

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.
 9-11-97 CONFL EXP: 971219 equitable to Inland eff. 9-30-97:

DATE FILED JULY 1, 1996
 LAND: FEE & PATENTED STATE LEASE NO. ML-45555 PUBLIC LEASE NO. INDIAN
 DRILLING APPROVED: JULY 15, 1996
 SPUDDED IN: SEPTEMBER 4, 1996
 COMPLETED: 9.19.96 W/W PUT TO PRODUCING:
 INITIAL PRODUCTION:
 GRAVITY API:
 GOR:
 PRODUCING ZONES: 4074-4931' grrv
 TOTAL DEPTH: 5450'
 WELL ELEVATION: 5074' ML
 DATE ABANDONED:
 FIELD: MONUMENT BUTTE
 UNIT:
 COUNTY: DUCHESNE
 WELL NO. MONUMENT STATE 11-2-9-17CD API NO. 43-013-31685
 LOCATION 634 FNL FT. FROM (N) (S) LINE. 863 FWL FT. FROM (E) (W) LINE. NW NW 1/4 - 1/4 SEC. 2

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	17E	2	Inland Prod. Co. EQUITABLE RESOURCES

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	Ouray
Green River	Frontier	Phosphoria	Elbert
<i>Horsebench</i>	<i>1468</i> Dakota	Park City	McCracken
<i>2nd garden gulch</i>	<i>2340</i> Burro Canyon	Rico (Goodridge)	Aneth
<i>Yellow mkr</i>	<i>3939</i> Cedar Mountain	Supai	Simonson Dolomite
<i>Dick</i>	<i>4551</i> Buckhorn	Wolfcamp	Sevy Dolomite
<i>2nd Dick</i>	<i>4718</i> JURASSIC	CARBON I FEROUS	North Point
<i>green mkr</i>	<i>4964</i> Morrison	Pennsylvanian	SILURIAN
<i>black shale</i>	<i>5117</i> Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		



EQUITABLE RESOURCES
ENERGY COMPANY

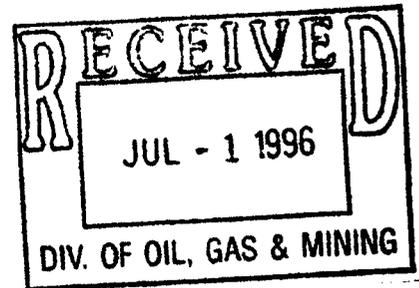
WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102

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

June 28, 1996

**State of Utah
Division of Oil, Gas, & Mining
355 W. North Temple
Salt Lake City, UT 84180**



Gentlemen:

**RE: Monument State #11-2-9-17CD
NW NW Section 2, T9S, R17E
Uintah County, Utah**

Enclosed is our application for permit to drill for the subject well. I will forward a copy of the Archeological and Paleontology reports as soon as they are received in this office.

As operator, we request that the status be held tight for the maximum period allowed by state regulations.

If you have any questions or require additional information please contact me.

Sincerely,

**Molly Conrad
Operations Secretary**

/mc

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

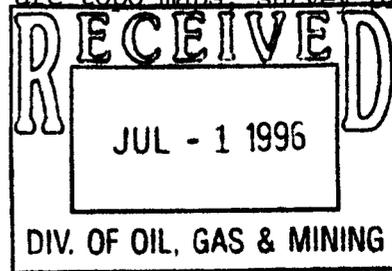
1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. Lease Designation and Serial Number: State ML-45555
B. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: n/a
2. Name of Operator: Equitable Resources Energy Company		7. Unit Agreement Name: n/a
3. Address and Telephone Number: 1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860		8. Farm or Lease Name: Monument State
4. Location of Well (Footages) At Surface: NW NW Section 2, T9S, R17E 634' FNL & 863' FWL At Proposed Producing Zone: 143 263		9. Well Number: #11-2-9-17CD
14. Distance in miles and direction from nearest town or post office: Approximately 15.2 miles NW of Myton, Utah.		10. Field and Pool, or Wildcat: Monument Butte/Green River
15. Distance to nearest property or lease line (feet):		11. Ctr/Qt, Section, Township, Range, Meridian: NW NW Section 2, T9S, R17E
16. Number of acres in lease:		12. County: Uintah Duchesne
17. Number of acres assigned to this well:		13. State: UTAH
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):		19. Proposed Depth: 6,200'
20. Rotary or cable tools: Rotary		21. Elevations (show whether DF, RT, GR, etc.): 1070' GL
22. Approximate date work will start: August 1, 1996		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see attached Drilling Program and 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 on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Operator intends to drill this well in accordance with the attached: Drilling Program/ Casing Design, Geologic Prognosis. Also attached are topo maps, survey plat, and cut and fill diagram.



24. Name & Signature: Molly Conrad *Molly Conrad* Title: Operations Secretary Date: 6-28-96

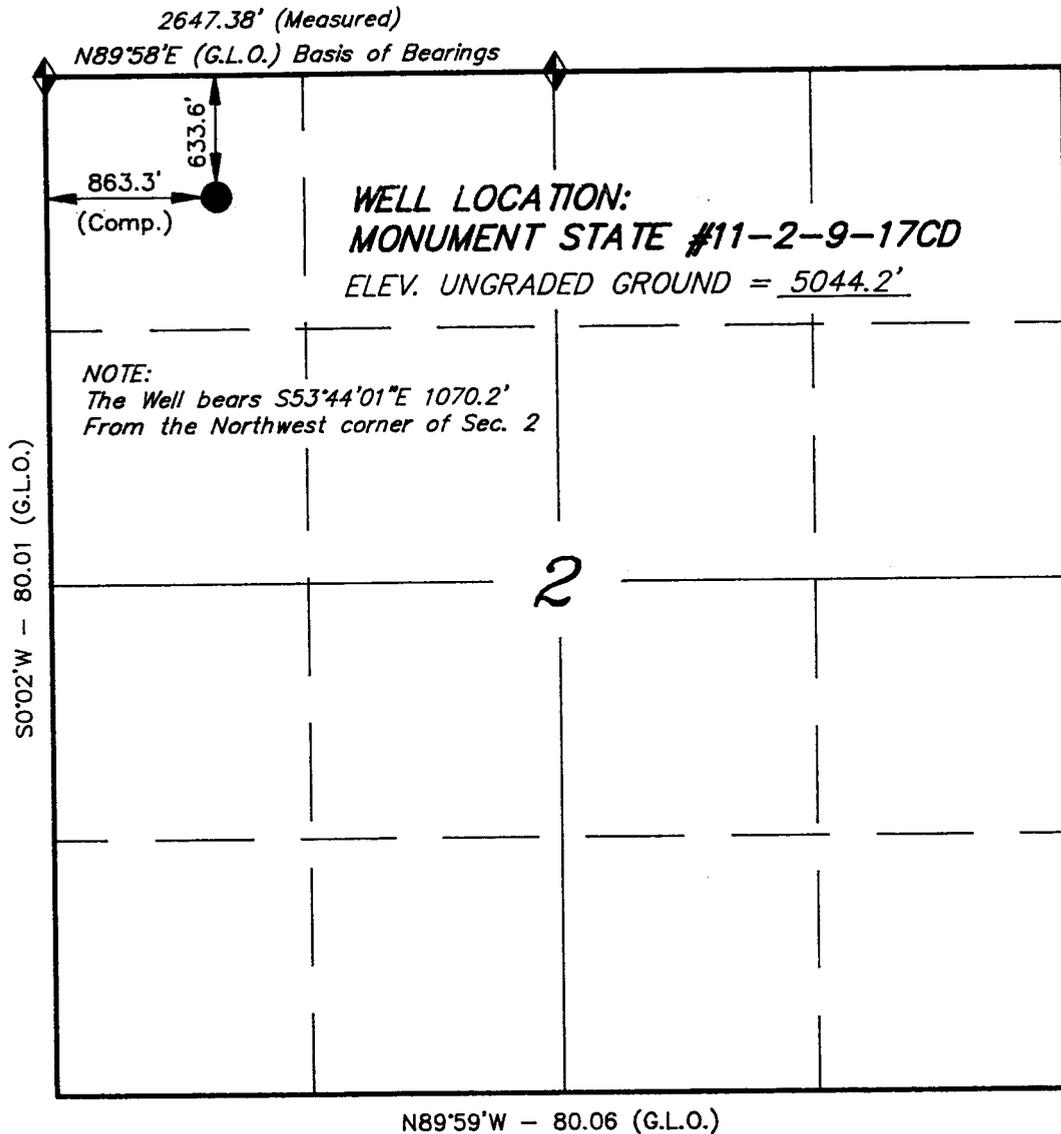
space for State use only: *J. Matthews* Petroleum Engineer 7/15/96

API Number Assigned: 43-013-31685 Approval: _____

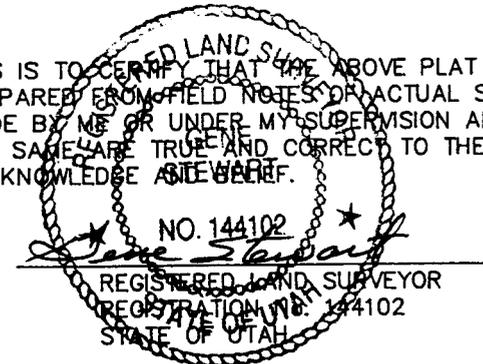
T9S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, MONUMENT STATE #11-2-9-17CD, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

TRI STATE LAND SURVEYING & CONSULTING

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

SCALE: 1" = 1000'	SURVEYED BY: G.S. S.S.
DATE: 5-17-96	WEATHER: WARM
NOTES:	FILE #



EQUITABLE RESOURCES
ENERGY COMPANY
BALCRON OIL DIVISION

DRILLING PROGRAM

WELL NAME: Monument State #11-2-9-17
 PROSPECT/FIELD: Castle Draw Unit
 LOCATION: NW/NW Section 2 Twn.9S Rge.17E
 COUNTY: Duchesne
 STATE: Utah

DATE: 06-10-96

TOTAL DEPTH: 5450

HOLE SIZE	INTERVAL
12 1/4"	Surface to 260'
7 7/8"	260' to 5450'

CASING	INTERVAL		CASING		
	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	5450'	5 1/2"	15.50	K55

CEMENT PROGRAM

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

PRELIMINARY DRILLING FLUID PROGRAM

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

COMMENTS

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

EQUITABLE RESOURCES ENERGY COMPANY

Operator: EREC	Well Name: Monument State 11-2C
Project ID:	Location: Duchesne / Utah

Design Parameters:

Mud weight (8.80 ppg) : 0.457 psi/ft
 Shut in surface pressure : 1946 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

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

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	5,450	5-1/2"	15.50	K-55	ST&C	5,450	4.825	
	Collapse Load Strgth (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth (kips)	S.F.
1	2491	4040	1.622	2491	4810	1.93	84.48 222 2.63 J	

Prepared by : *McCoskery, Billings, Montana*

Date : 06-11-1996

Remarks :

Design is for a Production string.

Minimum segment length for the 5,450 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,491 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)

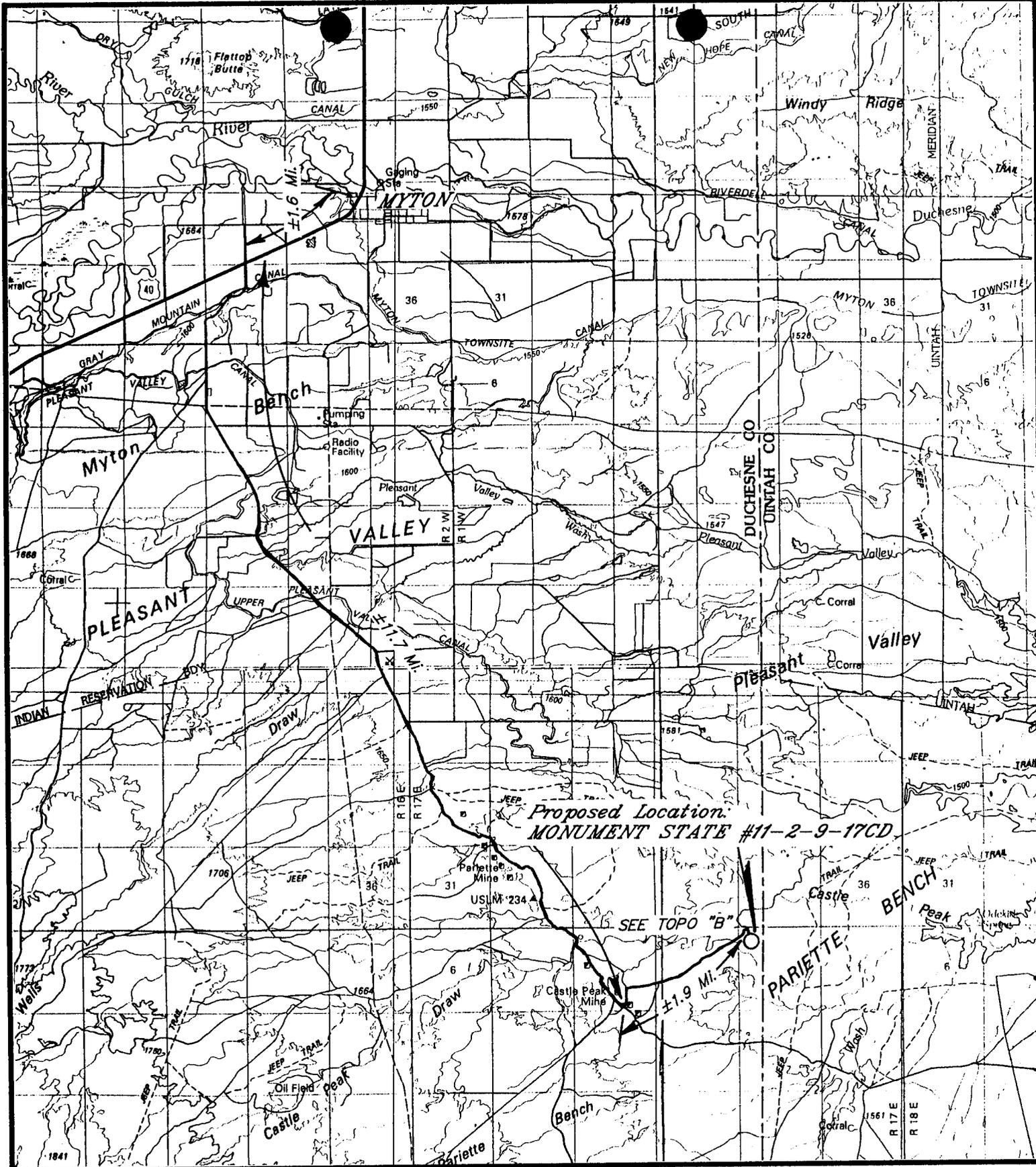


Well Prognosis

Well Name MONUMENT STATE #11-2-9-17				Control Well			
Location NW/NW SEC. 2-T9S-R17E (634' FNL, 863' FWL)				Operator EREC			
County/State DUCHESNE COUNTY, UTAH				Well Name BMS 21-2			
Field MON. BUTTE		Well Type DEV.		Location NE/NW SEC. 2-T9S-R17E			
GL (Ung) 5044	EST. KB 5053	Total Depth 5450		KB 5026			

