1-10-97/20

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31384	22-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31492	11-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-047-20252	E. RED WASH	08S	25E	5	INJW	N
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	Y
EQUITABLE RE	43-047-32346	42-6X	08S	25E	6	INJW	N
EQUITABLE RE	43-047-20245	AMERADA GUIN	08S	25E	7	INJW	Y
EQUITABLE RE	<del>43-013-30666</del>	44-7	09S	17E	7	INJW	Y 11880
EQUITABLE RE	<del>43-013-31382</del>	13-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	<del>43-013-31427</del>	33-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	<del>43-013-30675</del>	24-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	<del>43-013-30643</del>	44-8-17B	09S	17E	8	INJW	Y 1523
EQUITABLE RE	<del>43-013-31580</del>	13-16-9-17B	09S	17E	16	INJW	Y 11880
EQUITABLE RE	<del>43-013-30616</del>	11-16-9-17B	09S	17E	16	INJW	Y 6130
EQUITABLE RE	43-013-31145	22-16-9-17B	09S	17E	16	INJW	Y 11880
<del>EQUITABLE RE</del>	<del>43-013-30518</del>	<del>11-17</del>	<del>09S</del>	<del>17E</del>	<del>17</del>	<del>INJW</del>	<del>Y</del>
EQUITABLE RE	43-013-30499	POMCO 5	09S	17E	17	INJW	Y 11880
EQUITABLE RE	<del>43-013-30516</del>	11-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31428	31-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31581	33-17-9-17B	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31429	22-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	<del>43-013-31467</del>	42-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-047-32610	22-2	09S	17E	2	INJW	Y
EQUITABLE RE	43-013-31425	14-2	09S	17E	2	INJW	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRACKEN PT	40S	23E	19	INJI	N
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-31559	15-25	08S	16E	25	INJW	N
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30808	FED 1-34	08S	16E	34	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31514	1A-35	08S	16E	35	INJW	Y
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N

RECEIVED

OCT 10 1997



October 7, 1997

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



RE: Change of Operator  
Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

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

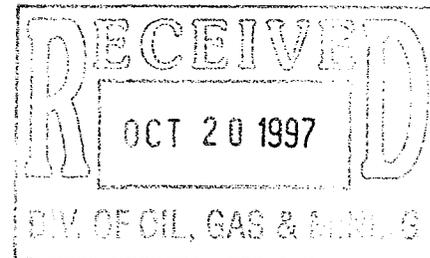
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

*Patsy Barreau*  
Patsy Barreau

/pb  
encls.



DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

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

4. Location of Well

Footages: See Attached Exhibit

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

County:

State:

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

NOTICE OF INTENT (Submit in Duplicate)

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

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

SUBSEQUENT REPORT (Submit Original Form Only)

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

Date of work completion 9-30-97

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

\* Must be accompanied by a cement verification report.

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

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

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

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

OCT 10 1997

13.

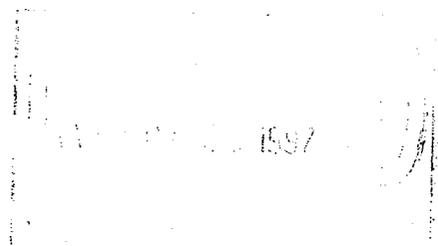
Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)



INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
BALCRON FEDERAL #22-20Y	SE NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32711-00	UTU64917	
BALCRON FEDERAL #41-19Y	NENE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32504-00	UTU65635	
MONUMENT FEDERAL #43-19Y	NE SE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32730-00	UTU65635	
MONUMENT FEDERAL #14-21Y	SW SW 219S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32726-00	UTU68105	
ANDERSON STATE #1-16	SW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-15582-00		UTU75023X
D. DUNCAN STATE #16-5	SWNW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30570-00		UTU75023X
DMD FEDERAL #17-1	NE SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30689-00		UTU75023X
FEDERAL #1-18	NWNE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30332-00		UTU75023X
MAXUS FEDERAL #23-8	NESW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31196-00		UTU75023X
MONUMENT BUTTE FED. #12-17	SWNW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31431-00		UTU75023X
MONUMENT BUTTE FED. #14-8	SWSW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31398-00		UTU75023X
MONUMENT BUTTE FED. #21-17	NENW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31387-00		UTU75023X
MONUMENT BUTTE FED. #32-17	SWNE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31465-00		UTU75023X
MONUMENT BUTTE FED. #41-17	NENE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31466-00		UTU75023X
MONUMENT BUTTE FED. #43-7	NESE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31432-00		UTU75023X
MONUMENT FEDERAL #23-17B	NE SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31582-00	UTU74108	UTU75023X
MONUMENT STATE #23-16B	NE SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31578-00		UTU75023X
PAIUTE FEDERAL #34-8	SWSE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30778-00		UTU75023X
PAIUTE FEDERAL #43-8	NESE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30777-00		UTU75023X
POMCO #2	NWSE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30505-00		UTU75023X
POMCO #4	NWSW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30506-00		UTU75023X
SUE MORRIS #16-3	NENW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30562-00		UTU75023X
MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844 Beluga	UTU75023X
MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31579-00	31145	UTU75023X
MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
BALCRON FEDERAL #12-10Y	SW NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31536-00	UTU65210	
BALCRON FEDERAL #21-10Y	NE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31537-00	UTU65210	
BALCRON FEDERAL #22-10Y	SE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31395-00	UTU65210	

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OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

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OCT 13 1997

Well name and number: See Attached **BELUGA (GREEN RIVER) UNIT**  
Field or Unit name: See Attached API no. See Attached  
Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached  
Effective Date of Transfer: September 30, 1997

**CURRENT OPERATOR**  
Transfer approved by:  
Name David M. McCoskery Company Equitable Resources Energy Co.  
Signature [Signature] Address 1601 Lewis Avenue  
Title Director of Operations & Engineering Billings, MT 59102  
Date 9-30-97 Phone ( 406 ) 259-7860  
Comments:

**NEW OPERATOR**  
Transfer approved by:  
Name Chris A Potter Company Inland Production Company  
Signature [Signature] Address 475 - 17th Street, Suite 1500  
Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202  
Date 9-30-97 Phone ( 303 ) 292-0900  
Comments:

(State use only)  
Transfer approved by [Signature] Title Manager  
Approval Date 3-19-98

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OCT 26 1997  
DIV. OF OIL, GAS & MINING

Injection wells

✓ MONUMENT BUTTE STATE #14-2	SW SW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31425-00	UTU45555	
✓ MONUMENT BUTTE STATE #22-2	SE NW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32610-00	UTU45555	
✓ MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
✓ MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
✓ MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
✓ MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
✓ MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
✓ MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844	UTU75023X
✓ MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31579-00	31145 ml 3453B	UTU75023X
✓ MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
✓ MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
✓ MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
✓ MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
✓ PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
✓ PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
✓ POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
✓ PARIETTE BENCH #4 (SWD)	SWSE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15681-00	UTU017992	8910069630



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

**(406) 259-7860 Telephone**

**(406) 245-1361 Fax**

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



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

TO: *Lisha*  
*St of Utah.*

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

Pages Attached - Including Cover Sheet *2.*

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-931

March 2, 1998

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

Re: Beluga (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On February 26, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Beluga (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective March 2, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Beluga (Green River) Unit Agreement.

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

UT931:TAThompson:tt:3/2/98

Well Status Report  
Utah State Office  
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU75023X								
STATE	4301315582	1-16 SHELL-STATE	SWSW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330332	1-18 FEDERAL	NWNE	18	T 9S	R17E	TA	EQUITABLE RESOURCES ENERGY CO
STATE	4301330616	11-16 STATE-NGC	NWNW	16	T 9S	R17E	ABD (wiw)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330516	11-17 PIUTE-FEDERAL	NWNW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331431	12-17	SWNW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331580	13-16-9-17B	NWSW	16	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331382	13-8 MONUMENT FED	NWSW	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331398	14-8 MONUMENT FED	SWSW	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330562	16-3 MORRIS SUE	NENW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330570	16-5 DUNCAN-STATE	SWNW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU44430	4301330689	17-1 FEDERAL-DMD	NESE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330505	2 POMCO	NWSE	18	T 9S	R17E	TA	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331387	21-17 MONUMENT FED	NENW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331145	22-16-9-17B	SENW	16	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331429	22-17 MONUMENT FED	SENW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331578	23-16-9-17B	NESW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331582	23-179-17B	NESW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331196	23-8 MAXUS-FEDERAL	NESW	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330675	24-8 PIUTE-FEDERAL	SESW	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331428	31-17 MONUMENT BUTTE	NWNE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331465	32-17	SWNE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331581	33-17-9-17B	NWSE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331427	33-8 MONUMENT FED	NWSE	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330778	34-8 PAIUTE	SWSE	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330506	4 POMCO	SWSW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331466	41-17	NENE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331399	41-18 BALCRON FED	NENE	18	T 9S	R17E	ABD (PA)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331467	42-17	SENE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331432	43-7 MONUMENT BUTTE	NESE	7	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330777	43-8 PAIUTE	NESE	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330666	44-7 MOCOW-FEDERAL	SESE	7	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74398	4301330643	44-8-9-17	SESE	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330499	5 POMCO	NWSW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO

11250



# DOGM SPEED LETTER

To: Ed Bonner

From: Lisha Cordova

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE

**COPY**

Date 03/11 19 98

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by your agency ASAP.

**Former Operator:** Equitable Resources Energy

**New Operator:** Inland Production Company

Well(s):	API:	Entity:	S-T-R:	Lease:
A. Anderson State 1-16	43-013-15582	11880	16-09S-17E	ML-46694
Sue Morris 16-3	43-013-30562	11880	16-09S-17E	ML-3453B
D. Duncan St 16-5	43-013-30570	11880	16-09S-17E	ML-3453B
Monument St 23-16-9-17B	43-013-31578	11880	16-09S-17E	ML-3453B
Monument St 13-16-9-17B	43-013-31580	11880	16-09S-17E	ML-3453B
Monument St 11-16-9-17B	43-013-30616	06130	16-09S-17E	ML-21844
Monument St 22-16-9-17B	43-013-31145	11880	16-09S-17E	ML-3453B

cc: Operator File

Signed Lisha Cordova

REPLY

Date \_\_\_\_\_ 19 \_\_\_\_

Signed \_\_\_\_\_

**OPERATOR CHANGE WORKSHEET**

1-LTC ✓	6-LTC ✓
2-GLH ✓	7-KAS ✓
3-FTS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

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

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

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

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

WELL(S) attach additional page if needed:

**\*BELUGA (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31580</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 3-10-97)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-20-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (3-11-98) \*Quattro Pro s. DBASE (wic) 3-11-98.
- lec 6. **Cardex** file has been updated for each well listed above. (3-11-98)
- lec 7. Well **file labels** have been updated for each well listed above. (3-11-98)
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (3-11-98)
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

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

**BOND VERIFICATION - (FEE WELLS ONLY)** Trust Lands - 80,000 Surety "Hartford Acc. & Indemnity Co."

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

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- Y lec 1. Copies of documents have been sent on 3-11-98 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A lec 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_, of their responsibility to notify all interest owners of this change.

**FILMING**

- Y 1. All attachments to this form have been **microfilmed**. Today's date: 4.14.98.

**FILING**

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

**COMMENTS**

980311 Blm/SL Apr. 3-2-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



March 9, 2000

**RECEIVED**

MAR 13 2000

**DIVISION OF  
OIL, GAS AND MINING**

State of Utah  
Division of Oil, Gas & Mining  
Attn: Dan Jarvis  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Step-Rate Test  
Monument State # 13-16B

Dear Dan:

Please find enclosed Step-Rate Tests (SRT) results on the Monument State # 13-16B injection well in the Beluga Unit. Inland Production Company conducted the SRT on March 9, 2000. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure from 1855 psi to 1922 psi for this well.

Thank you for your assistance. If you have any questions or need further information, please call me at (435) 646-3721.

Sincerely,

Brad Mecham  
Operations Manager

/bm

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

5. LEASE DESIGNATION AND SERIAL NO.  
**ML-3453-B**

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**BELUGA**

8. FARM OR LEASE NAME  
**MONUMENT STATE 13-16-9-17B**

9. WELL NO.  
**State # 13-16B**

10. FIELD AND POOL, OR WILDCAT  
**MONUMENT BUTTE**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**NW/SW Section 16, T09S R17E**

12. COUNTY OR PARISH  
**DUCHESNE**

13. STATE  
**UT**

14. API NUMBER  
**43-013-31580**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5309 GR**

**1. SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)

OIL WELL  GAS WELL  OTHER  INJECTION

2. NAME OF OPERATOR  
**INLAND PRODUCTION COMPANY**

3. ADDRESS OF OPERATOR  
**ROUTE #3 BOX 3630, MYTON, UTAH 84052  
(435) 646-3721**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**NW/SW 1980 FSL 0660 FWL**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF  PULL OR ALTER CASING

FRACTURE TREAT  MULTIPLE COMPLETE

SHOOT OR ACIDIZE  ABANDON\*

REPAIR WELL

(OTHER)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF  REPAIRING WELL

FRACTURE TREATMENT  ALTERING CASING

SHOOTING OR ACIDIZING  ABANDONMENT\*

(OTHER) Step-Rate test

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

17 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.)\*

On March 9, 2000 Inland Production Company conducted a Step-Rate Test (SRT) on the Monument State # 13-16B injection well in the Beluga Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection Pressure from 1855 psi to 1922 psi on this well.

**RECEIVED**

MAR 13 2000

DIVISION OF OIL, GAS AND MINING

**COPY SENT TO OPERATOR**  
Date: 3-16-00  
Initials: CHD

18 I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Operations Manager DATE 3/9/00

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

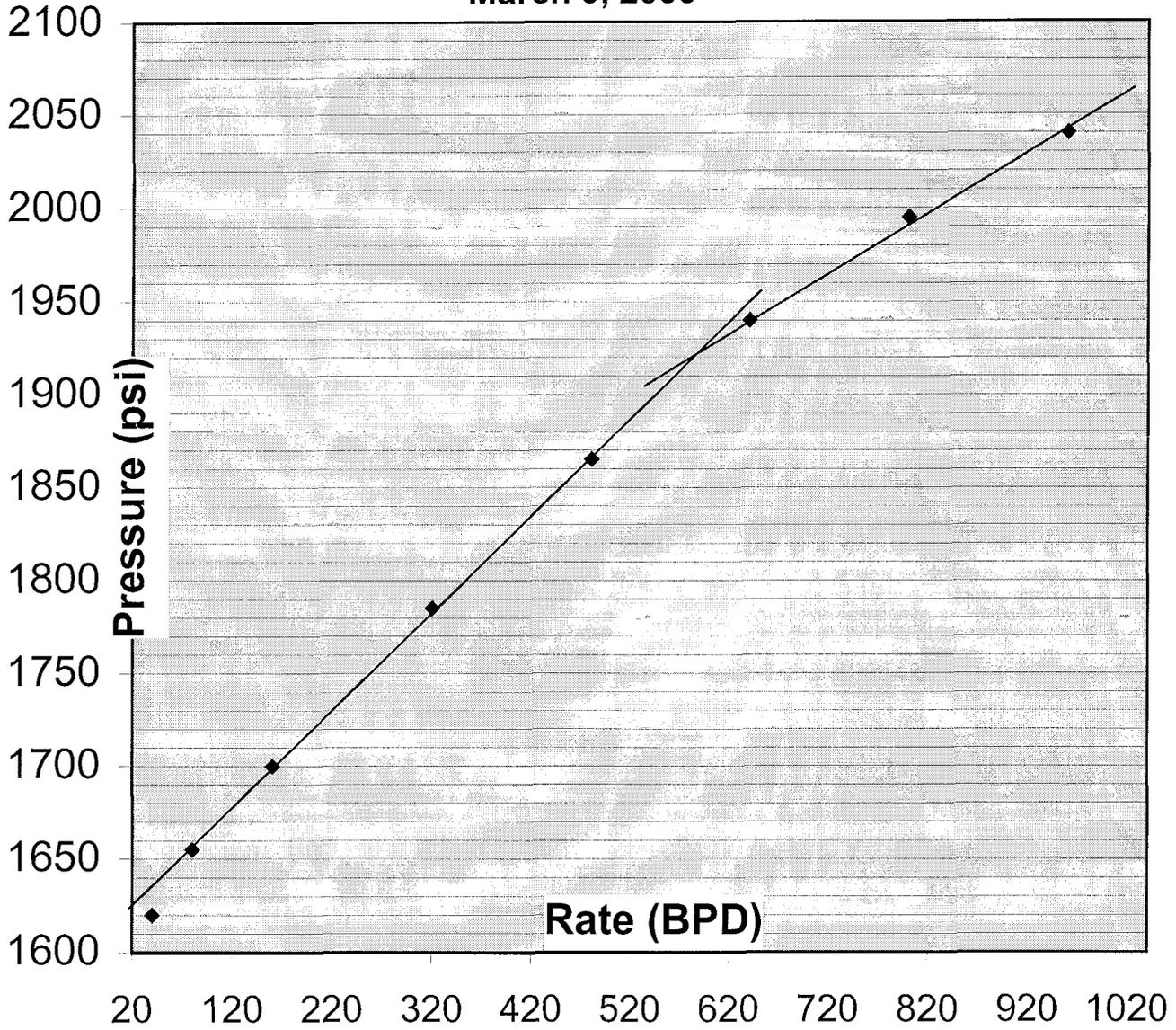
(This space for Federal or State office use)

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

Date: 3/14/00  
By: [Signature]

Mon State #13-16B

Beluga Unit  
Step Rate Test  
March 9, 2000

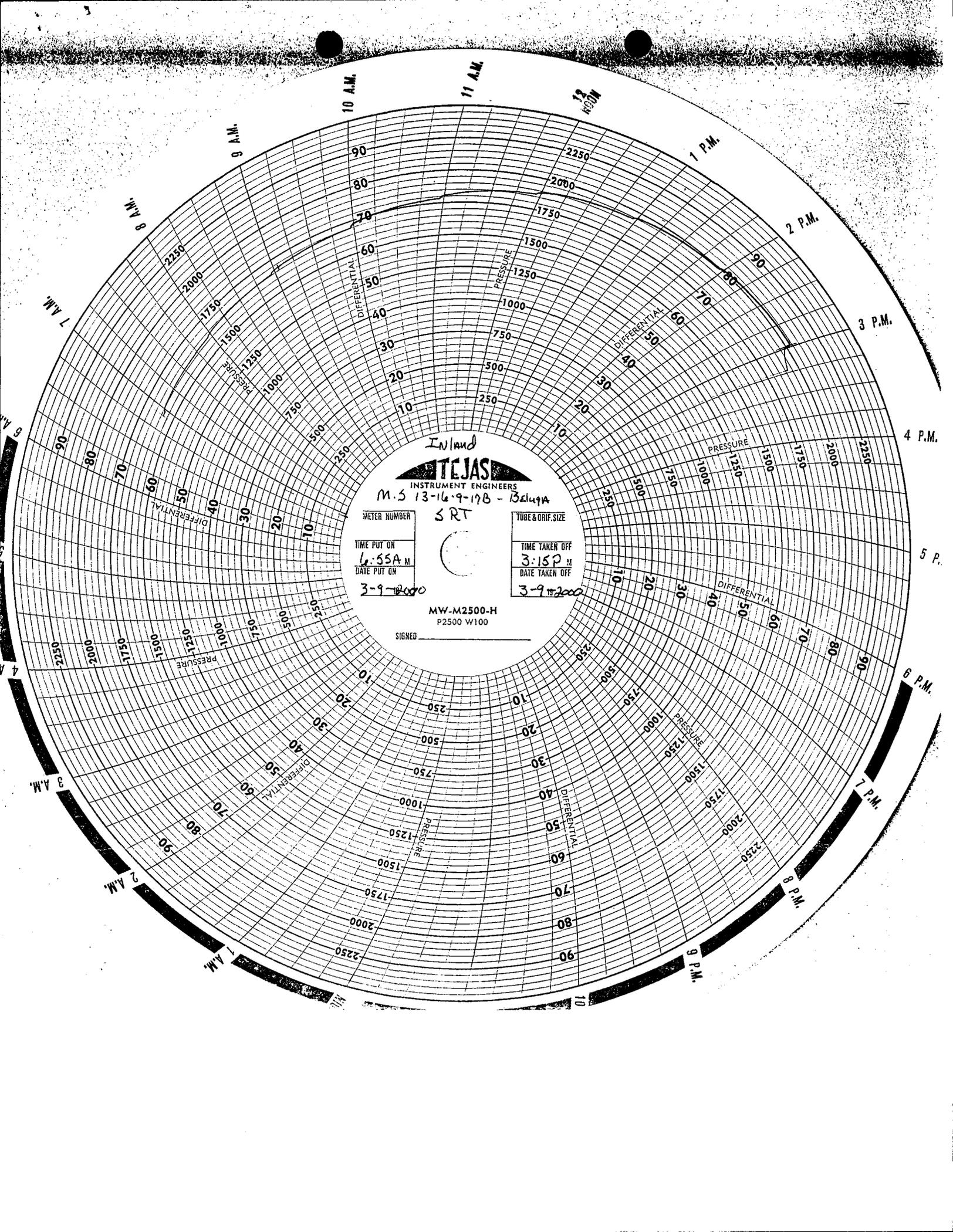


ISIP: 1990 psi

Fracture pressure: 1922 psi

FG: .866

Step	Rate(bpd)	Pressure(psi)
1	40	1620
2	80	1655
3	160	1700
4	320	1785
5	480	1865
6	640	1940
7	800	1995
8	960	2040



Inland  
**TEJAS**  
 INSTRUMENT ENGINEERS

M.S 13-16-9-17B - Belga

METER NUMBER

SRT

TUBE & DRIF. SIZE

TIME PUT ON

6:55 A.M.

TIME TAKEN OFF

3:15 P.M.