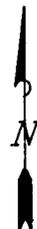
Formation	Prognosis		Sample Top		Control Well	High/Low		
	Depth	Datum	Depth	Datum	Datum	Prog	Control	Deviation
UINTA	surface							
GREEN RIVER	1793	3560			3550			
HORSEBENCH SS	2354	2699			2689			
2ND GARDEN GULCH	3943	1110			1100			
Y-2 (PAY)	4249	804			794			
YELLOW MARKER	4551	502			492			
DOUGLAS CREEK MKR	4713	340			330			
R-2 (PAY)	4786	267			257			
R-5 (PAY)	4925	123			113			
2ND DOUGLAS CREEK	4965	88			78			
GREEN MARKER	5115	-62			-72			
G-4 (PAY)	5249	-196			-206			
BLACK SHALE FACIES	5398	-345			-355			
TD	5450				-504			

Samples 50' FROM 1700' TO 4000' 30' FROM 4000' TO TD 5' THROUGH EXPECTED PAY 5' THROUGH DRILLING BREAKS	DST,s DST #1 NONE DST #2 _____ DST #3 _____ DST #4 _____	Wellsite Geologist Name: _____ From: _____ To: _____ Address: _____ Phone # _____ wk. _____ hm. Fax # _____	
Logs _____ _____ _____ _____ _____	Cores Core #1 _____ Core #2 _____ Core #3 _____ Core #4 _____	Mud Logger Company: NORTHWEST From: 1600 To: TD Type: 2-MAN Logger: _____ Phone # _____ Fax # _____	
Comments: _____ _____ _____			
Report To: 1st Name: DAVE BICKERSTAFF 2nd Name: KEVEN RIENSCHMIDT Prepared By: DAVE BICKERSTAFF	Phone # (406)259-7860 Phone # (406)259-7860 Phone # (406)259-7860	wk. (406)245-2261 wk. (406)248-7026 wk.	hm. hm. hm.

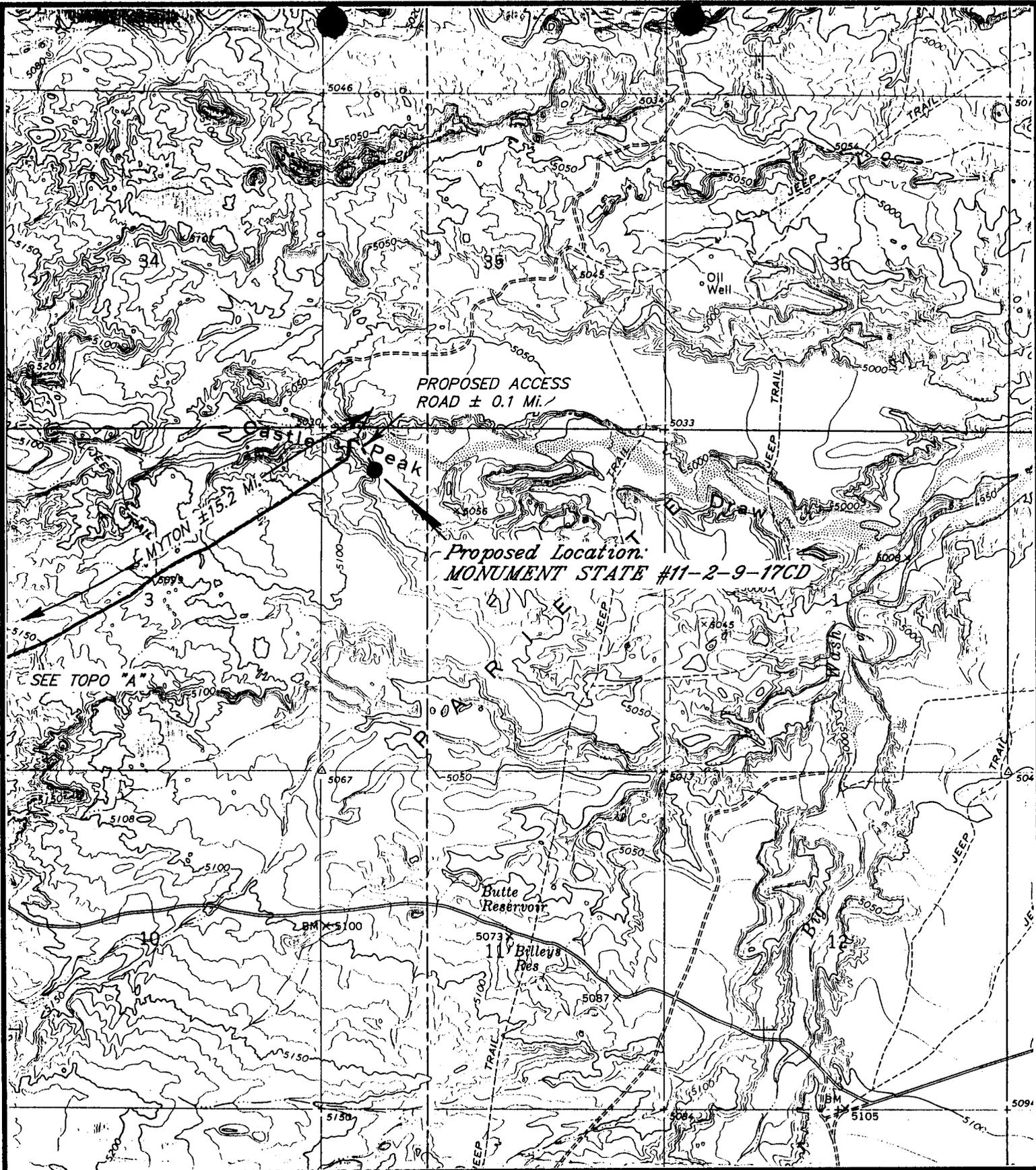


EQUITABLE RESOURCES CO.

MONUMENT STATE #11-2-9-17CD
 SECTION 2, 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.

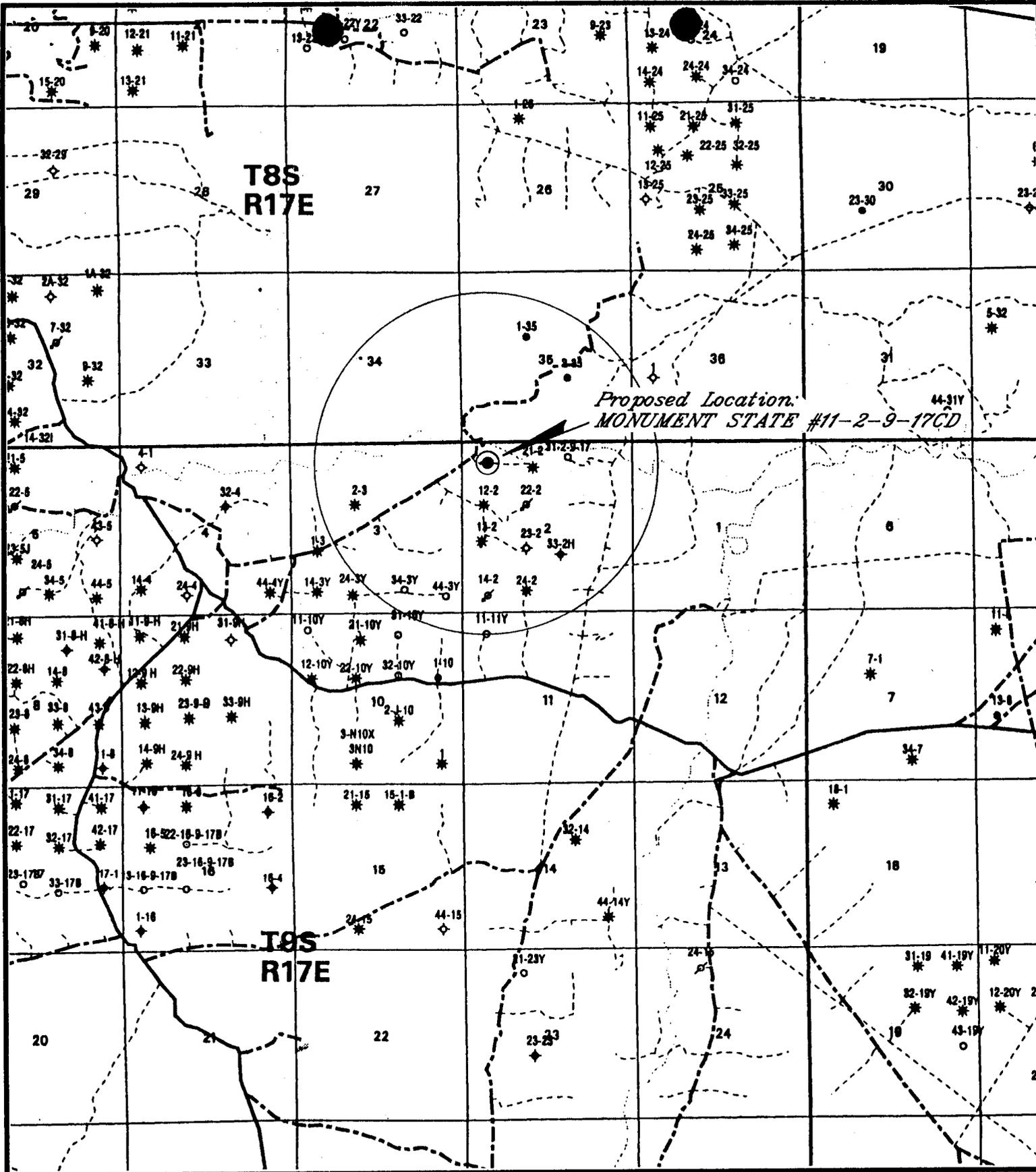
MONUMENT STATE #11-2-9-17CD
 SECTION 2, T9S, R17E, S.L.B.&M.
 TOPO "B"



SCALE: 1" = 2000'

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Land Surveying, Inc.
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38 WEST 100 NORTH VERNAL, UTAH 84078



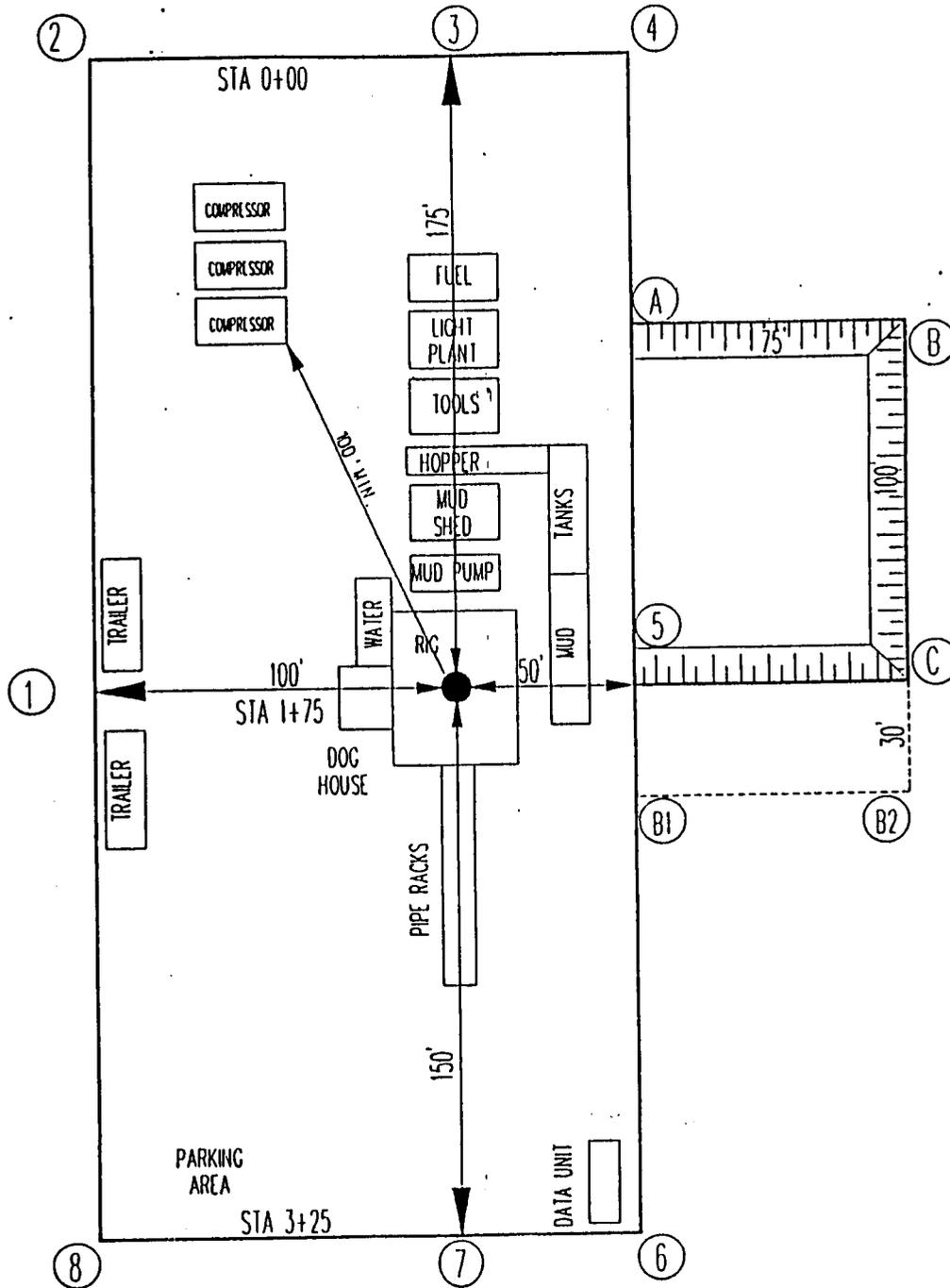
EQUITABLE RESOURCES CO.