DATE PUT ON

3-9-2000

DATE TAKEN OFF

3-9-2000

MW-M2500-H  
 P2500 W100

SIGNED \_\_\_\_\_

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

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-46694</b>
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>
3. ADDRESS OF OPERATOR <b>Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</b>		7. UNIT AGREEMENT NAME  <b>BELUGA</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement.* See also space 17 below.) At surface <b>NW/SW Section 16, T09S R17E 1980 FSL 660 FWL</b>		8. FARM OR LEASE NAME <b>MON STATE 13-16B-9-17</b>
14. API NUMBER <b>43-013-31580</b>		9. WELL NO. <b>MON STATE 13-16B-9-17</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5309 GR</b>		10. FIELD AND POOL OR WILDCAT  <b>MONUMENT BUTTE</b>
		11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA <b>NW/SW Section 16, T09S R17E</b>
		12. COUNTY OR PARISH <b>DUCHESNE</b>
		13. STATE <b>UT</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> <b>5 Year MIT</b>	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 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.)\*

A 5 year MIT was conducted on the subject well. On 10/2/01 Mr. Al Craver w/ EPA and Mr. Dennis Ingram W/ State DOGM was contacted of the intent to conduct a MIT on the casing. On 10/17/01 the casing was pressured to 975 psi and maintained with no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

APPROVED BY: 10-29-01  
DATE: 10-29-01  
BY: CRP

18 I hereby certify that the foregoing is true and correct

SIGNED Krishna Russell TITLE Production Clerk DATE 10/23/01  
Krishna Russell

cc: BLM  
(This space for Federal or State office use)

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

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

TITLE \_\_\_\_\_  
DATE: 10-29-01  
BY: [Signature]

\* See Instructions On Reverse Side

**RECEIVED**

DATE OCT 25 2001

DIVISION OF  
OIL, GAS AND MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
 Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW  
 999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: NA Date: 10 / 17 / 01  
 Test conducted by: Verdell Marx  
 Others present: Brent Cook

Well Name: <u>MS 13-16-9-17B</u>	Type: <u>ER</u> SWD	Status: <u>AC</u> TA UC
Field: <u>Monument Butte</u>		
Location: <u>13</u>	Sec: <u>16</u> T <u>9</u>	N/S R <u>17</u> E/W County: <u>Duchesne</u> State: <u>Utah</u>
Operator: <u>Inland</u>		
Last MIT: <u>11 / 13 / 96</u>	Maximum Allowable Pressure: <u>1922</u>	PSIG

Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No If Yes, rate: 35 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial pressure	<u>975</u> psig	psig	psig
End of test pressure	<u>975</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>975</u> psig	psig	psig
5 minutes	<u>975</u> psig	psig	psig
10 minutes	<u>975</u> psig	psig	psig
15 minutes	<u>975</u> psig	psig	psig
20 minutes	<u>975</u> psig	psig	psig
25 minutes	<u>975</u> psig	psig	psig
30 minutes	<u>975</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

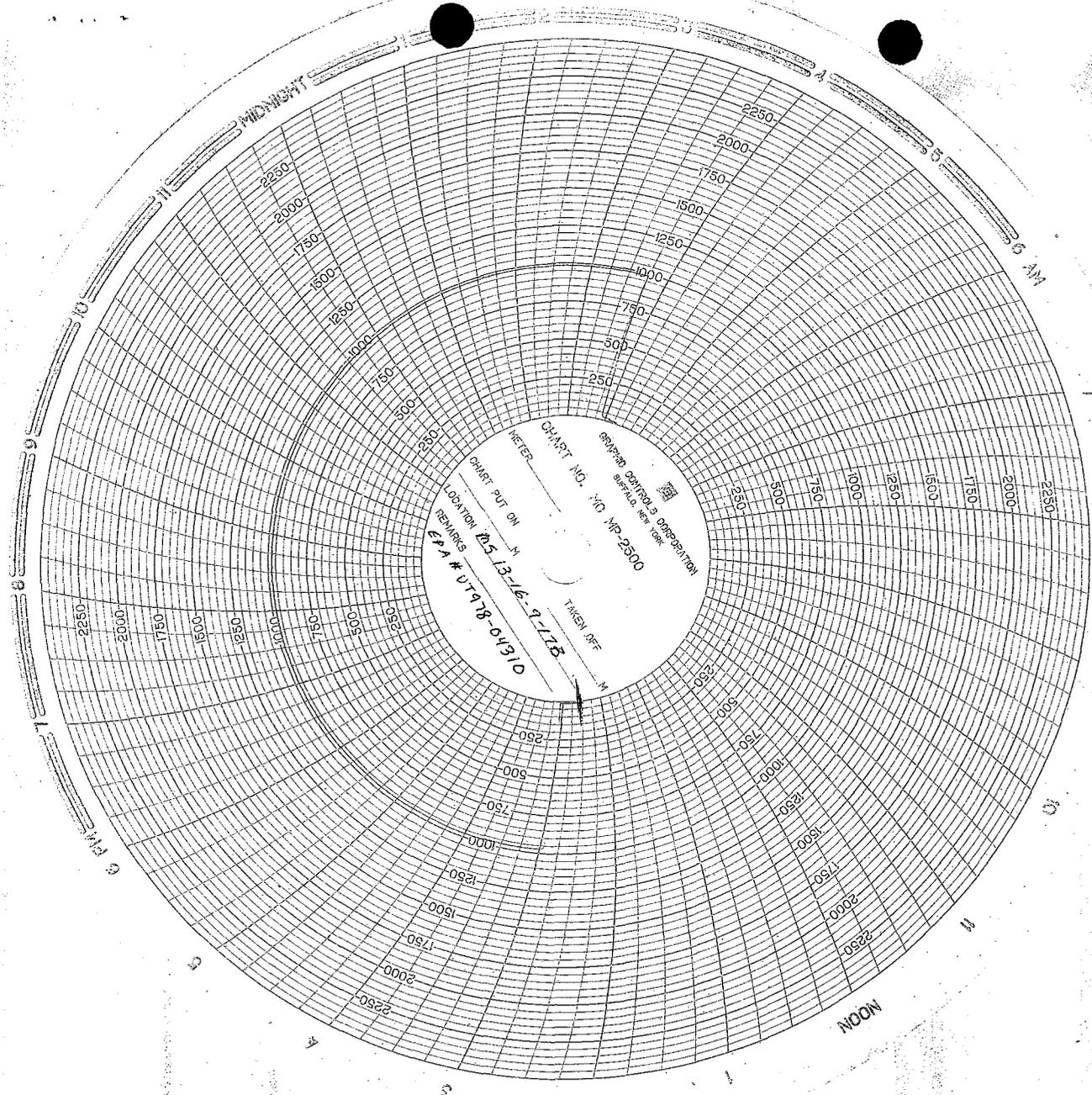
Does the annulus pressure build back up after the test?  Yes  No

RECEIVED

OCT 25 2001

DIVISION OF  
OIL, GAS AND MINING





RECEIVED

OCT 25 2001

DIVISION OF  
OIL GAS AND MINING

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



Geoffrey S. Connor  
Secretary of State

## 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

Come visit us on the internet at <http://www.sos.state.tx.us/>

PHONE(512) 463-5555  
Prepared by: SOS-WEB

FAX(512) 463-5709

TTY7-1-1

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

**CURRENT OPERATOR**

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

**NEW OPERATOR**

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04  
 Title: Field Services Manager

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:		<b>9/1/2004</b>
<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:** **BELUGA (GREEN RIVER)**

<b>WELL(S)</b>								
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 43-7	07	090S	170E	4301331432	11880	Federal	OW	P
BELUGA 15-7-9-17	07	090S	170E	4301331579	11880	Federal	OW	P
BELUGA 10-7-9-17	07	090S	170E	4301332048	11880	Federal	WI	A
BELUGA 14-7-9-17	07	090S	170E	4301332049	11880	Federal	WI	A
MON FED 33-8	08	090S	170E	4301331427	11880	Federal	WI	A
MON ST 23-16-9-17B	16	090S	170E	4301331578	11880	State	OW	P
MON ST 13-16-9-17B	16	090S	170E	4301331580	11880	State	WI	A
MON FED 31-17	17	090S	170E	4301331428	11880	Federal	WI	A
MON FED 22-17	17	090S	170E	4301331429	11880	Federal	WI	A
BALCRON MON FED 12-17	17	090S	170E	4301331431	11880	Federal	OW	P
MONUMENT FED 32-17	17	090S	170E	4301331465	11880	Federal	OW	P
MONUMENT FED 41-17	17	090S	170E	4301331466	11880	Federal	OW	P
BALCRON MON FED 42-17	17	090S	170E	4301331467	11880	Federal	WI	A
MON FED 33-17-9-17B	17	090S	170E	4301331581	11880	Federal	WI	A
MON FED 23-17-9-17B	17	090S	170E	4301331582	11880	Federal	OW	P
BELUGA 3-18-9-17	18	090S	170E	4301332050	11880	Federal	OW	P
BELUGA 7-18-9-17	18	090S	170E	4301332051	11880	Federal	OW	TA
BELUGA 8-18-9-17	18	090S	170E	4301332052	11880	Federal	WI	A
BELUGA 9-18-9-17	18	090S	170E	4301332053	11880	Federal	OW	P
BELUGA U 4-18-9-17	18	090S	170E	4301332274	11880	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
STATE OF UTAH ML-3453-B

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
BELUGA UNIT

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
MON 13-16B-9-17

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331580

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:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1980 FSL 660 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSW, 16, T9S, R17E

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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  10/10/2006	<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: - 5 Year MIT
	<input 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.

On 9/26/06 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 10/10/06. On 10/10/06 the csg was pressured up to 1060 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1875 psig during the test. There was not an EPA representative available to witness the test. EPA# 20798-04310 API# 43-013-31580

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

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE *Callie Duncan*

DATE 10/16/2006

(This space for State use only)

**RECEIVED**

**OCT 17 2006**

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 10/10/06  
 Test conducted by: Trefley J. Ruzan  
 Others present: \_\_\_\_\_

Well Name: <u>MONUMENT STATE 13-16B-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>MONUMENT BUTTE</u>		
Location: <u>NW/4 Sec: 16B T 9 N 10 R 17 E 1/4 W</u> County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1/1</u>		Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                  Yes     No  
 Well injecting during test?              Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

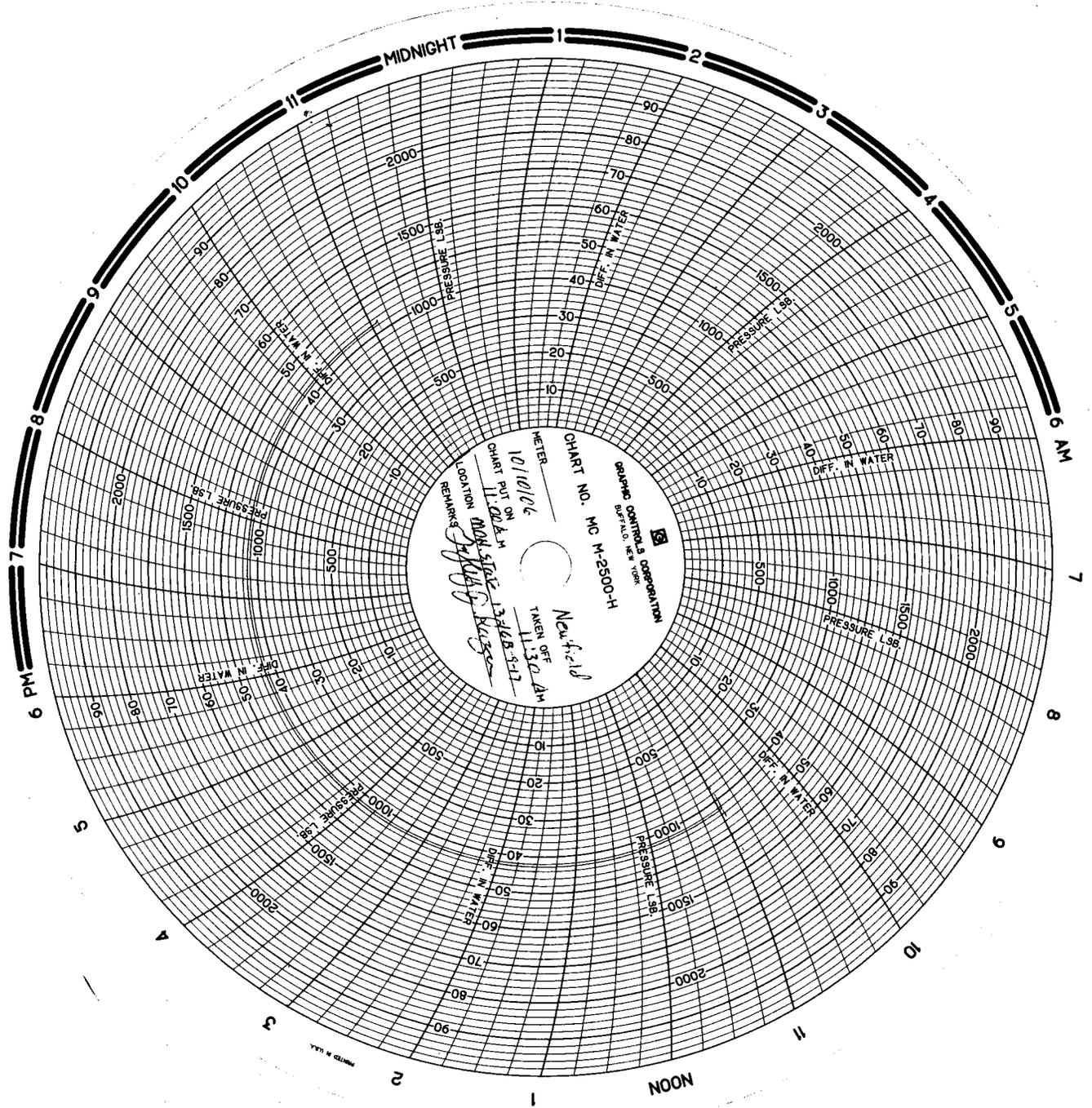
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1875</u> psig	psig	psig
End of test pressure	<u>1875</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1060</u> psig	psig	psig
5 minutes	<u>1060</u> psig	psig	psig
10 minutes	<u>1060</u> psig	psig	psig
15 minutes	<u>1060</u> psig	psig	psig
20 minutes	<u>1060</u> psig	psig	psig
25 minutes	<u>1060</u> psig	psig	psig
30 minutes	<u>1060</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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



<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>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-3453B
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> MON ST 13-16-9-17B	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013315800000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 16 Township: 09.0S Range: 17.0E Meridian: S	<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/1/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
		OTHER: <input type="text" value="5 YR MIT"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 09/14/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 10/01/2011 the casing was pressured up to 1205 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1525 psig during the test. There was not an EPA representative available to witness the test.</p> <p style="text-align: center;">EPA# UT20798-04310</p>		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/5/2011	

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 10 / 1 / 2011  
 Test conducted by: Brandon Morales  
 Others present: \_\_\_\_\_

Well Name: <u>13-16-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Manomet Butte</u>		
Location: <u>13</u> Sec: <u>16</u> T <u>9</u> N/S R <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>VT</u>
Operator: <u>Brandon Morales</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1922</u>	PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1525</u> psig	psig	psig
End of test pressure	psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1200</u> psig	psig	psig
5 minutes	<u>1200</u> psig	psig	psig
10 minutes	<u>1200</u> psig	psig	psig
15 minutes	<u>1200</u> psig	psig	psig
20 minutes	<u>1205</u> psig	psig	psig
25 minutes	<u>1205</u> psig	psig	psig
30 minutes	<u>1205</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-3453B																														
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>																														
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)																														
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> MON ST 13-16-9-17B																															
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013315800000																															
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 16 Township: 09.0S Range: 17.0E Meridian: S	<b>COUNTY:</b> DUCHESNE																															
	<b>STATE:</b> UTAH																															
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>																															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/19/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input checked="" type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<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 checked="" type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME																														
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<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																														
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<input checked="" type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																														
<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.																																
<p>The above subject well had workover procedures performed (tubing leak), attached is a daily status report. On 11/16/2012 Sarah Roberts with the EPA was contacted concerning the MIT on the above listed well. On 11/19/2012 the csg was pressured up to 1055 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1350 psig during the test. There was not an EPA representative available to witness the test. EPA</p> <p style="text-align: center;">#UT20798-04310</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 03, 2012</b></p>																														
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/30/2012																															

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 11 / 19 / 2012

Test conducted by: Brandon Curry

Others present: \_\_\_\_\_

Monument State 13-16-9-17B UT20798-04310

Well Name: <u>Federal 13-16-9-17B</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monument Butte</u>		
Location: <u>13</u>	Sec: <u>16</u>	T <u>9</u> N <u>10</u> R <u>17</u> E/W County: <u>Pueblo</u> State: <u>UT</u>
Operator: <u>Newfield production company</u>		
Last MIT: <u>  /  /  </u>		Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                  Yes     No  
 Well injecting during test?               Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

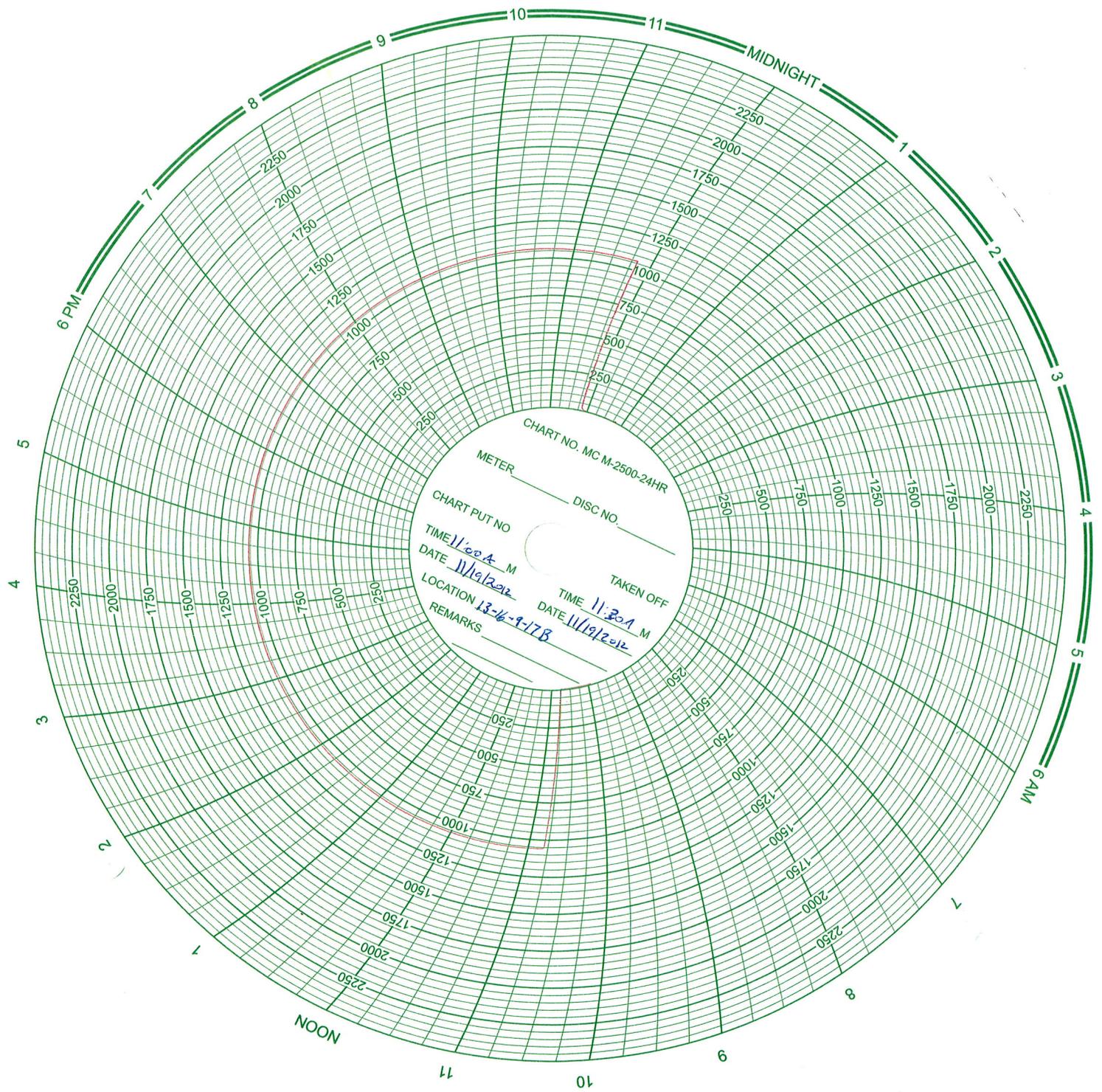
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1350</u> psig	psig	psig
End of test pressure	<u>1350</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1055</u> psig	psig	psig
5 minutes	<u>1055</u> psig	psig	psig
10 minutes	<u>1055</u> psig	psig	psig
15 minutes	<u>1055</u> psig	psig	psig
20 minutes	<u>1055</u> psig	psig	psig
25 minutes	<u>1055</u> psig	psig	psig
30 minutes	<u>1055</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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



## Daily Activity Report

Format For Sundry  
MON 13-16-9-17B  
9/1/2012 To 1/30/2013

**11/13/2012 Day: 1**

**Workover**

Stone #10 on 11/13/2012 - Flowback and MIRU - LT-SM-TAM R/D -R/R R/U Wait on flowback tank 10am SITP 650psi R/U hose to tank @flowback TBG 1030am wait on BOP & water 1130 change BOP bolts 2pm N/D WH 2:15 W/S PKR N/U WH h2s@ 120ppm- 230 wait on checmical for H2S 2:45 wait on hot oiler- - LT-SM-TAM R/D -R/R R/U Wait on flowback tank 10am SITP 650psi R/U hose to tank @flowback TBG 1030am wait on BOP & water 1130 change BOP bolts 2pm N/D WH 2:15 W/S PKR N/U WH h2s@ 120ppm- 230 wait on checmical for H2S 2:45 wait on hot oiler-

**Daily Cost:** \$0

**Cumulative Cost:** \$15,638

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**11/14/2012 Day: 2**

**Workover**

Stone #10 on 11/14/2012 - CT flush TBG 30bw PKR reset - CT- flush tbg 30 BW w/HO & Chemical @ 2000psi PKR reset itself 7 am N/D WH- u/s PKR- N/W WH- Flush tbg 100 BW@ %00 psi w/ Chemical 9 am N/D WH h2S 56 ppm@WH- N/U WH p:15am wait on biocide- 11am flush tbg w/ chemical @ 100 bw@400 psi 1:15pm N/U bop drop ST u/u flush tbg 22bw pkr up tbg to 2800 psi pmp 5 bw pkr bled off to 2000 psi RIH SL to sih ST vlv push st vlv down hole pooh sl rih sl top on st vlv pooh sl prs up tbg 2200 psi pmp 5bw bled off to 1000psi RIH sl to fish stulu pooh SL w/ no stulu POOH breaking doping and tallying 46 jts SDFD - CT- flush tbg 30 BW w/HO & Chemical @ 2000psi PKR reset itself 7 am N/D WH- u/s PKR- N/W WH- Flush tbg 100 BW@ %00 psi w/ Chemical 9 am N/D WH h2S 56 ppm@WH- N/U WH p:15am wait on biocide- 11am flush tbg w/ chemical @ 100 bw@400 psi 1:15pm N/U bop drop ST u/u flush tbg 22bw pkr up tbg to 2800 psi pmp 5 bw pkr bled off to 2000 psi RIH SL to sih ST vlv push st vlv down hole pooh sl rih sl top on st vlv pooh sl prs up tbg 2200 psi pmp 5bw bled off to 1000psi RIH sl to fish stulu pooh SL w/ no stulu POOH breaking doping and tallying 46 jts SDFD