*MONUMENT STATE #11-2-9-17CD
 SECTION 2, T9S, R17E, S.L.B.&M.
 TOPO "C"*



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 38 WEST 100 NORTH VERNAL, UTAH 84078

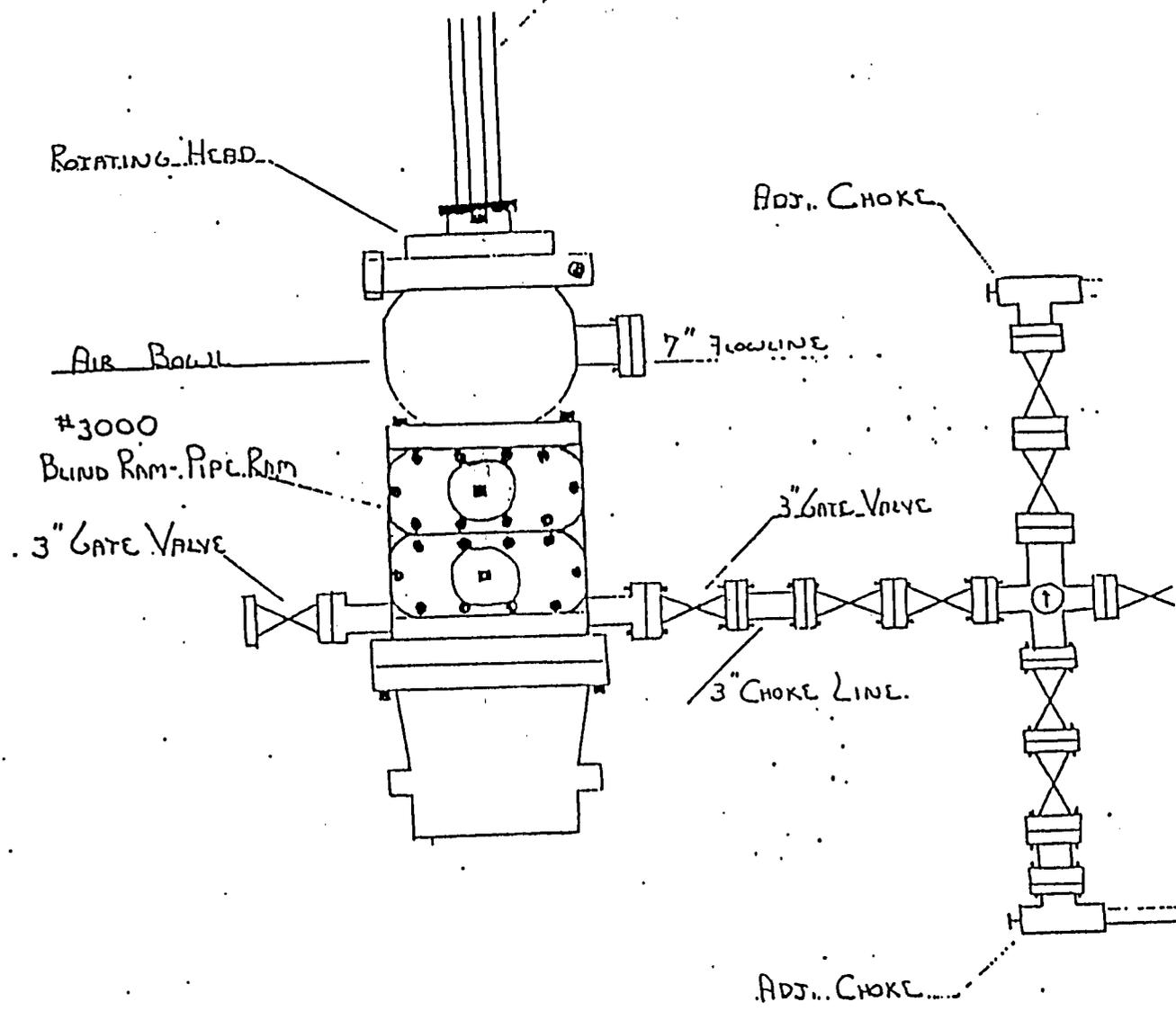
EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT



TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERMILION, UTAH 84078
801-781-2501

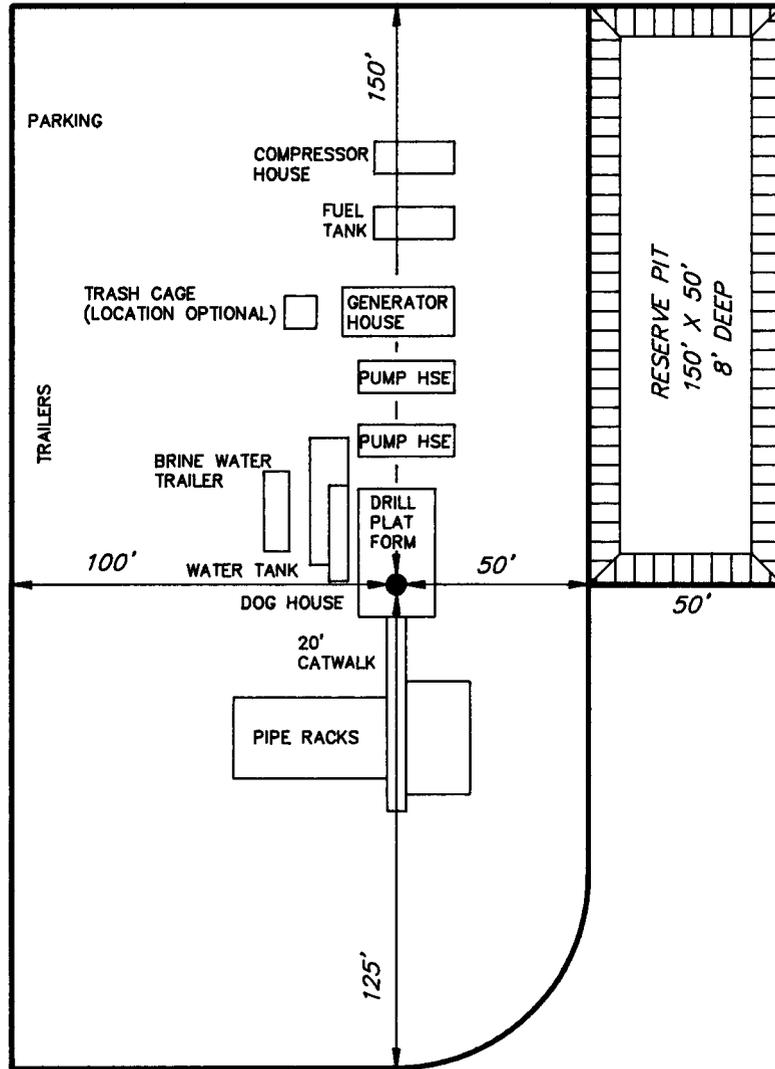
UNION DRILLING RIG #17

Hex Kelly -



#3000 STACK

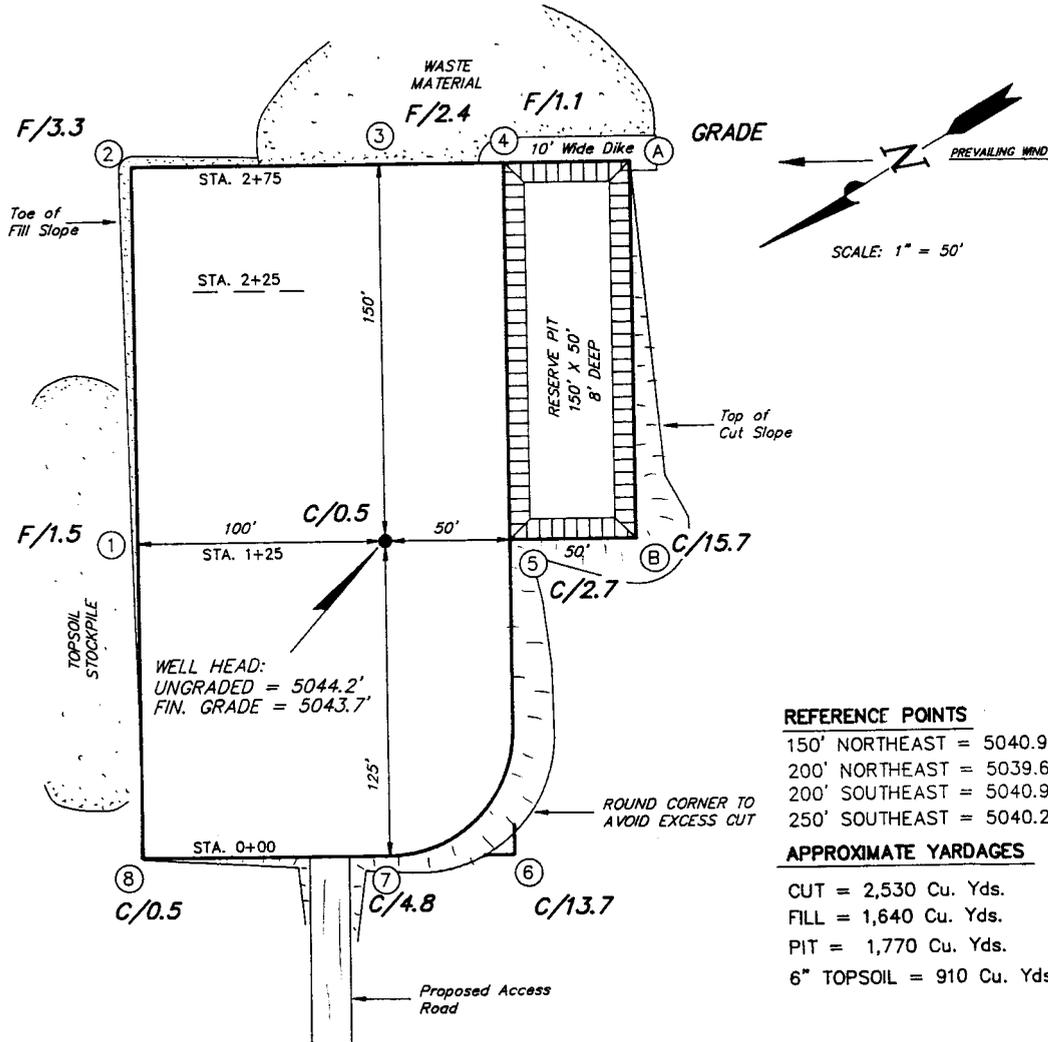
TYPICAL RIG LAYOUT
MONUMENT STATE #11-2-9-17CD



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

EQUITABLE RESOURCES ENERGY CO.

MONUMENT STATE #11-2-9-17CD
SEC. 2, T9S, R17E, S.L.B.&M.