**Daily Cost:** \$0

**Cumulative Cost:** \$22,388

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**11/15/2012 Day: 3**

**Workover**

Stone #10 on 11/15/2012 - POOH breaking and doping tallying Joints,check every connection on - CT-SM SITP 1160psi- SICP 1050psi POOH Breaking doping and tallying JTS- Hole in JT # 51- L/O 10 jts POOH breaking Doping 18 jts- Hole in JT #61 L/D 10 jts- P/U 10jts- POOH tbg w/ BHA 139 JTS s/n xo-pkr- jt 139 was half full of sand and scale. 3 pm RIH TBG w/NHA check every connection on- 138 JTS- s/n- on/off tool PKR XO- 2-3/8 \$' pup XNN- W.REG EOT at Hol' flush tubing 20 bw drop st valve flsuh tbg 35 bw never prs up. - CT-SM SITP 1160psi- SICP 1050psi POOH Breaking doping and tallying JTS- Hole in JT # 51- L/O 10 jts POOH breaking Doping 18 jts- Hole in JT #61 L/D 10 jts- P/U 10jts- POOH tbg w/ BHA 139 JTS s/n xo-pkr- jt 139 was half full of sand and scale. 3 pm RIH TBG w/NHA check every connection on- 138 JTS- s/n- on/off tool PKR XO- 2-3/8 \$' pup XNN- W.REG EOT at Hol' flush tubing 20 bw drop st valve flsuh tbg 35 bw never prs up.

**Daily Cost:** \$0

**Cumulative Cost:** \$27,577

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**11/16/2012 Day: 4**

**Workover**

Stone #10 on 11/16/2012 - sitp 1000psi- sicmp -960psi- rih sl- tap st vlv dwn- pooh sl- 8am prs tst tbg 3100psi- 9:15am prs came up to 3180psi- gt- rih sl w/ovrsht- fish st vlv- n/d bop - Stone 10. Mon 13-16b-9-17 5:30am 6:30am ct- sm- 7am sitp 1000psi- sicmp -960psi- rih sl- tap st vlv dwn- pooh sl- 8am prs tst tbg 3100psi- 9:15am prs came up to 3180psi- gt- rih sl w/ovrsht- fish st vlv- n/d bop- 11am flush csg 60bw w/pkr fluid- set pkr 15k- n/u wh- 138jts- s/n- on/off tool- pkr- xo- 4'pup- xnn- w.re.g.- eot @ 4404.91'- 12:30pm prs tst csg 1700psi- 1:30pm final tst 1700psi- r/d- 2:30pm r/r- Stone 10. Mon 13-16b-9-17 5:30am 6:30am ct- sm- 7am sitp 1000psi- sicmp -960psi- rih sl- tap st vlv dwn- pooh sl- 8am prs tst tbg 3100psi- 9:15am prs came up to 3180psi- gt- rih sl w/ovrsht- fish st vlv- n/d bop- 11am flush csg 60bw w/pkr fluid- set pkr 15k- n/u wh- 138jts- s/n- on/off tool- pkr- xo- 4'pup- xnn- w.re.g.- eot @ 4404.91'- 12:30pm prs tst csg 1700psi- 1:30pm final tst 1700psi- r/d- 2:30pm r/r-

**Daily Cost:** \$0

**Cumulative Cost:** \$32,122

**11/26/2012 Day: 5**

**Workover**

Rigless on 11/26/2012 - Conduct MIT - On 11/16/2012 Sarah Roberts with the EPA was contacted concerning the MIT on the above listed well. On 11/19/2012 the csg was pressured up to 1055 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1350 psig during the test. There was not an EPA representative available to witness the test. EPA #UT20798-04310 - On 11/16/2012 Sarah Roberts with the EPA was contacted concerning the MIT on the above listed well. On 11/19/2012 the csg was pressured up to 1055 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1350 psig during the test. There was not an EPA representative available to witness the test. EPA #UT20798-04310 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$33,022

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

DEC 13 2012

Ref: 8ENF-UFO

CERTIFIED MAIL 7009-3410-0000-2599-7587  
RETURN RECEIPT REQUESTED

RECEIVED

DEC 17 2012

DIV. OF OIL, GAS & MINING

Mr. J D Horrocks  
Newfield Exploration Company  
Route 3, Box 3630  
Myton, UT 84052

Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
Monument State 13-16-9-17B Well  
EPA ID# UT20798-04310  
API # 43-013-31580  
Beluga Field  
Duchesne County, UT

Accepted by the  
Utah Division of  
Oil, Gas and Mining

FOR RECORD ONLY

93 17E 16

Dear Mr. Horrocks:

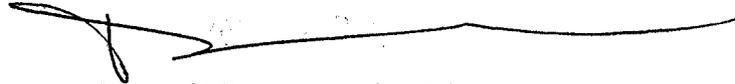
On December 6, 2012, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above referenced well concerning the workover to address a tubing leak and the followup mechanical integrity test (MIT) conducted on November 19, 2012. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before November 19, 2017.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,



Darcy O'Connor, Acting Director  
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Irene Cuch, Jr., Chairwoman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Reannin Tapoof, Assistant  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Richard Jenks, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman  
Uintah & Ouray Business Committee  
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Fort Duchesne, Utah 84026

Mike Natchees, Environmental  
Coordinator  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Stewart Pike, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Frances Poowegup, Councilwoman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy,  
Minerals and Air Programs  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

John Rogers  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-3453-B
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> MON ST 13-16-9-17B	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013315800000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 16 Township: 09.0S Range: 17.0E Meridian: S	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/3/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Workover MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The above subject well had workover procedures performed (packer repair), attached is a daily status report. Workover MIT performed on the above listed well. On 07/03/2014 the csg was pressured up to 1259 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 400 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04310</p>		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 07, 2014</b></p>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/10/2014	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 7 13 114  
 Test conducted by: Brendan Curry  
 Others present: \_\_\_\_\_

Well Name: <u>Monument State 13-16-9-17B</u>	Type: ER SWD	Status: AC TA UC	-04310
Field: <u>Greater Monument Butte</u>			
Location: <u>13</u> Sec: <u>16</u> T <u>9</u> N <u>1</u> S R <u>17</u> E W County: <u>Duchesne</u> State: <u>UT</u>			
Operator: <u>Newfield Production Company</u>			
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: <u>1630</u> PSIG	

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0/400 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>400</u> psig	psig	psig
End of test pressure	<u>400</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1260</u> psig	psig	psig
5 minutes	<u>1260</u> psig	psig	psig
10 minutes	<u>1260</u> psig	psig	psig
15 minutes	<u>1260</u> psig	psig	psig
20 minutes	<u>1259</u> psig	psig	psig
25 minutes	<u>1259</u> psig	psig	psig
30 minutes	<u>1259</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

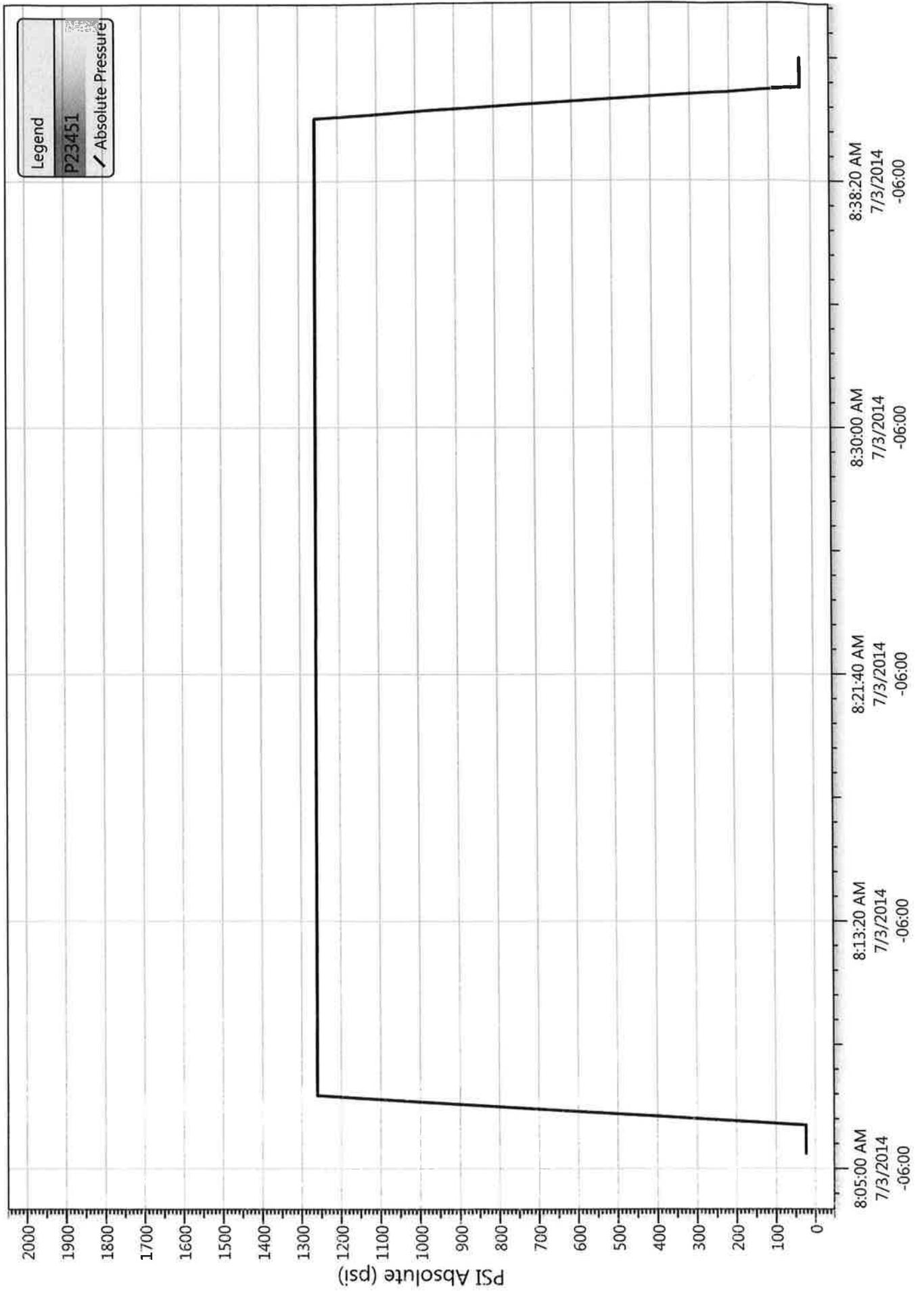
Does the annulus pressure build back up after the test ?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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