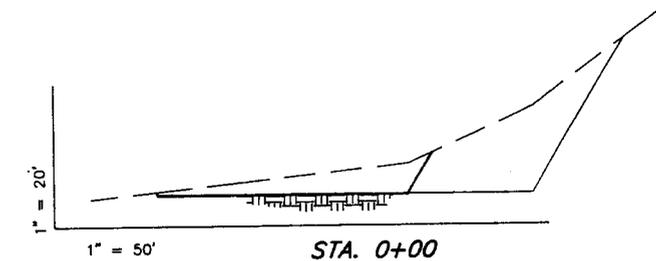
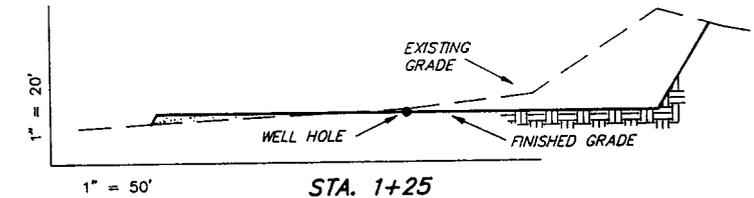
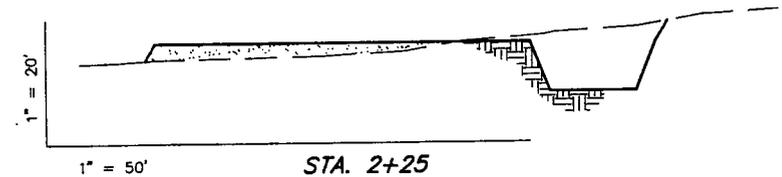
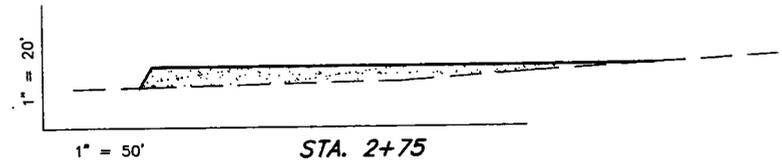


REFERENCE POINTS

- 150' NORTHEAST = 5040.9'
- 200' NORTHEAST = 5039.6'
- 200' SOUTHEAST = 5040.9'
- 250' SOUTHEAST = 5040.2'

APPROXIMATE YARDAGES

- CUT = 2,530 Cu. Yds.
- FILL = 1,640 Cu. Yds.
- PIT = 1,770 Cu. Yds.
- 6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S. D.S.
DRAWN BY: J.R.S.
DATE: 5-17-96
SCALE: 1" = 50'
FILE:

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

MA June 17

NOTICE OF STAKING

41250
6900

1. OIL WELL GAS WELL OTHER

2. LEASE NUMBER:

3. NAME & ADDRESS OF OPERATOR:

State Lease #ML-455555

4. UNIT AGREEMENT NAME:

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

57750

n/a

5. NAME OF CONTACT PERSON:

6. FARM OR LEASE NAME:

Bobbie Schuman
Regulatory and Environmental Specialist
(406) 259-7860, extension 240

Monument State

7. SURFACE LOCATION OF WELL SITE:

8. WELL NUMBER:

NW NW Section 2, T9S, R17E
634' FNL, 863' FWL

9500

#11-2-9-17CD

9. FIELD/WILDCAT NAME:

Monument Butte

10. LOCATION ELEVATION:

11. DISTANCES, SECTION, TOWNSHIP & RANGE:

1070.2' GL

NW NW section 2, T9S, R17E
634' FNL, 863' FWL

12. FORMATION OBJECTIVE:

13. ESTIMATED WELL DEPTH:

14. COUNTY/STATE:

Green River

6,200'

Duchesne County, UTAH

15. SURFACE OWNER'S NAME & ADDRESS:

State of Utah
355 West North Temple
Salt Lake City; UT 84180

16. ADDITIONAL INFORMATION:

ORIGINAL TO: Utah Division of Oil, Gas and Mining

Dan Farnsworth of our Vernal area will be in touch to set up an onsite.

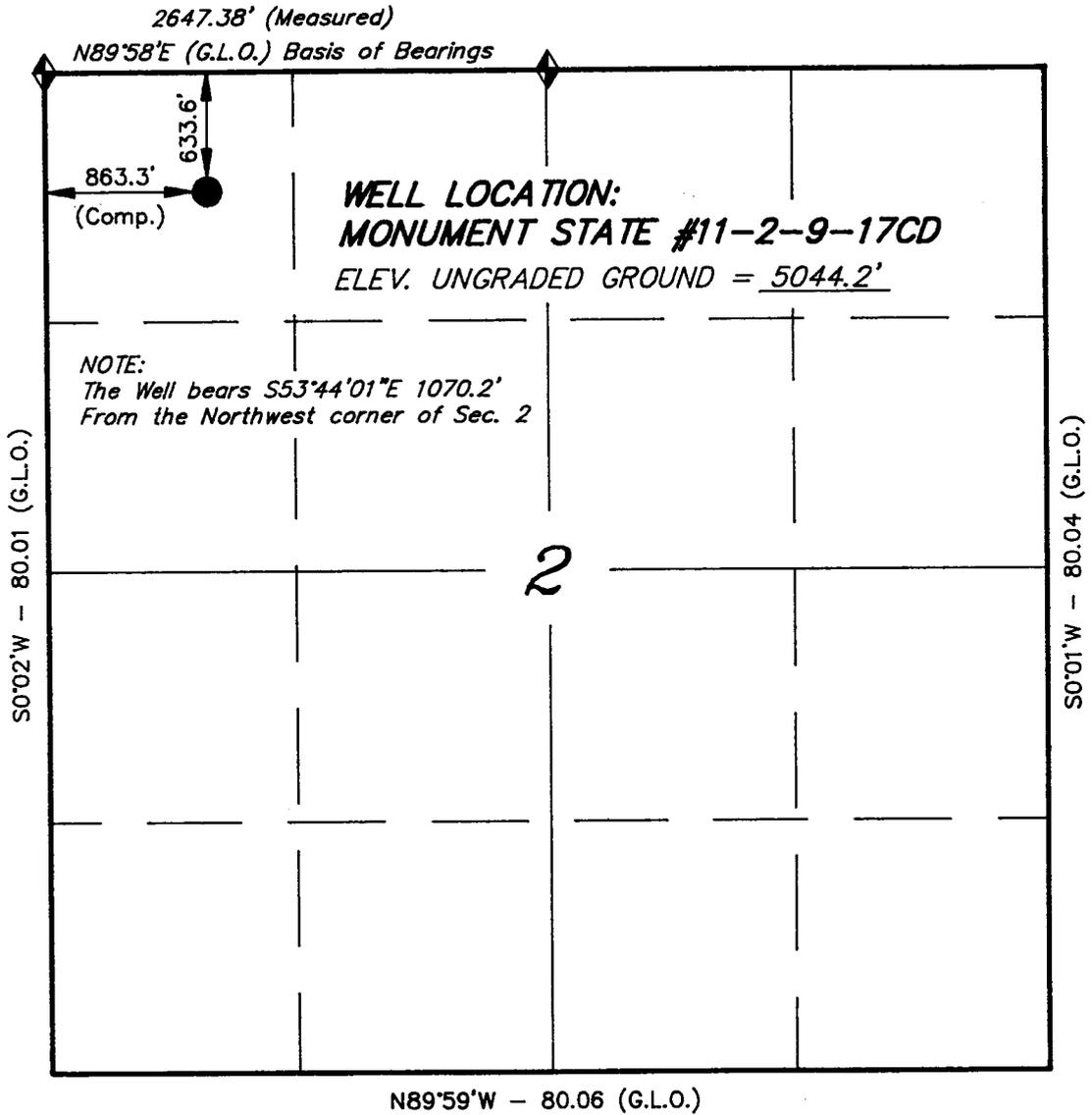
17. SIGNED Bobbie Schuman

TITLE Regulatory and Environmental Specialist

DATE May 21, 1996

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

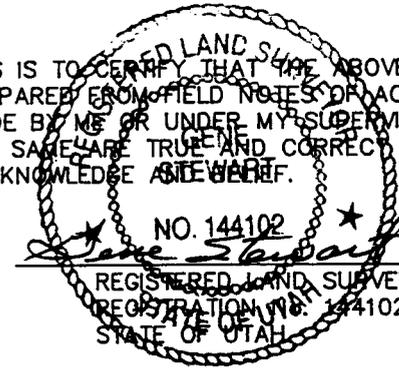
EQUITABLE RESOURCES ENERGY CO.



WELL LOCATION, MONUMENT STATE #11-2-9-17CD, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

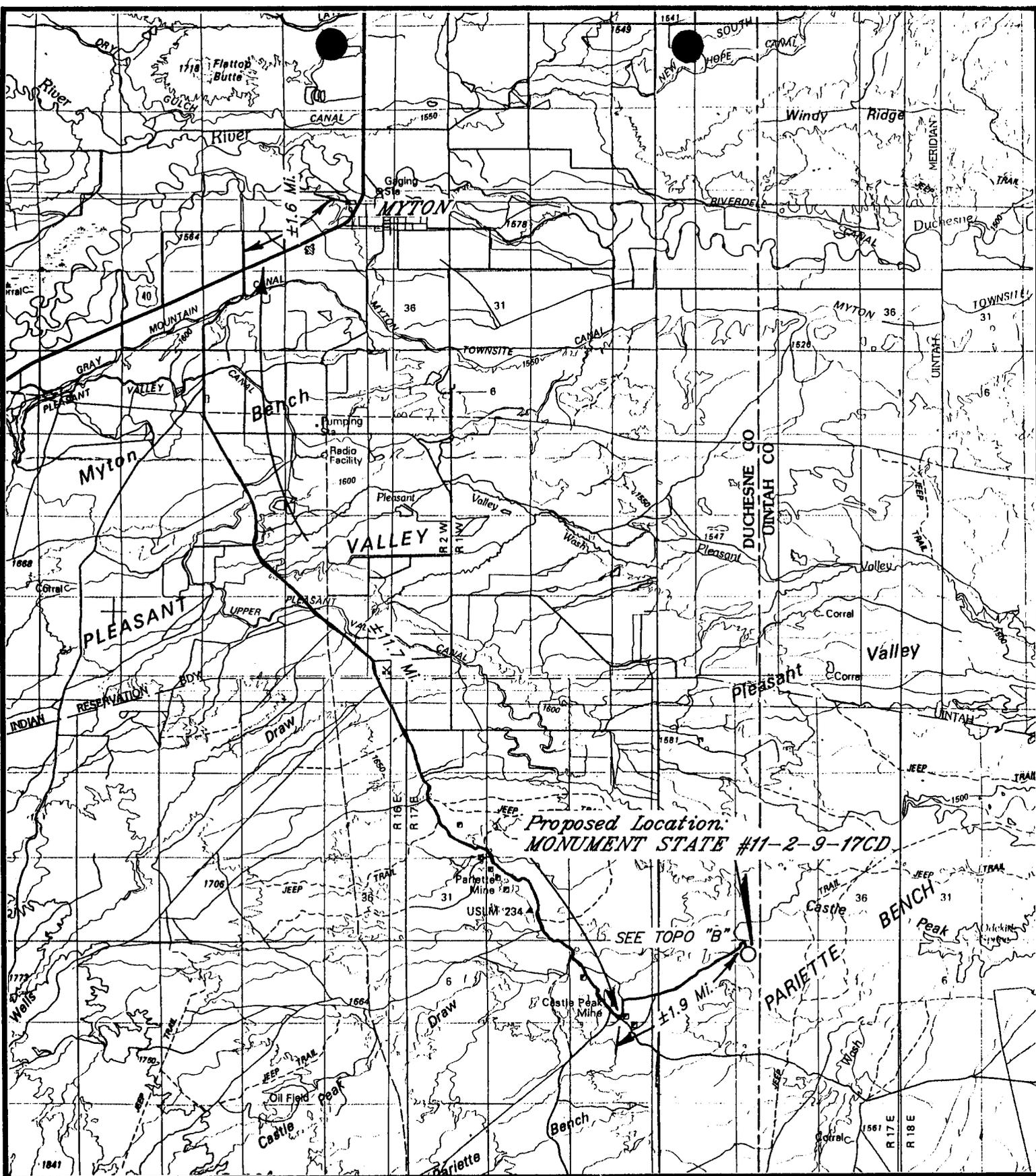


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



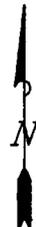
◆ = SECTION CORNERS LOCATED
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

TRI STATE LAND SURVEYING & CONSULTING	
38 WEST 100 NORTH - VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: G.S. S.S.
DATE: 5-17-96	WEATHER: WARM
NOTES:	FILE #

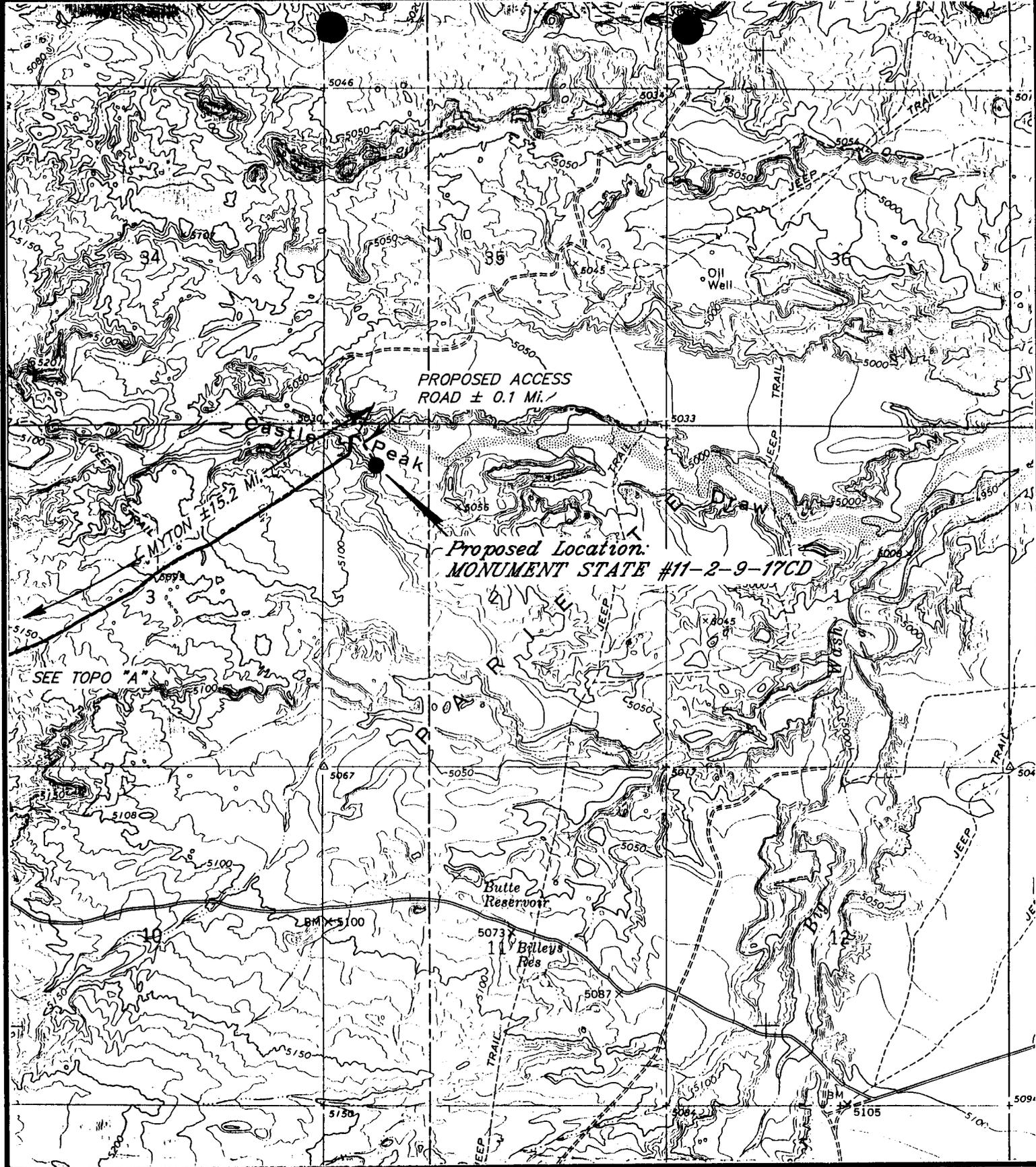


EQUITABLE RESOURCES CO.

MONUMENT STATE #11-2-9-17CD
 SECTION 2, T9S, R17E, S.L.B.&M.
 TOPO "A"

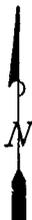


Tri State
Land Surveying, Inc.
 (801) 781-2501
 38 WEST 100 NORTH VERNAL, UTAH 84078



EQUITABLE RESOURCES CO.

**MONUMENT STATE #11-2-9-17CD
SECTION 2, 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

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/01/96

API NO. ASSIGNED: 43-013-31685

WELL NAME: MONUMENT STATE 11-2-9-17CD
 OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:
 NWNW 02 - T09S - R17E
 SURFACE: 0634-FNL-0863-FWL
 BOTTOM: 0634-FNL-0863-FWL
 DUCHESNE COUNTY
 MONUMENT BUTTE FIELD (105)

INSPECT LOCATION BY: 07/15/96		
TECH REVIEW	Initials	Date
Engineering		
Geology	A	7-11-96
Surface		

LEASE TYPE: STA
 LEASE NUMBER: ML - 45555

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal State Fee
 (Number _____)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit
 (Number _____)
- RDCC Review (Y/N)
 (Date: _____)

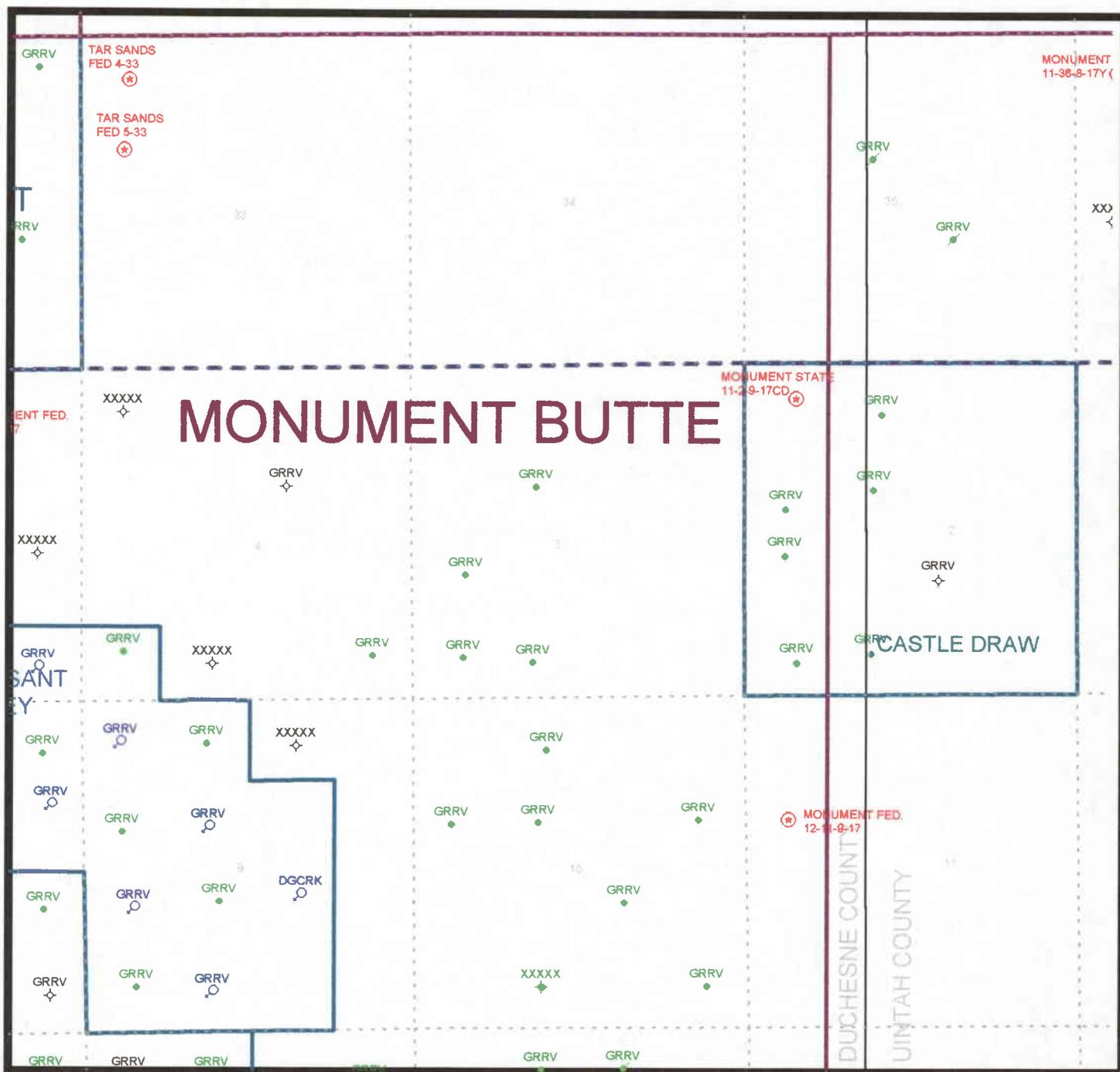
LOCATION AND SITING:

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

COMMENTS: _____

STIPULATIONS: _____

EQUITABLE RESOURCES DEVELOPMENT DRILLING SEC. 2, T9S, R17E, DUCHESNE, COUNTY UAC R649-3-2



PREPARED:
DATE: 2-JULY-96

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: EQUITABLE RESOURCES ENERGY COMPANY

WELL NAME & NUMBER: MONUMENT STATE #11-2-9-17

API NUMBER: 43-013-31685

LEASE: ML-455555 FIELD/UNIT: MONUMENT BUTTE

LOCATION: 1/4, 1/4 NW/NW Sec: 2 TWP: 9S SRNG: 17E 634' FNL 863' FWL

LEGAL WELL SITING: ___ F SEC. LINE; ___ F 1/4, 1/4 LINE; ___ F ANOTHER WELL.

GPS COORD (UTM): 586950E; 4435371N

SURFACE OWNER: STATE LANDS

PARTICIPANTS

DANNY FARNSWORTH (EQUITABLE RESOURCES); GENE STEWARD (SURVEYOR);
DENNIS L INGRAM (DOGM REPRESENTATIVE)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS SET IN DESERT HABITAT ALONG WESTERN PORTION OF CASTLE PEAK
DRAW. LOCATION BENDS AROUND CONTOUR OF ROCKY OUTCROPPING THAT MAKES
UP THE WASHES' WEST WALL. LOCATION DIPS SLIGHTLY TOWARD THE
NORTHEAST.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND DOMESTIC GRAZING BY SHEEP.

PROPOSED SURFACE DISTURBANCE: A NEW ROAD CONSISTING OF 550 FEET PLUS
LOCATION DIMENSIONS OF 275' X 150'. TEMPORARY RESERVE PIT WILL CONSUME
ANOTHER 150' X 50'. PROJECT WILL UTILIZE APPROXIMATELY 1.4 ACRES

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 14 WELLS: 1-35; 2-35;
2-3; 34-3Y; 44-3Y; 21-2; 31-2; 12-2; 22-2; 11-2; 23-2; 33-2H; 14-2;
24-2.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: PRODUCTION FACILITIES
SHALL BE LOCATED ON LEASE WITH A GAS SALES LINE LEAVING LEASE AND
COMMINGLING WITH LOW PRESSURE GAS SYSTEM USED BY OTHER WELLS IN AREA.

SOURCE OF CONSTRUCTION MATERIAL: NATIVE, CUT AND FILL AS NEEDED.

ANCILLARY FACILITIES: NONE REQUIRED

WASTE MANAGEMENT PLAN:

AS STATED IN APD (OPERATOR REPRESENTATIVE DIDN'T KNOW)

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NO

FLORA/FAUNA: GREASEWOOD, RABBIT BRUSH, PRICKLY PEAR CACTUS. RABBITS, RODENTS, SMALL BIRDS, RAPTORS, COYOTE AND ANTELOPE.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN TO TAN FINE GRAINED SAND.

SURFACE FORMATION & CHARACTERISTICS: UINTA FORMATION OF UPPER EOCENE

EROSION/SEDIMENTATION/STABILITY: EVIDENCE OF EROSION; SOME SEDIMENTATION; DON'T ANTICIPATE ANY STABILITY PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 50'X 150'X 8' DEEP, UPWIND FROM PREVAILING WIND.

LINER REQUIREMENTS (Site Ranking Form attached): 25 POINTS

SURFACE RESTORATION/RECLAMATION PLAN

AS REQUIRED BY STATE LANDS AT TIME OF RECLAMATION.

SURFACE AGREEMENT: AS REQUIRED BY STATE LANDS

CULTURAL RESOURCES/ARCHAEOLOGY: ORDERED, BUT NOT REVIEWED BY INSPECTOR.

OTHER OBSERVATIONS/COMMENTS:

PIT CORNER #6 WILL BE ROUNDED TO AVOID CUTTING INTO ROCKY OUTCROPPING ON WASH WALL. DIDN'T CONTACT WATER RIGHTS FOR ANY POTENTIAL WATER WELLS IN AREA...DANNY EXPLAINED THAT THEY ALWAYS LINE THE PIT BECAUSE OF POTENTIAL GROUND SEEPAGE IN THIS AREA. I DID NOT VERIFY ARCH CLEARANCE. WATER WILL BE PROVIDED BY JOE SHIELDS OR KENNY RICHINS, FROM THEIR OWN PRIVATE WATER SOURCES.

ATTACHMENTS

PHOTOS OF PROPOSED LEASE SITE BEFORE ACTIVITY.
STATEMENT OF BASIS

DENNIS L INGRAM
DOGM REPRESENTATIVE

6/18/96 1:25 PM
DATE/TIME

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

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200		
75 to 100	5	
25 to 75	10	
<25 or recharge area	15	5 _____
	20	
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	0 _____
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	0 _____
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	_____ 0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	_____ 10
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud	15	
Fluid containing significant levels of hazardous constituents	20	_____ 10
Drill Cuttings		
Normal Rock	0	_____ 0
Salt or detrimental	10	
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	_____ 0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	_____ 0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	_____ 0
 <u>Final Score</u>		 <u>25 POINTS</u>

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: EQUITABLE RESOURCES	Well Name: MON STATE 11-2-9-17C
Project ID: 43-013-31685	Location: SEC. 02 - T09S - R17E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
 Shut in surface pressure : 1904 psi
 Internal gradient (burst) : 0.155 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

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

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,200	5.500	15.50	J-55	ST&C	6,200	4.825
	Collapse Load Strgth (psi) (psi)	S.F.	Burst Load Strgth (psi) (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth (kips) (kips)	S.F.
1	2866	4040	1.410	2866	4810	1.68	96.10 202 2.10 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 07-12-1996
 Remarks :

GREEN RIVER WATERFLOOD

Minimum segment length for the 6,200 foot well is 100 feet.

SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 119°F (Surface 74°F , BHT 161°F & temp. gradient 1.400°/100 ft.)

String type: Production

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

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

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: EQUITABLE RESOURCES ENERGY COMPANY

WELL NAME & NUMBER: MONUMENT STATE #11-2-9-17

API NUMBER: 43-013-

LEASE: ML-455555 FIELD/UNIT: MONUMENT BUTTE

LOCATION: 1/4, 1/4 NW/NW Sec: 2 TWP: 39S, RANG: 17E 634' FNL 863' FWL

LEGAL WELL SITING: ___ F SEC. LINE; ___ F 1/4, 1/4 LINE; ___ F ANOTHER WELL.

GPS COORD (UTM): 586950E; 4435371N

SURFACE OWNER: STATE LANDS

PARTICIPANTS

DANNY FARNSWORTH (EQUITABLE RESOURCES); GENE STEWARD (SURVEYOR);
DENNIS L INGRAM (DOG M REPRESENTATIVE)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS SET IN DESERT HABITAT ALONG WESTERN PORTION OF CASTLE PEAK
DRAW. LOCATION BENDS AROUND CONTOUR OF ROCKY OUTCROPPING THAT MAKES
UP THE WASHES' WEST WALL. LOCATION DIPS SLIGHTLY TOWARD THE
NORTHEAST.

SURFACE USE PLAN

CURRENT SURFACE USE; WILDLIFE AND DOMESTIC GRAZING BY SHEEP.