13-16B-9-17 MIT  
7/3/2014 8:05:14 AM





Well Name: Mon 13-16-9-17B

### Job Detail Summary Report

Primary Job Type	Job Start Date	Job End Date
Repairs	6/30/2014	7/3/2014

Daily Operations		24hr Activity Summary
Report Start Date	Report End Date	ROAD RIG. BLEED DOWN WELL. ND WH. NU BOP
6/30/2014	6/30/2014	
Start Time	End Time	Comment
06:00	07:00	CREW TRAVEL
Start Time	End Time	Comment
07:00	07:15	SAFETY MEETING TOPIC RIG DOWN ROAD RIG UP PULLING TBG BREAK AND DOPE COLLARS
Start Time	End Time	Comment
07:15	08:30	RIG DOWN LOAD UP PRETRIPS
Start Time	End Time	Comment
08:30	10:00	ROAD RIG 30 MILES FROM THE 2-8-3/WH
Start Time	End Time	Comment
10:00	10:30	POST TRIPS SPOT IN AND RIG QUIT STARTER MOTOR LOCKED UP OPEN WELL TO TANK @ 400 # LET BLEED DOWN
Start Time	End Time	Comment
10:30	13:00	100 BLEED DOWN WELL GET BOPS READY PIPE RAMS REMOVE SPOOL CHANGE BOLTS GET STARTER FIXED ON RIG CHANGE SLIPS TO 2 7/8" NO CHARGE FOR 1 1/2 HRS
Start Time	End Time	Comment
13:00	14:00	RIG UP
Start Time	End Time	Comment
14:00	15:30	ND WELLHEAD REMOVE FLANGE RELEASE PACKER NU BOPS RU FLOOR
Start Time	End Time	Comment
15:30	17:30	PUMP 10 BBL DOWN TBG DROP SV AND PUMP DOWN W/ 50 BBL NO TEST @ 150#
Start Time	End Time	Comment
17:30	18:30	RU SL RIH AND TAG SV @ 2500' TRY TO SMACK IT DOWN WONT MONT MOVE POOH RD SL SWIFN
Start Time	End Time	Comment
18:30	19:30	CREW TRAVEL
Report Start Date		24hr Activity Summary
7/1/2014		POOH TBG. LD PKR ASSY. PU PKR ASSY
Start Time	End Time	Comment
06:00	07:00	CREW TRAVEL
Start Time	End Time	Comment
07:00	07:15	SAFETY MEETING TOPIC BLEED DOWN WELL PULL TBG BREAKING AND DOPING COLLARS
Start Time	End Time	Comment
07:15	14:00	OPEN WELL @ 350 # BLEED OFF POOH W/ TBG BREAKING AND DOPING COLLARS AND TALLY OUT LD 3 JNTS WITH CRIMPS AND BOTTOM 7 JNTS WITH CORROSION HOLES LD PACKER ASSEMBLY
Start Time	End Time	Comment
14:00	18:00	PU PACKER ASSEMBLY 10 JNTS NEW 2 7/8" J-55 TBG BREAK AND DOPE COLLARS RIH W/ 48 JNTS 2 7/8" J-55 TBG DROP SV RU HOTOILES CHASE W/ 3 BBL TEST TBG TO 3000 # WATCH FOR 10 MIN GOOD RIH W/ 40 JNTS AND TEST TO 3000 # WATCH FOR 10 MIN RIH W/ LAST 40 JNTS TBG TEST TO 2975# FOR 30 MIN LOST 40 # WATCH FOR 30 MORE MIN GAINED 30 # BULLPLUG AND LEAVE OVERNIGHT @ 2950#
Start Time	End Time	Comment
18:00	19:00	CREW TRAVEL
Report Start Date		24hr Activity Summary
7/2/2014		RU PUMPER FOR MIT PRESSURE UP
Start Time	End Time	Comment
06:00	07:00	CREW TRAVEL
Start Time	End Time	Comment
07:00	07:15	SAFETY MEETING TOPIC TESTING TBG AND CSG FOR INJECTION WELL RIG DOWN ROAD RIG UP



**Job Detail Summary Report**

Start Time	07:15	End Time	07:30	Comment
				715 TO 730 PRESSURE ON TBG 2400 # LOST 450 # OVER NIGHT RU HOTOILER AND PRESSURE TBG UP TO 2980 #
Start Time	07:30	End Time	08:00	Comment
				TEST TBG 3200 # ON TBG WHEN DONE
Start Time	08:00	End Time	08:30	Comment
				RU SL RIH FISH SV POOH RD SL
Start Time	08:30	End Time	09:30	Comment
				RD FLOOR ND BOPS PU TBG SUB AND FLANGE AND LAND TBG NU WELLHEAD
Start Time	09:30	End Time	10:45	Comment
				PUMP 70 BBL PACKER FLUID DOWN CSG
Start Time	10:45	End Time	11:15	Comment
				ND WELLHEAD SET PACKER @ 4402' REMOVE TBG SUB AND RELAND TBG W/ 14 K TENSION TIGHTEN BOLTS
Start Time	11:15	End Time	16:00	Comment
				RU PUMPER FOR MIT PRESSURE UP TO 1500 # LOST 20 # IN 15 MIN WATE 1 HR RU FOR MIT AGAIN LOST 18 # IN 20 MIN WATE 1 HR TRY AGAIN LOST 8 # IN 15 MIN RU HOTOILER PRESSURE UP TO 1500 # AND SWIFN
Start Time	16:00	End Time	17:00	Comment
				CREW TRAVEL
Report Start Date	7/3/2014	Report End Date	7/3/2014	24hr Activity Summary
				Conduct MIT
Start Time	08:00	End Time	08:30	Comment
				Workover MIT performed on the above listed well. On 07/03/2014 the csg was pressured up to 1259 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 400 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04310

**NEWFIELD**

**Schematic**

**Well Name: Mon 13-16-9-17B**

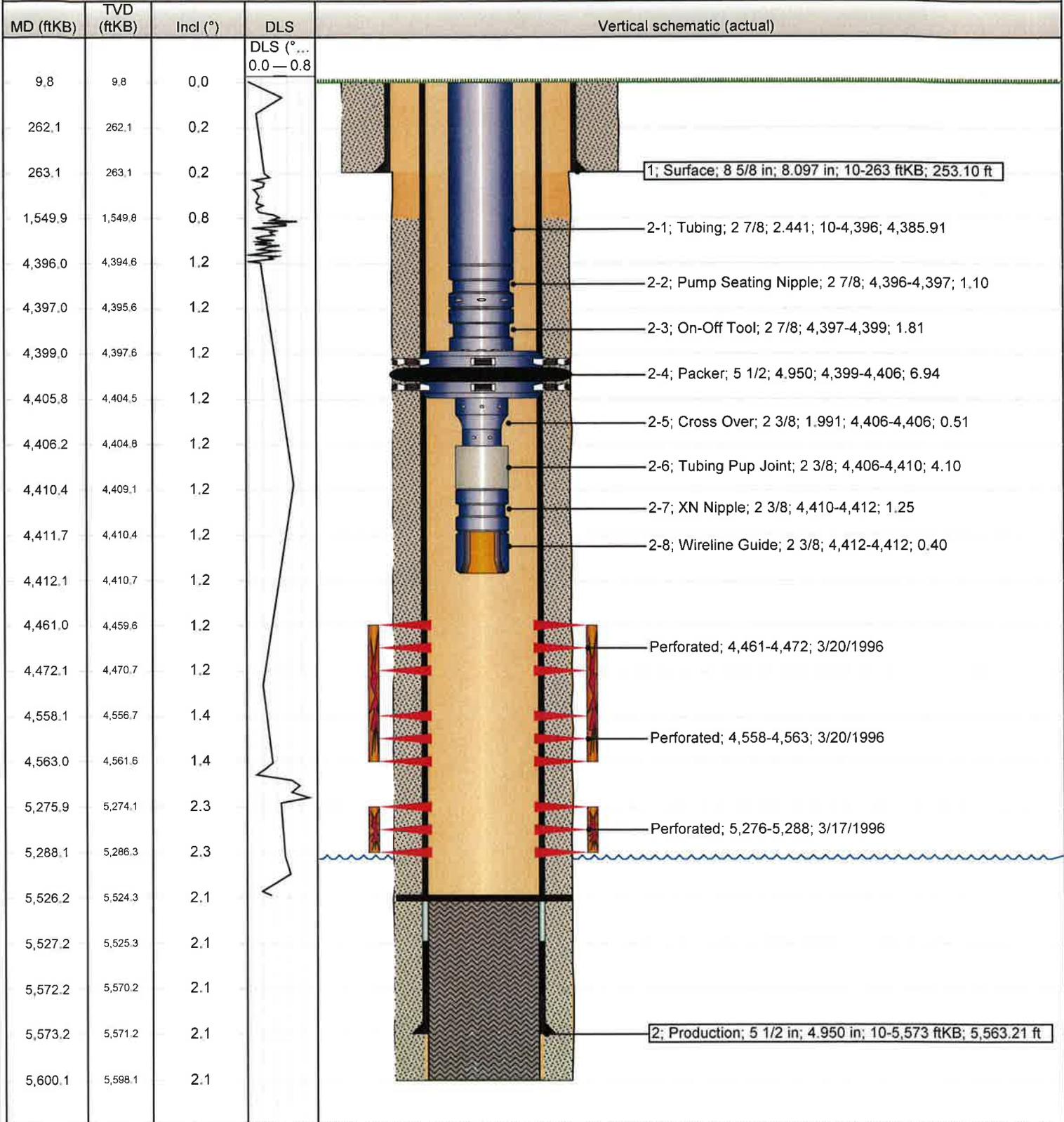
Surface Legal Location 16-9S-17E		API/UWI 43013315800000	Well RC 500151122	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 12/16/1996	Original KB Elevation (ft) 5,319	Ground Elevation (ft) 5,309	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,526.1	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Repairs	Secondary Job Type Packer Repair	Job Start Date 6/30/2014	Job End Date 7/3/2014
---------------------------------------	-----------------------------	-------------------------------------	-----------------------------	--------------------------

**TD: 5,600.0**

Vertical - Original Hole, 7/8/2014 10:08:44 AM



**NEWFIELD****Newfield Wellbore Diagram Data  
Mon 13-16-9-17B**

Surface Legal Location 16-9S-17E			API/UWI 43013315800000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin		Field Name GMBU CTB6
Well Start Date 3/5/1996		Spud Date		Final Rig Release Date		On Production Date 12/16/1996
Original KB Elevation (ft) 5,319	Ground Elevation (ft) 5,309	Total Depth (ftKB) 5,600.0		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,526.1

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	3/5/1996	8 5/8	8.097	24.00	J-55	263
Production	3/12/1996	5 1/2	4.950	15.50	J-55	5,573

**Cement****String: Surface, 263ftKB 3/5/1996**

Cementing Company BJ Services Company		Top Depth (ftKB) 10.0	Bottom Depth (ftKB) 263.1	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCl+ 1/4#/sk Cello Seal		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 10.0