PROPOSED SURFACE DISTURBANCE; A NEW ROAD CONSISTING OF 550 FEET PLUS
LOCATION DIMENSIONS OF 275' X 150'. TEMPORARY RESERVE PIT WILL CONSUME
ANOTHER 150' X 50'. PROJECT WILL UTILIZE APPROXIMATELY 1.4 ACRES

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS; 14 WELLS; 1-35; 2-35;
2-3; 34-3Y; 44-3Y; 21-2; 31-2; 12-2; 22-2; 11-2; 23-2; 33-2H; 14-2;
24-2.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES; PRODUCTION FACILITIES
SHALL BE LOCATED ON LEASE WITH A GAS SALES LINE LEAVING LEASE AND
COMMINGLING WITH LOW PRESSURE GAS SYSTEM USED BY OTHER WELLS IN AREA.

SOURCE OF CONSTRUCTION MATERIAL; NATIVE, CUT AND FILL AS NEEDED.

ANCILLARY FACILITIES; NONE REQUIRED

WASTE MANAGEMENT PLAN:

AS STATED IN APP (OPERATOR REPRESENTATIVE DIDN'T KNOW)

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NO

FLORA/FAUNA: GREASEWOOD, RABBIT BRUSH, PRICKLY PEAR CACTUS, RABBITS,
RODENTS, SMALL BIRDS, RAPTORS, COYOTE AND ANTELOPE.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN TO TAN FINE GRAINED SAND.

SURFACE FORMATION & CHARACTERISTICS: UINTRA FORMATION OF UPPER EOCENE

EROSION/SEDIMENTATION/STABILITY: EVIDENCE OF EROSION; SOME
SEDIMENTATION; DON'T ANTICIPATE ANY STABILITY PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 50' X 150' X 8' DEEP, UPWIND FROM PREVAILING WIND.

LINER REQUIREMENTS (Site Ranking Form attached): 25 POINTS

SURFACE RESTORATION/RECLAMATION PLAN

AS REQUIRED BY STATE LANDS AT TIME OF RECLAMATION.

SURFACE AGREEMENT: AS REQUIRED BY STATE LANDS

CULTURAL RESOURCES/ARCHAEOLOGY: ORDERED, BUT NOT REVIEWED BY INSPECTOR.

OTHER OBSERVATIONS/COMMENTS

PIT CORNER #6 WILL BE ROUNDED TO AVOID CUTTING INTO ROCKY
OUTCROPPING ON WASH WALL. DIDN'T CONTACT WATER RIGHTS FOR ANY
POTENTIAL WATER WELLS IN AREA. . . DANNY EXPLAINED THAT THEY ALWAYS LINE
THE PIT BECAUSE OF POTENTIAL GROUND SEEPAGE IN THIS AREA. I DID NOT
VERIFY ARCH CLEARANCE. WATER WILL BE PROVIDED BY JOE SHIELDS OR KENNY
RICHINS, FROM THEIR OWN PRIVATE WATER SOURCES.

ATTACHMENTS

PHOTOS OF PROPOSED LEASE SITE BEFORE ACTIVITY.

STATEMENT OF BASIS

DENNIS L INGRAM
DOG M REPRESENTATIVE

6/18/96 1:25 PM
DATE/TIME

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

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	<u>5</u>
<25 or recharge area	20	
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	5	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud	15	
Fluid containing significant levels of hazardous constituents	20	<u>10</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	5	
30 to 50	10	
>50	15	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score

25 POINTS

DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

Operator: EQUITABLE RESOURCE ENERGY COMPANY

Well Name & Number: MONUMENT STATE #11-2-0-17CD

API Number: 49-019-

Location: 1/4, 1/4 NW/NW Sec. 2 T. 08 R. 17E

Geology/Ground Water:

Reviewer: _____ Date: _____

Surface:

The pre-site inspection of the surface has been performed by DOGM field personnel.
All applicable management agencies and landowners were notified and their concerns
accommodated where reasonable and possible. (Telephoned Ed Bonner)

Reviewer: Dennis L. Ingram Date: 6/19/06

Conditions of Approval/Application for Permit to Drill:

1. A 12-mil pit liner shall be required to line reserve pit.
- 2.

DIVISION OF OIL, GAS AND MINING

**APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator: EQUITABLE RESOURCE ENERGY COMPANY

Well Name & Number: MONUMENT STATE #11-2-9-17CD

API Number: 43-013-31685

Location: 1/4,1/4 NW NW Sec. 2 T. 9 S R. 17 E

Geology/Ground Water:

The base of moderately saline water is at a depth of approximately 300-500 feet in the area of the proposed well. The proposed casing and cement program will adequately protect any water encountered.

Reviewer: D. Jarvis

Date: 7/11/96

Surface:

The presite inspection of the surface has been performed by Division field personnel. All applicable management agencies and landowners were notified and their concerns accomodated where reasonable and possible (Ed Bonner of State Lands was notified).

Reviewer: Dennis Ingram

Date: 6/19/96

Conditions of Approval/Application for Permit to Drill:

1. A 12 mil synthetic liner shall be required to line the reserve pit.



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668

July 6, 1996

Subject: **CULTURAL RESOURCE EVALUATION OF TWO
PROPOSED MONUMENT STATE WELL LOCATIONS IN
THE CASTLE PEAK DRAW LOCALITY OF DUCHESNE &
UINTAH COUNTIES, UTAH**

Project: **Equitable Resources Energy Company -- 1996 Development of the
Monument State Units 11-2-9-17 and 32-2-9-17**

Project No.: BLCR-96-6

Permit No.: Dept. of Interior -- UT-96-54937

Project No: UT-96-AF-0365s

To: Equitable Resources Energy Co., Western Region, Attn: Ms. Bobbie Schuman 1601
Lewis Avenue, Billings, Montana 591029

Utah Division of State Lands & Forestry, Attn: Kenney Wintch, 3 Triad Center, Suite
400, 355 West North Temple, Salt Lake City 84180-1204

Info: Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City, Utah
84101

**CULTURAL RESOURCE EVALUATION
OF TWO PROPOSED MONUMENT STATE
WELL LOCATIONS IN THE CASTLE PEAK DRAW
LOCALITY
OF DUCHESNE & UINTAH COUNTIES, UTAH**

Report Prepared for Equitable Resources Energy Company

F. Richard Hauck



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

**CULTURAL RESOURCE EVALUATION
OF TWO PROPOSED MONUMENT STATE WELL LOCATIONS
IN THE CASTLE PEAK DRAW
LOCALITY
OF DUCHESNE & Uintah COUNTIES, UTAH**

Report Prepared for Equitable Resources Energy Company

Dept. of Interior Permit No.: UT-96-54937
AERC Project 1536 (BLCR-96-6)

Utah State Project No.: UT-96-AF-0365s

Principal Investigator
F. Richard Hauck, Ph.D.

Author of the Report
F. Richard Hauck



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

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

July 6, 1996

ABSTRACT

An intensive cultural resource evaluation has been conducted for Equitable Resources Energy Company of two proposed Monument State well locations situated on Utah State administered lands in the Castle Peak Draw locality of Duchesne and Uintah Counties, Utah. This evaluation includes the Monument State Units 11-2-9-17 and 32-2-9-17. This study involved a total of ca. 26 acres; 10 acres are associated with the single ten acre parcel examined around Unit 11-2-9-17 locations and three acres are associated with the extension of the original ten acre survey parcel for the relocation of State Unit 32-2-9-17, a ten acre parcel and ca. .25 mile of access corridor (two acres) are associated with 1994 survey of the access corridor into the original 32-2-9-17 location. The final acre is associated with the .1 mile of access route into Unit 11-2-9-17. These investigations were conducted by F.R. Hauck and assistant Michael Hauck on July 5, 1996.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the two proposed well locations and associated access routes. Site 42UN 2210, a significant prehistoric occupation, has been avoided by the repositioning of State Unit 32-2-9-17 but is susceptible to secondary impact (vandalism) as a result of the proximity of the newly staked well site; terrain conditions on the knoll preclude moving the pad farther away from the resource.

No newly identified historic or prehistoric cultural resource loci were identified and recorded during the inventory.

No isolated artifacts were noted during the evaluations.

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

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GENERAL INFORMATION

On July 5, 1996, AERC archaeologist, F. Richard Hauck assisted by Michael Hauck conducted intensive cultural resource evaluations of two proposed Monument State well locations in the Castle Peak Draw locality of Duchesne and Uintah Counties, Utah (see Map 1). The purpose of this report is to detail the results of these evaluations, which include the Monument State Units 11-2-9-17 and 32-2-9-17 (see Map 2) and associated access routes. Some 26 acres were examined which include 10 acres associated with Unit 2-9-17 well pad parcel, three acres are associated with the extension of the original ten acre survey parcel for the relocation of State Unit 32-2-9-17, and one acre associated with the .1 mile of access route for the 11-2-9-17 location (the present ca. two acre access corridor for the 32-2-9-17 location was previously evaluated by AERC [cf., Hauck and Hadden 1994e]). Both of the proposed well locations (State Units 11-29-17 and 32-2-9-17) are on Utah State lands.

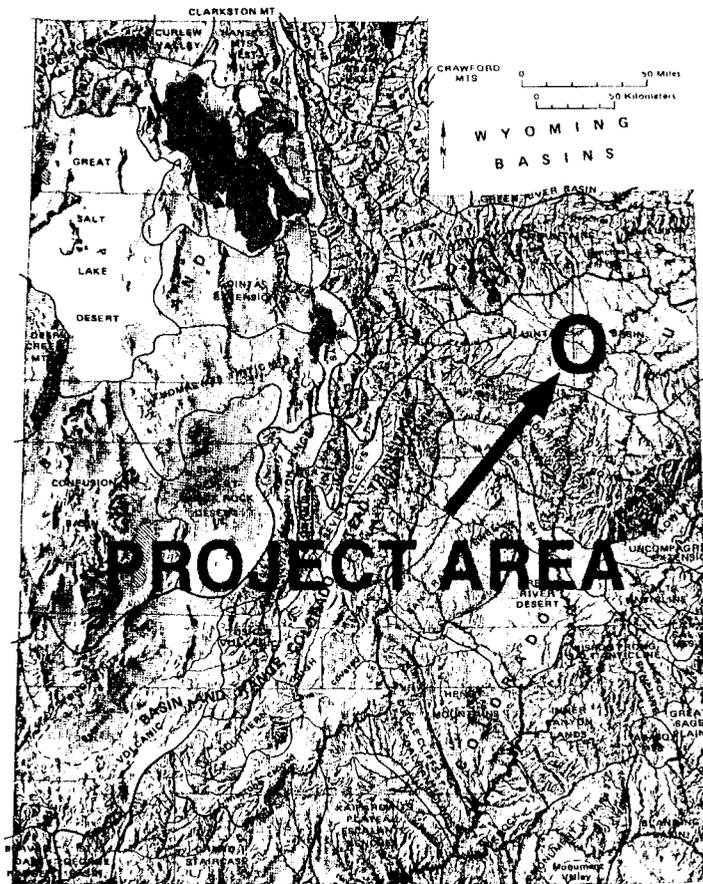
The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and access corridors requires an archaeological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

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

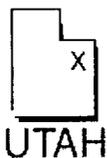
**MAP 1: GENERAL PROJECT LOCALITY
IN
DUCHESNE & UINTAH COUNTIES
UTAH**



PROJECT: BLCR - 96 - 6
SCALE: see below
QUAD: see below
DATE: July 5, 1996



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

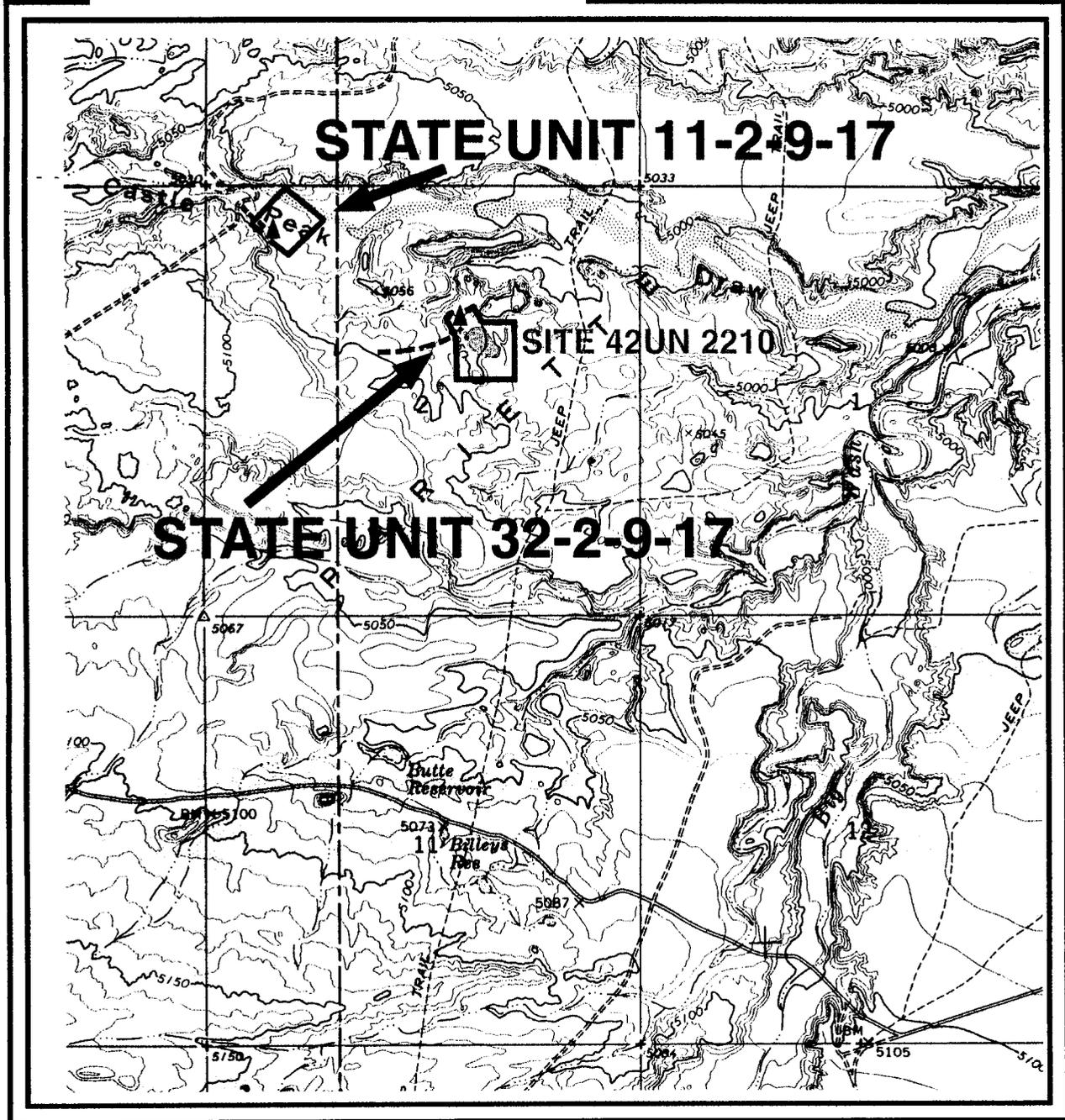


TOWNSHIP: MULTIPLE
RANGE: MULTIPLE
MERIDIAN: SALT LAKE & UINTAH B. & M.

**MAP 2: CULTURAL RESOURCE SURVEY
OF PROPOSED WELL LOCATIONS
(MONUMENT STATE UNITS 32-2 & 11-2)
IN THE CASTLE PEAK DRAW LOCALITY
OF DUCHESNE & Uintah COUNTIES
UTAH**



PROJECT: BLCR - 96 - 6
SCALE: 1: 24,000
QUAD: Pariette Draw SW, Utah
DATE: July 5, 1996



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

LEGEND

- Well Location
- Access Route
- Survey Area
- Pipeline Corridor

Environmental Description

The project area is within the 5000 to 5100 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

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

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

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on July 5, 1996. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

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

Prehistory and History of the Cultural Region

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

Site Potential in the Project Development Zone

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

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

FIELD EVALUATIONS

Methodology

Intensive evaluations of these two locations consisted of the archaeologists walking a series of 15 to 20 meter-wide transects within each ten acre parcel associated with each well pad zone and along a 100 foot-wide corridor centered on the flagged centerline for each of the associated access routes as shown on Map 2. Thus, ca. 26 acres have been inventoried relative to these two proposed well locations. This acreage includes the ten acre parcel and an additional two acres of access route associated with the original well center for Unit 32-2-9-17 which was examined in 1994 (Hauck and Hadden 1994e), an additional three acres were associated with the present relocation site for this well pad, a ten acre parcel was evaluated for proposed Unit 11-2-9-17, and ca. one acre inventoried in association with its .1 mile-long access corridor.

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

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

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

Site Significance Criteria

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

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

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

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

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

Results of the Inventory

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations of the two proposed well location sites and associated access route corridors.

Site 42UN 2210, a significant prehistoric occupation situated in association with the original position for State Unit 42UN 2210 (cf., Hauck and Hadden 1994e) is located adjacent to and outside the present boundaries for the restaked Unit 32-2-9-17. The site's northwestern periphery is ca. 20 meters to the south of the pit stakes for this location. Due to terrain restraints, this well pad can not be repositioned on the knoll any farther from the cultural resource than it is presently staked. To insure that there is no direct impact to this resource during construction, an archaeologist can monitor the development of the well pad and its pit area to insure these operations do not adversely affect site 42UN 2210. However, due to the proximity of the site to the well pad, secondary impact to the site, i.e., vandalism associated with collecting surface artifacts and digging in the collapsed rock shelter, remain a potential threat to the site's contexts, features, and cultural materials. The size of the site and diversity of terrain preclude fencing the resource to insure its protection. This potential for secondary disturbance can possibly be mitigated through a specific protective agreement between the client, Equitable Resources Energy Company, and Utah State officials; otherwise, appropriate archaeological mapping, and test excavation is the only method to document and preserve the integrity of this resource from the threat of vandalism.

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

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

CONCLUSION AND RECOMMENDATIONS

One known cultural resource, site 42UN 2210, is susceptible to adverse effect during the development and operation of the Monument State Unit 32-2-9-17. The development and operation of Monument State Unit 11-2-9-17 poses no threat to any known cultural resources in this locality.

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

1. an archaeologist should monitor the construction of Unit 32-2-9-17 to insure that there is no adverse effect to adjacent site 42UN 2210;
2. the client should resolve the potential for secondary impact to site 42UN 2210 either through a protective agreement with Utah State officials or through appropriate archaeological methods, i.e., mapping and test excavation;
3. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the well pad zones, flagged areas, and corridors examined as referenced in this report, and to the existing roadways;
4. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
5. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



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

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EQUITABLE
ENERGY COMPANY

WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102

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

July 11, 1996

Mr. Mike Hebertson
State of Utah
Division of Oil, Gas & Mining
1594 West North Temple
Box 145801
Salt Lake City, UT 84114-5801

---VIA FEDERAL EXPRESS---

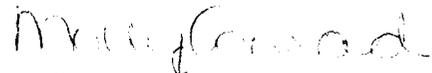
Dear Mike:

RE: Monument State #11-2-9-17CD
NW NW Section 2, T9S, R17E
Uintah County, Utah

Enclosed is the Multi-Point Surface Use and Operations Plan and the Archeological Report for the subject well.

Please contact me if you require any additional information.

Sincerely,



Molly Conrad
Operations Secretary

/mc

Enclosures

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
MONUMENT STATE #11-2-9-17CD
NW NW SECTION 2, T9S, R17E
DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B"

- A. The proposed well site is staked and two reference stakes are present. 200' & 240' Northwest.
- B. The Monument State #11-2-9-17CD is located 11 miles Southeast of Myton Utah in the NW1/4 NW1/4 Section 2, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 11-2-9-17CD, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 11.7 miles to a road intersection. Turn left and continue 1.9 miles to the proposed access road sign. Follow flags 0.1 mile to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B"

Approximately 0.1 mile of new road construction will be required for access to the proposed well location.

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

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

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

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

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

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

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

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

Please Refer to Map "C"

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

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

A. Existing

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

B. New Facilities Contemplated

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

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

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

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.

D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.

E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.

G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

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

beginning of drilling operations.

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

6. Source of Construction Materials

A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.

B. All access roads crossing State land are described under item #2, and shown on Map #A.

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

C. All surface disturbance area is on State lands.

D. There are no trees on this location.

7. Methods of Handling Waste Materials:

A. Cuttings - the cuttings will be deposited in the reserve pit.

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

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

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

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

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

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

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

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

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

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

The fourth side of the reserve pit will be fenced

immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

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

10. Plans for Reclamation of the Surface:

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

A. Production

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

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

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

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and

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

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

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

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

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

B. Dry Hole/Abandoned Location

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

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

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by the State of Utah.

12. Other Information:

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

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

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

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

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

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

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

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

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

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

- B. The surface ownership is State. The surface use is grazing and petroleum production.
- C.
 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 2. There are no occupied dwellings in the immediate area
 3. An archaeological report will be forwarded upon completion.
 4. There are no reported restrictions or reservations noted on the oil and gas lease.

13. Lessee's or Operator's Representative:

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

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

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

14. certification:

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

7-10-96.

Date

Molly Conrad

Molly Conrad
Operations Secretary

EQUITABLE RESOURCES CO.
MONUMENT STATE #11-2-9-17CD
NW/NW SECTION 2, T9S, R17E, SLB&M
Duchesne County, Utah

PALEONTOLOGY REPORT
WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

JULY 13, 1996

RESULTS OF PALEONTOLOGY SURVEY AT EQUITABLE RESOURCES CO. MONUMENT STATE #11-2-9-17CD NW/NW Section 2, T9S, R17E, S.L.B.&M, Duchesne Co., Utah.

Description of Geology and Topography-

This well location is 9 miles south and 4 miles east of Myton, Utah, in Castle Peak Draw. The wellpad sits on the south side of the draw between the main drainage in the draw and the hill south of the draw. The access road runs east 500 feet to the location. The surface at the wellpad is mostly covered by sand with some rock fragments except on the southwest corner (Corner #6) and the southwest corn of the pit. These two corners butt into the hillside of Uinta Formation. The access road travels over sandy material with some rock fragments.

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

Paleontological material found -

No fossils were found on the wellpad or access road.

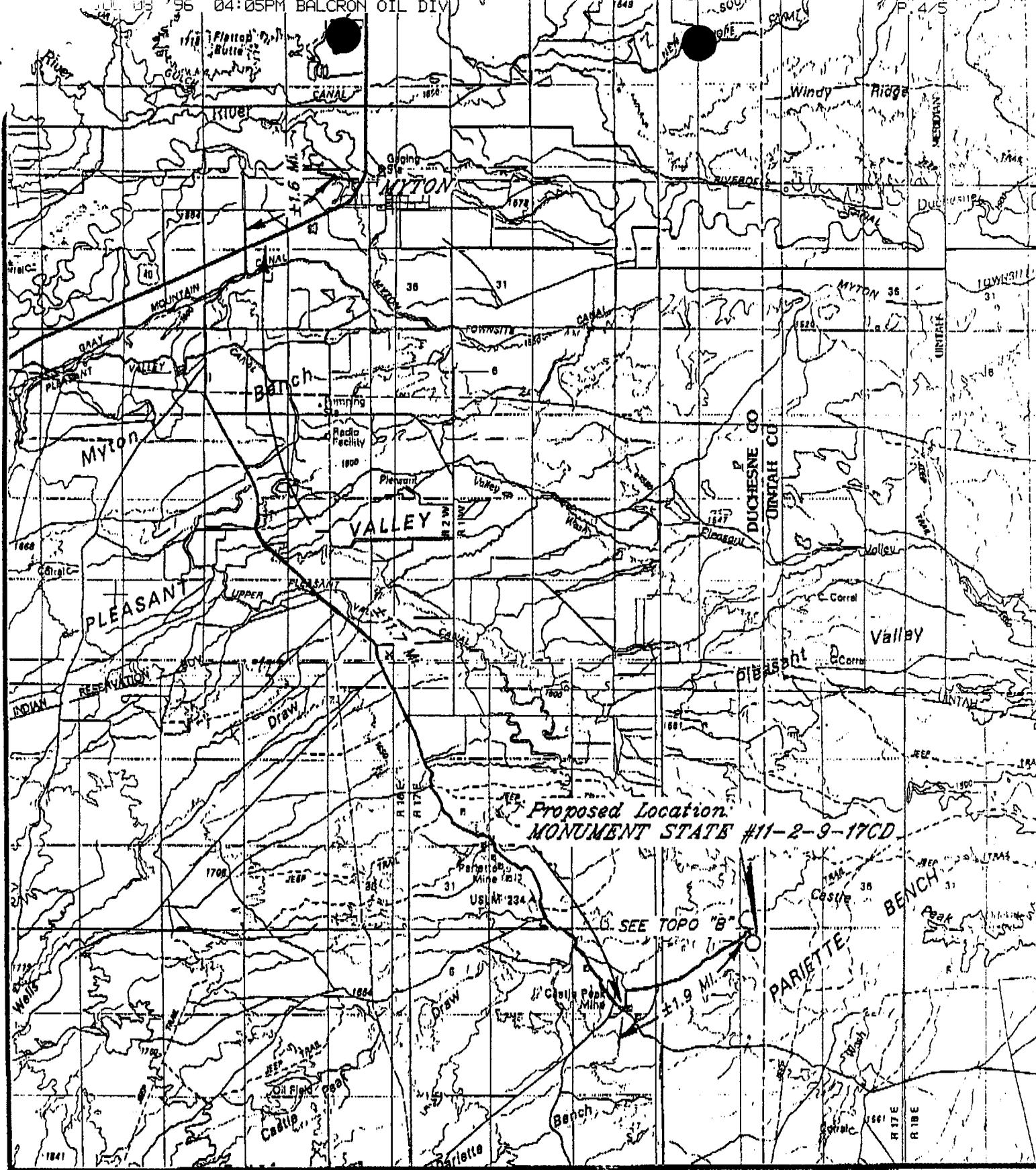
Recommendations-

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

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

Robert H. Hamblin
Paleontologist

Date July 14, 1996



EQUITABLE RESOURCES CO.

MONUMENT STATE #11-2-9-17CD
 SECTION 2, T9S, R17E, S.L.B.&M.
 TOPO "A"



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



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

July 15, 1996

Equitable Resources Energy Co.
1601 Lewis Avenue
Billings, Montana 59102

Re: Monument State 11-2-9-17CD Well, 634' FNL, 863' FWL,
NW NW, Sec. 2, 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 43-013-31685.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Firth".

R. J. Firth
Associate Director

lwp

Enclosures

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



Operator: Equitable Resources Energy
Well Name & Number: Monument State 11-2-9-17CD
API Number: 43-013-31685
Lease: ML-45555
Location: NW NW Sec. 2 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)538-5336.

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

3. Reporting Requirements

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

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated July 11, 1996 (copy attached).