**String: Production, 5,573ftKB 3/12/1996**

Cementing Company BJ Services Company		Top Depth (ftKB) 1,550.0	Bottom Depth (ftKB) 5,600.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 3#/sk POZ+ 34#/sk BA91+ 2% salt+ 2% gel+ 1/4#/sk Cello Seal		Fluid Type Lead	Amount (sacks) 165	Class Super G	Estimated Top (ftKB) 1,550.0
Fluid Description 2% gel+ 1/4#/sk Cello Seal		Fluid Type Tail	Amount (sacks) 435	Class 50/50 POZ	Estimated Top (ftKB) 2,025.0

**Tubing Strings**

Tubing Description Tubing				Run Date 7/2/2014	Set Depth (ftKB) 4,412.0			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing		2 7/8	2.441	6.50	J-55	4,385.91	10.0	4,395.9
Pump Seating Nipple		2 7/8				1.10	4,395.9	4,397.0
On-Off Tool		2 7/8				1.81	4,397.0	4,398.8
Packer		5 1/2	4.950			6.94	4,398.8	4,405.8
Cross Over		2 3/8	1.991			0.51	4,405.8	4,406.3
Tubing Pup Joint		2 3/8				4.10	4,406.3	4,410.4
XN Nipple		2 3/8				1.25	4,410.4	4,411.6
Wireline Guide		2 3/8				0.40	4,411.6	4,412.0

**Rod Strings**

Rod Description				Run Date	Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
3	R2, Original Hole	4,461	4,472	4			3/20/1996
2	R5, Original Hole	4,558	4,563	4			3/20/1996
1	B1, Original Hole	5,276	5,288	4			3/17/1996

**Stimulations & Treatments**

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,900	0.799	32.0	2,310			
2	2,200	0.927	32.0	4,650			

**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 39260 lb
2		Proppant White Sand 52180 lb



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

RECEIVED

AUG 07 2014

DIV. OF OIL, GAS & MINING

Ref: 8ENF-UFO

CERTIFIED MAIL 7008-3230-0003-0727-5645  
RETURN RECEIPT REQUESTED

Mr. J D Horrocks  
Newfield Exploration Company  
Route 3, Box 3630  
Myton, UT 84052

16 95 17E

Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
Monument State 13-16-9-17B Well  
EPA ID# UT22197-04310  
API # 43-013-31580  
Beluga Oil Field  
Duchesne County, UT

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

**FOR RECORD ONLY**

Dear Mr. Horrocks:

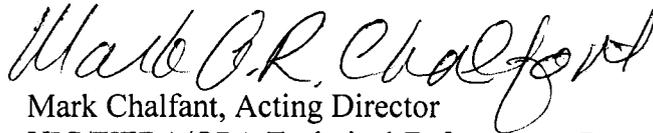
On July 16, 2014, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above-referenced well concerning the workover to address a packer leak and the follow-up mechanical integrity test (MIT) conducted on July 3 2014. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. § 144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before July 3, 2019.

Pursuant to 40 C.F.R. § 144.52(a)(6), if the well is not used for a period of at least two (2) years (temporary abandonment), it shall be plugged and abandoned unless the EPA is notified and procedures are described to the EPA ensuring the well will not endanger underground sources of drinking water (non-endangerment demonstration) during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. § 300h. Such non-compliance may subject you to formal enforcement by the EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056.  
Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,



Mark Chalfant, Acting Director  
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Gordon Howell, Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Reannin Tapoof, Executive Assistant  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Tony Small, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Stewart Pike, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Bruce Ignacio, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy,  
Minerals and Air Programs  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

John Rogers  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114



Sundry Number: 53210 API Well Number: 43013315800000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453-B
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: MON ST 13-16-9-17B
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 4301331580000
3. ADDRESS OF OPERATOR: RI 3 Box 3630, Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 16 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Workover MIT"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/3/2014			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

The above subject well had workover procedures performed (packer repair), attached is a daily status report. Workover MIT performed on the above listed well. On 07/03/2014 the csg was pressured up to 1259 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 400 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04310

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 August 07, 2014

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/10/2014	

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 7 13 114  
 Test conducted by: Brendan Curry  
 Others present: \_\_\_\_\_

Well Name: <u>Monument State 13-16-9-17B</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Greater Monument Butte</u>		
Location: <u>13</u> Sec: <u>16</u> T <u>9</u> N <u>15</u> R <u>17</u> W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield Production Company</u>		
Last MIT: _____	Maximum Allowable Pressure: <u>1630</u>	PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0/400 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>400</u> psig	psig	psig
End of test pressure	<u>400</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1260</u> psig	psig	psig
5 minutes	<u>1260</u> psig	psig	psig
10 minutes	<u>1260</u> psig	psig	psig
15 minutes	<u>1260</u> psig	psig	psig
20 minutes	<u>1259</u> psig	psig	psig
25 minutes	<u>1259</u> psig	psig	psig
30 minutes	<u>1259</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

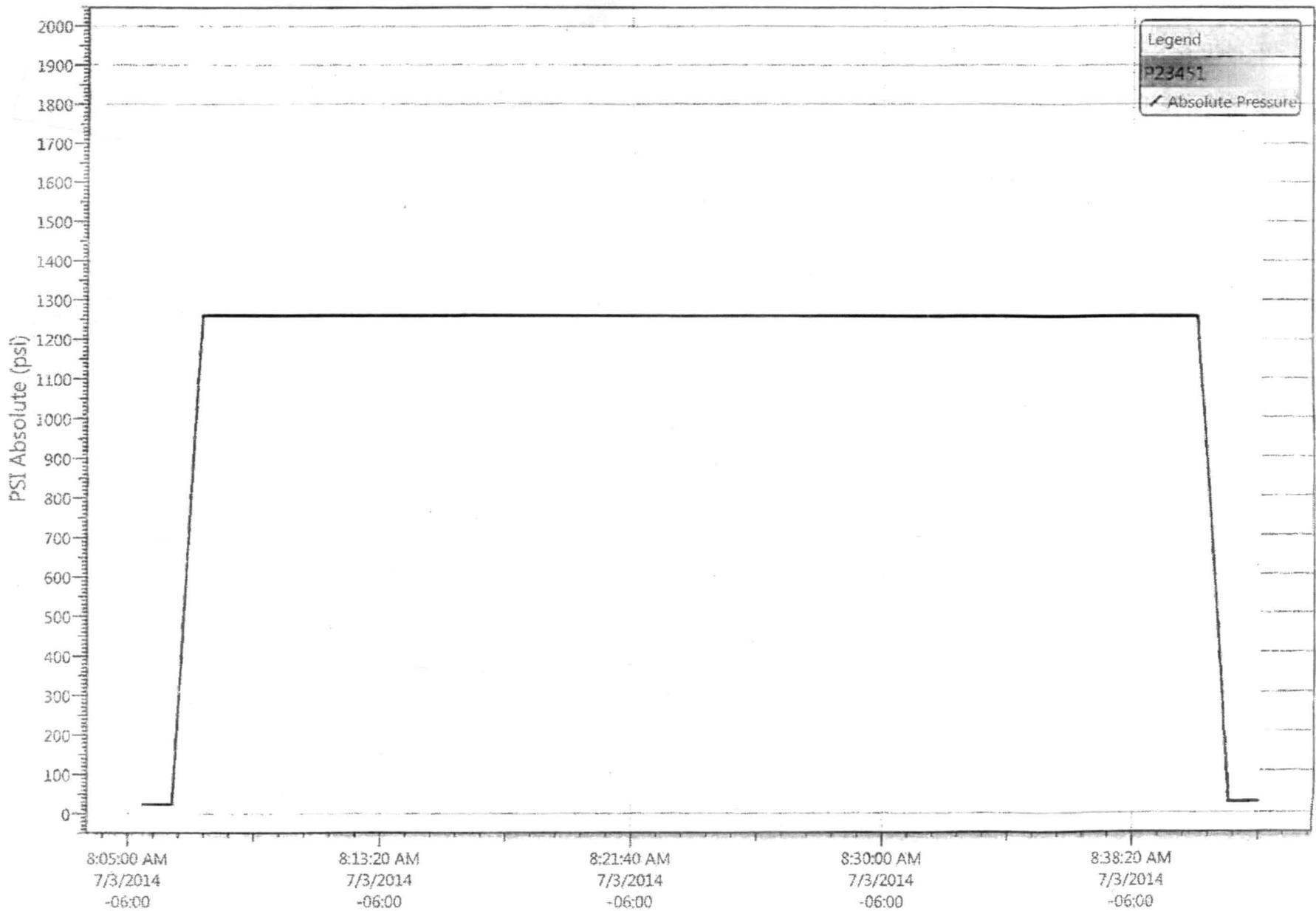
Does the annulus pressure build back up after the test?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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

13-16B-9-17 MIT  
7/3/2014 8:05:14 AM



Sundry Number : 53210 API Well Number : 43013315800000



**Job Detail Summary Report**

**Well Name: Mon 13-16-9-17B**

Sundry Number : 53210 API Well Number : 43013315800000

<b>Jobs</b>		
Primary Job Type Repairs	Job Start Date 6/30/2014	Job End Date 7/3/2014

**Daily Operations**

Report Start Date	Report End Date	24hr Activity Summary
6/30/2014	6/30/2014	ROAD RIG. BLEED DOWN WELL. ND WH, NU BOP
Start Time	End Time	Comment
06:00	07:00	CREW TRAVEL
07:00	07:15	SAFETY MEETING TOPIC RIG DOWN ROAD RIG UP PULLING TBG BREAK AND DOPE COLLARS
07:15	08:30	RIG DOWN LOAD UP PRETRIPS
08:30	10:00	ROAD RIG 30 MILES FROM THE 2-8-3-3WH
10:00	10:30	POST TRIPS SPOT IN AND RIG QUIT STARTER MOTOR LOCKED UP OPEN WELL TO TANK @ 400 # LET BLEED DOWN
10:30	13:00	100 BLEED DOWN WELL GET BOPS READY PIPE RAMS REMOVE SPOOL CHANGE BOLTS GET STARTER FIXED ON RIG CHANGE SLIPS TO 2 7/8" NO CHARGE FOR 1 1/2 HRS
13:00	14:00	RIG UP
14:00	15:30	ND WELLHEAD REMOVE FLANGE RELEASE PACKER NU BOPS RU FLOOR
15:30	17:30	PUMP 10 BBL DOWN TBG DROP SV AND PUMP DOWN W/ 50 BBL NO TEST @ 150#
17:30	18:30	RU SL RIH AND TAG SV @ 2500' TRY TO SMACK IT DOWN WONT MONT MOVE POOH RD SL SWIFN
18:30	19:30	CREW TRAVEL
7/1/2014	7/1/2014	POOH TBG. LD PKR ASSY. PU PKR ASSY
06:00	07:00	CREW TRAVEL
07:00	07:15	SAFETY MEETING TOPIC BLEED DOWN WELL PULL TBG BREAKING AND DOPING COLLARS
07:15	14:00	OPEN WELL @ 350 # BLEED OFF POOH W/ TBG BREAKING AND DOPING COLLARS AND TALLY OUT LD 3 JNTS WITH CRIMPS AND BOTTOM 7 JNTS WITH CORROSION HOLES LD PACKER ASSEMBLY
14:00	18:00	PU PACKER ASSEMBLY 10 JNTS NEW 2 7/8" J-55 TBG BREAK AND DOPE COLLARS RIH W/ 48 JNTS 2 7/8" J-55 TBG DROP SV RU HOTOILES CHASE W/ 3 BBL TEST TBG TO 3000 # WATCH FOR 10 MIN GOOD RIH W/ 40 JNTS AND TEST TO 3000 # WATCH FOR 10 MIN RIH W/ LAST 40 JNTS TBG TEST TO 2975# FOR 30 MIN LOST 40 # WATCH FOR 30 MORE MIN GAINED 30 # BULLPLUG AND LEAVE OVERNIGHT @ 2950#
18:00	19:00	CREW TRAVEL
7/2/2014	7/2/2014	RU PUMPER FOR MIT PRESSURE UP
06:00	07:00	CREW TRAVEL
07:00	07:15	SAFETY MEETING TOPIC TESTING TBG AND CSG FOR INJECTION WELL RIG DOWN ROAD RIG UP



# EQUITABLE RESOURCES ENERGY COMPANY

WELL NAME: **Monument State 13-16-9-17B**  
 FIELD: Monument Butte  
 STATE LEASE NO.: ML-3453-B  
 LOCATION: NW SW Sec. 16, T9S, R17E  
 FOOTAGE: 1980' FSL & 660' FWL  
 COUNTY/STATE: Duchesne County, Utah  
 WORKING INTEREST: 0.91491728  
 PRODUCING FORMATION: Green River  
 COMPLETION DATE: 3/18/1996  
 INITIAL PRODUCTION:  
 OIL/GAS PURCHASER: Amoco  
 PRESENT PROD STATUS: Waiting on Equipment  
 ELEVATIONS - GROUND: 5309' GL  
 TOTAL DEPTH: 5600' KB

DATE : 3/21/1996 lac

API NO.: 43-013-31580

NET REVENUE INTEREST: 0.80471769 Oil  
 0.7310824 Gas

SPUD DATE: 3/5/96  
 OIL GRAVITY:  
 BHT:

KB: 5319' KB (10' KB)  
 PLUG BACK TD: 5523' KB

## SURFACE CASING

STRING: 1  
 CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 250'  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs "G" + 2% CaCl +  
 1/4#/sx celloseal.

## TUBING RECORD

SIZE/GRADE/WT.:  
 NO. OF JOINTS:  
 TUBING ANCHOR:  
 NO. OF JOINTS:  
 SEATING NIPPLE:  
 PERFORATED SUB:  
 MUD ANCHOR:  
 TOTAL STRING LENGTH:  
 SN LANDED AT:

## SUCKER ROD RECORD

POLISHED ROD:  
 SUCKER RODS:

TOTAL ROD STRING LENGTH:

PUMP SIZE:

PUMP NUMBER:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 PUMPING UNIT SIZE:  
 PRIME MOVER:

## PRODUCTION CASING

STRING: 1  
 CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 5563.21'  
 DEPTH LANDED: 5573.21' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: Lead - 165 sxs super "G" -  
 47#/sx + 3#/sx poz + 34#/sx  
 BA-91 + 3% salt + 2% gel +  
 2#/sx HiSeal2 + 1/4#/sx  
 cello seal. Tail - 435 sxs  
 50/50 poz + 2% gel +  
 1/4#/sx cello seal + 2#/sx  
 HiSeal2.

CEMENT TOP AT: 1550' KB

## PERFORATION RECORD

3-20-96	Schlumberger	4461' - 4472'	11 Holes	R2
		4558' - 4563'	4 Holes	R5
3-15-96	Schlumberger	5276' - 5288'	4 SPF	B1

## ACID JOB / BREAKDOWN JOB

3-18-96	BJ Services	5276' - 5288': 2268 gal 2% KCL wtr w/96 ball sealers, surge balls off. ATR-4.7 bpm, ATP-2800, ISIP-1300.
---------	-------------	---

## FRAC JOB

3-18-96	BJ Services	5276' - 5288': 15,120 gal 2% KCL wtr w/14,880 lbs 20/40 & 24,380 lbs 16/30. Flush w/5208 gal 2% KCL wtr. ATR-31 bpm, ATP-2000, ISIP-1900, 5 min- 1790, 10 min-1580, 15 min- 1470, 30 min-1360.
---------	-------------	--



Monument State 13-16-9-17B  
 NW SW Sec. 16, T9S, R17E  
 1980' FSL & 660' FWL  
 Lease No. ML-3453-B  
 Monument Butte  
 Duchesne County, Utah

Elev.GR -5309' GL  
 Elev.KB - 5319' KB (10' KB)

**WELLBORE DIAGRAM**

DATE : 3/21/1996 lac

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 250'  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs

PRODUCTION CASING

260' KB

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 5563.21'  
 DEPTH LANDED: 5573.21' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: Lead - 165 sxs super "G" -  
 47#/sx + 3#/sx poz + 34#/sx  
 BA-91 + 3% salt + 2% gel +  
 2#/sx HiSeal2 + 1/4#/sx  
 cello seal. Tail - 435 sxs  
 50/50 poz + 2% gel +  
 1/4#/sx cello seal + 2#/sx  
 HiSeal2.

CEMENT TOP AT: 1550' KB

TUBING

SIZE/GRADE/WT.:  
 NO. OF JOINTS:  
 TUBING ANCHOR:  
 NO. OF JOINTS:  
 SEATING NIPPLE:  
 PERFORATED SUB:  
 MUD ANCHOR:  
 STRING LENGTH:  
 SN LANDED AT:

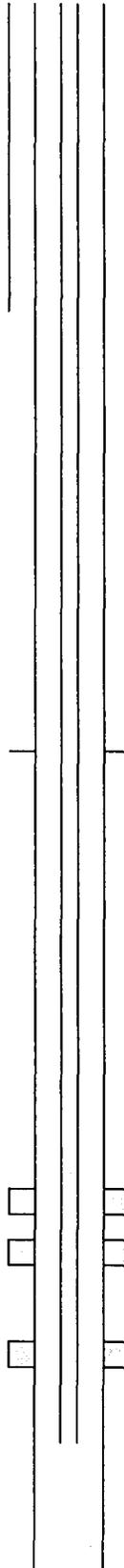
SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:

STRING LENGTH:

PUMP SIZE:

PUMP NUMBER:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 PUMPING UNIT:  
 PRIME MOVER:



ACID JOB /BREAKDOWN

3-18-96 BJ Services 5276' - 5288': 2268 gal 2%  
 KCL wtr w/96 ball sealers,  
 surge balls off. ATR-4.7 bpm,  
 ATP-2800, ISIP-1300.

FRAC JOB

3-18-96 BJ Services 5276' - 5288': 15,120 gal 2%  
 KCL wtr w/14,880 lbs 20/40 &  
 24,380 lbs 16/30. Flush w/5208  
 gal 2% KCL wtr. ATR-31 bpm,  
 ATP-2000, ISIP-1900, 5 min-  
 1790, 10 min-1580, 15 min-  
 1470, 30 min-1360.

PERFORATION RECORD

3-20-96 Schlumberger 4461' - 4472' 11 Holes R2  
 4558' - 4563' 4 Holes R5  
 3-15-96 Schlumberger 5276' - 5288' 4 SPF B1

SN LANDED @ ' KB  
 EOT LANDED @ ' KB

PBTD @ 5523' KB  
 TD @ 5600' KB



Monument State 13-16-9-17B  
 NW SW Sec. 16, T9S, R17E  
 1980' FSL & 660' FWL  
 Lease No. ML-3453-B  
 Monument Butte Field (Beluga Unit)  
 Duchesne County, Utah

Elev.GR - 5309' GL  
 Elev.KB - 5319' KB (10' KB)

Proposed Injection Wellbore Diagram

DATE : 3/22/96 JZ

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 250'  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs

260' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 5563.21'  
 DEPTH LANDED: 5573.21' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: Lead - 165 sxs super "G" -  
 47#/sx + 3#/sx poz + 34#/sx  
 BA-91 + 3% salt + 2% gel +  
 2#/sx HiSeal2 + 1/4#/sx  
 cello seal. Tail - 435 sxs  
 50/50 poz + 2% gel +  
 1/4#/sx cello seal + 2#/sx  
 HiSeal2.

CEMENT TOP AT: 1550' KB

Uinta Formation Surface to 1450 ft.

TOC @ 1550' KB

PERFORATION RECORD

3-20-96	Schlumberger	4461' - 4472'	11 Holes	R2
		4558' - 4563'	4 Holes	R5
3-15-96	Schlumberger	5276' - 5288'	4 SPF	B1

Green River Formation 1450 to 5400 ft.

Arrow Set-1 Packer  
 Set @ 4400' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" / j-55 / 6.5#  
 NO. OF JOINTS: 4384.9 ft  
 SEATING NIPPLE: 2-7/8" X 1.1'  
 ARROW SET 1 PACKER: 5-1/2" X 4'  
 PACKER LANDED AT: 4400' KB

4461' - 4472'

4558' - 4563'

5276' - 5288'

Douglas Creek Member 4550 to 5400 ft.  
 Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5523' KB  
 TD @ 5600' KB

Wasatch Formation 5950 ft.



Monument State 13-16-9-17B  
 NW SW Sec. 16, T9S, R17E  
 1980' FSL & 660' FWL  
 Lease No. ML-3453-B  
 Monument Butte Field (Beluga Unit)  
 Duchesne County, Utah

Elev.GR -5309' GL  
 Elev.KB - 5319' KB (10' KB)

DATE : 3/22/96 JZ

**Proposed Plugging & Abandonment Diagram**

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 250'  
 DEPTH LANDED: 260' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs

260' KB

Permanent P&A marker w/ identifying well information.

**Plug No.2 Surface to 360 ft.**  
 Perforate csg at 100 ft below  
 the surface csg shoe & circulate  
 100 sx of Class-G Cement

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 5563.21'  
 DEPTH LANDED: 5573.21' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: Lead - 165 sxs super "G" -  
 47#/sx + 3#/sx poz + 34#/sx  
 BA-91 + 3% salt + 2% gel +  
 2#/sx HiSeal2 + 1/4#/sx  
 cello seal. Tail - 435 sxs  
 50/50 poz + 2% gel +  
 1/4#/sx cello seal + 2#/sx  
 HiSeal2.

CEMENT TOP AT: 1550' KB

Uinta Formation Surface to 1450 ft.

TOC @ 1550' KB

PERFORATION RECORD

3-20-96	Schlumberger	4461' - 4472'	11 Holes	R2
		4558' - 4563'	4 Holes	R5
3-15-96	Schlumberger	5276' - 5288'	4 SPF	B1

Green River Formation 1450 to 5400 ft.

PLUGGING PROCEDURE

Enter the well w/tbg and wash to TD. If the well is not dead, circulate mud with sufficient weight to kill the well. Pump a balanced cement plug using 260 sacks across the Douglas Creek Member of the Green River Formation from TD to at least 300 ft above the upper most perms. The production csg will be perforated for two feet using 4 SPF at a point 100 ft below the surface csg shoe. Circulation will be established to surface and cement will be circulated to fill the production csg & the annulus from the perforations to surface using 100 sx of class-G cement. The top of the second cement plug will be at the surface & the bottom will be 100 ft below the surface csg shoe. A P&A marker will be set to identify the location.



4461' - 4472'

**Plug No.1 TD to 4161 ft.**  
 260 sx of Class-G Cement

4558' - 4563'

5276' - 5288'

Douglas Creek Member 4550 to 5400 ft.  
 Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5523' KB  
 TD @ 5600' KB

Wasatch Formation 5950 ft.