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: MONUMENT BUTTE STATE 11-2-9-17CD

Api No. 43-013-31685

Section 2 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig #: 17

SPUDDED:

Date: 9/4/96

Time: 7:30 AM

How: ROTARY

Drilling will commence: _____

Reported by: COREY WELTER

Telephone #: _____

Date: 9/4/96 Signed: FRM



EQUITABLE RESOURCES
ENERGY COMPANY

WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102

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

September 9, 1996

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

Gentlemen:

RE: Monument State #11-2-9-17CD
NW NW Section 2, T9S, R17E
Duchesne County, Utah
API #43-013-31685

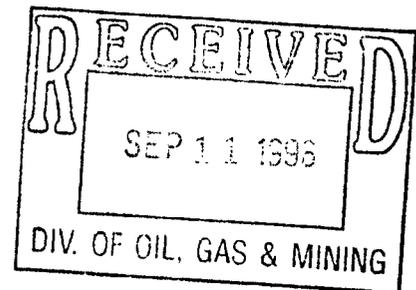
This letter is notice that the subject well was spud on 9-4-96.

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

Sincerely,

Molly Conrad
Operations Secretary

/mc



OPERATOR Equitable Resources Energy Company

OPERATOR ACCT. NO. N 9890

ADDRESS 1601 Lewis Avenue

Billings, MT 59102

(406) 259-7860

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11995	43-013-31685	Monument State #11-2-9-17CD	NW NW	2	9S	17E	Duchesne	9-4-96	9-4-96

WELL 1 COMMENTS:

Spud of a new well.

2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

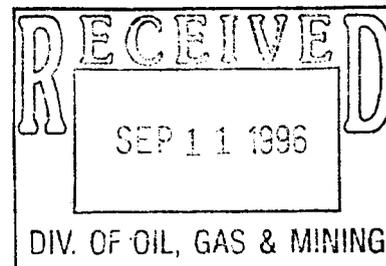
WELL 5 COMMENTS:

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.

(3/89)



Wm Conrad
Signature
Operations Secretary 9-9-96
Title Date
Phone No. ()

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Monument State #11-2-9-17CD

API number: 43-013-31685

2. Well Location: QQ NW NW Section 2 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: 10-29-96

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Injection (Water)

1b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR: Equitable Resources Energy Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface 634' FNL & 863' FWL
At top prod. interval reported below
At total depth _____

5. LEASE DESIGNATION AND SERIAL NO.: State ML-45555

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

7. UNIT AGREEMENT NAME: n/a

8. FARM OR LEASE NAME: Monument State

9. WELL NO.: #11-2-9-17CD

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

11. SEC. T., R. M., OR BLOCK AND SURVEY OR AREA: NW NW Sec. 2, T9S, R17E

14. API NO.: *Per Equitable Res.* 43-013-31685 DATE ISSUED: 7-15-96

12. COUNTY: Duchesne 13. STATE: Utah

15. DATE SPUNDED: 9-4-96 16. DATE T.D. REACHED: 9-10-96 17. DATE COMPL. (Ready to prod.): n/a 9-19-96 (Plug & Abd.) 18. ELEVATIONS (DP, RES, RT, GR, ETC.): 5044' G.L. 19. ELEV. CASINGHEAD: n/a

20. TOTAL DEPTH, MD & TVD: 5450' 21. PLUG BACK T.D., MD & TVD: 5391' 22. IF MULTIPLE COMPL., HOW MANY: n/a 23. INTERVALS DRILLED BY: SFC-TD 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: DLL LDT/CNT CBL/GR 9-13-96 MUD LOG 27. WAS WELL CORED YES NO (Submit analysis) DRILL STEM TEST YES NO (See course log)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	256'	12-1/4"	160 sxs "G" w/additives	None
5 1/2"	15.5#	5384.61'KB	7-7/8"	155 sxs Super "G" w/additives	None
				280 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"	3990.42'KB	3996.62'KB

31. PERFORATION RECORD (Interval, size and number)

4790'-4793' (6 holes)	4255'-4259' (4 SPF)
4916'-4920' (5 holes)	4074'-4084' (4 SPF)
4928'-4931' (5 holes)	
4232'-4243' (4 SPF)	
4246'-4252' (4 SPF)	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
**Please See Attachment	

33. PRODUCTION

DATE FIRST PRODUCTION: n/a PRODUCTION METHOD (Flowing, gas lift, pumping, etc.): n/a WELL STATUS (Producing or shut-in): SI WO Injection

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	WATER-BBL.	GAS-OIL RATIO
n/a					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): n/a

35. LIST OF ATTACHMENTS: Section 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: 10-29-96

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
			No DST's run.	Green River	1468'	1468'
				Horsebench S.S.	2340'	2340'
				2nd Garden Gulch	3939'	3939'
				Yellow Marker	4551'	4551'
				Douglas Creek	4718'	4718'
				2nd Douglas Crk.	4964'	4964'
				Green Marker	5117'	5117'
				Black Shale Facies	5373'	5373'

Attachment to Completion Report
Monument State #11-2-9-17CD
NW NW Section 2, T9S, R17E
Duchesne County, Utah

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
4790' - 4793'	Break down with 1,848 gallons 2% KCL water.
4916' - 4931'	Break down with 1,890 gallons 2% KCL water.
4790' - 4931'	Fracture with 31,600# 16/30 mesh sand with 12,306 gallons 2% KCL gelled water.
4232' - 4259'	Break down with 3,570 gallons 2% KCL water. Fracture with 23,000# 16/30 mesh sand with 12,474 gallons 2% KCL gelled water.
4074' - 4084'	Break down with 2,436 gallons 2% KCL water. Fracture with 13,700# 16/30 mesh sand with 8,694 gallons 2% KCL gelled water.

10-29-96

/mc

DAILY OPERATING REPORT

BALCRON MONUMENT STATE #11-2-9-17CD

Location: NW NW Section 2 , T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

- 09/09/96 TD: 4970' (923') Day 5
Present Operation: Drilling 7-7/8" hole
Drilled 923' of 7-7/8" hole w/fluid (MW-8.4, VIS-29) and ran one survey.
DC: \$16,614 CC: \$104,859
- 09/10/96 TD: 5450' (780') Day 6
Present Operation: Cement 5-1/2" csg
Drill. Run survey @ 5050' - 1°. Drill to TD of 5450'. Circulated. LD drill pipe & drill collars. RU loggers & ran DLL & LDT-CNL logs. RU & ran 5-1/2" csg and cemented sand as follows:
- | | |
|---------------------------------|----------|
| 1 - guide shoe | .75' |
| 1 - jt 5-1/2" J-55 LTC 15.5# | 42.64' |
| 1 - float collar | 1.00' |
| 127 - jts 5-1/2" J-55 LTC 15.5# | 5384.61' |
| KB | 10.00' |
- Cemented by BJ Services w/lead: 155 sxs Super "G" w/3% salt, 2% gel, 2#/sx Kolseal, and ¼#/sx Cello Flake. Tail: 280 sxs 50/50 poz w/2% gel, 2#/sx Kolseal and ¼#/sx Cello flake. Plug down @ 5:45 AM w/good returns. ND.
DC: \$62,984 CC: \$142,064 (Revised total)
- 09/11/96 Well SI. No work done.
- 09/12/96 Well SI. No work done.
- 09/19/96 Completion
MIRU Cannon Well Service Rig #2. TIH w/4-3/4" bit, 5-1/2" csg scrapper & 174 jts tbg. Tag PBTB @ 5391'. Circulate hole clean w/135 bbls 2% KCL wtr. SWIFN.
DC: \$5,772 CC: \$147,836
- 09/20/96 Completion
TOOH w/tbg & tools. RU Schlumberger to run CBL & perf. Run CBL from 5346' KB to 1700' KB, w/1000 psi. TOC @ 1910' KB. Perf 4790' - 4793', 6 holes, 4916' - 4920', 5 holes, 4928' - 4931', 5 holes. Tih w/TS RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 156 jts 2-7/8" tbg. Set BP @ 4875' KB. Set pkr @ 4736' KB. EOT @ 4743' KB. SWI until 9-23-96.
DC: \$4,933 CC: \$152,769

DAILY OPERATING REPORT

BALCRON MONUMENT STATE #11-2-9-17CD

Location: NW NW Section 2 , T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

09/23/96 Completion

RU BJ Service & break down 4790' - 4793' w/1848 gals 2% KCL wtr. ATP = 2100 psi, ATR = 3.0 bpm, ISIP = 1600 psi. Used 44 bbls wtr. Reset BP @ 5000' KB, EOT @ 4872' KB, pkr @ 4864' KB. Break down 4916' - 4920' & 4928' - 4931' w/1890 gals 2% KCL wtr. ATP = 2100 psi, ATR = 3.3 bpm, ISIP = 1400 psi. Used 45 bbls wtr. TOOH w/tbg, pkr & retrieving tool. Frac 4790' - 4793', 4916' - 4920', & 4928' - 4931' w/12,306 gals 2% KCL wtr & 31,600 lbs 16/30 sand. ATP = 2700 psi, ATR = 33.8 bpm, ISIP = 2240 psi, 5 min = 1570 psi, 10 min = 1440 psi, 15 min = 1390 psi, 30 min = 1290 psi. Used 293 bbls wtr. Start forced closure flow back, 1.2 bpm. Flow back 300 bbls wtr. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 152 jts 2-7/8" tbg. Tag sand @ 4722' KB. Circulate down to BP @ 5000' KB. Set pkr @ 4736' KB. Made 8 swab runs. Recovered 41 bbls wtr, gas cut, trace sand. Fluid level 1600' last run. SWIFN.

DC: \$28,034

CC: \$180,803

09/24/96 Completion

Made 31 swab runs, recovered 8 bbls oil & 144 bbls wtr, good gas. No sand last 12 swab runs. Oil 20% last 3 runs. Release pkr, tag sand @ 4960' KB. Circulate down to BP @ 5000' KB. Reset BP @ 4307' KB. TOOH w/tbg, pkr & retrieving tool. SWIFN.

DC: \$2,021

CC: \$182,824

09/25/95 Completion

RU Schlumberger & perf 4232' - 4243', 4246' - 4252' & 4255' - 4259', 4 SPF. RD Schlumberger. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr & 134 jts 2-7/8" tbg.

BP set @ 4307' KB, set pkr @ 4179' KB, EOT @ 4187' KB. RU BJ Services & break down 4232' - 4243', 4246' - 4252' & 4255' - 4259' w/3570 gals 2% KCL wtr. ATP = 2400 psi, ATR = 4.9 bpm, ISIP = 1500 psi. Used 85 bbls wtr. TOOH w/tbg, pkr & retrieving tool. SWIFN. Flowed back 25 bbls.

DC: \$9,838

CC: \$192,662

09/26/96 Completion

RU BJ Services & frac 4232' - 4259' w/12,474 gals 2% KCL wtr & 23,000 lbs 16/30 sand. ATP = 2200 psi, ATR = 30.6 bpm, ISIP = 2150 psi, 5 min = 1940 psi, 10 min = 1780 psi, 15 min = 1710 psi. Used 297 bbls wtr. RU Schlumberger & set HE BP @ 4130' KB. Perf 4074' - 4084', 4 SPF. TIH w/HD pkr, SN & 128 jts 2-7/8" tbg. Set pkr @ 3992' KB. Break down 4074' - 4084' w/2436 gals 2% KCL wtr. ATP = 2200 psi, ATR = 5.0 bpm, ISIP = 1675 psi. Used 58 bbls wtr. TOOH w/tbg & pkr. Frac 4074' - 4084' w/8694 gals 2% KCL wtr & 13,700 lbs 16/30 sand. ATP = 2450 psi, ATR = 24.7 bpm, ISIP = 4950 psi, 5 min = 3740, 10 min = 3670 psi, 15 min = 35.7 psi. Used 207 bbls wtr. Screen out w/10,600 lbs of sand on formation. SWIFD.

DC: \$34,877

CC: \$227,539

DAILY OPERATING REPORT

BALCRON MONUMENT STATE #11-2-9-17CD

Location: NW NW Section 2 , T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

09/27/96 Completion

Flow back 60 bbls wtr. TIH w/retrieving tool, 122 jts tbg. Tag sand @ 3802' KB. Circulate down to BP @ 4130' KB. Retrieve BP. TOO H w/tbg & BP. Tih w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN & 135 jts tbg. Tag sand @ 4211' KB. Circulate down to TS BP @ 4307' KB. Set pkr @ 3992' KB. Made 21 swab runs. Recovered trace oil & 104 bbls wtr, gas cut, trace sand. Fluid level @ 2100' last 3 runs. SWIFN.

DC: \$2,394

CC: \$229,933

09/28/96 Completion

Flow back 5 bbls wtr. Made 19 swab runs. Recovered 15 bbls o il, 79 bbls wtr. Trace of sand & good gas. No sand last 5 runs. Oil 20% last 4 runs. Fluid level @ 2050' last 3 runs. Release pkr, tag sand @ 4281' KB. Circulate down to BP @ 4307' KB. TOO H w/tbg, pkr & BP. SWI until 9-30-96.

DC: \$1,733

CC: \$231,666

09/30/96 Completion

Bleed well down. Flow back 3 bbls oil & 1 bbl wtr. TIH w/injection string as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - Arrow Set-1 pkr	6.20'	3996.62'
1 - cross over	.40'	3990.42'
1 - SN 2-7/8"	1.10'	3990.02'
128 - jts 2-7/8" EUE J-55 8rd 6.5#	3978.92'	3988.92'
KB	10.00'	

Drop standing valve & press test tbg to 3000 psi, ½ hr, no loss. ND BOP, ND 5-M well head, NU 3-M well hed. Set pkr, press test csg to 1000 psi, 1 hr, no loss. Unset pkr. Pump 55 gals Champion Cortron 2383 pkr fluid mixed w/62 bbls wtr down csg. Set pkr & press test csg to 1000 psi, 1 hr, no loss. SWI w/1000 psi on csg. RDMO.

DC: \$36,225

CC: \$267,891

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

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

4. Location of Well

Footages: See Attached Exhibit

OO, Sec., T., R., M.:

County:

State:

RECEIVED

OCT 13 1997

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

NOTICE OF INTENT
(Submit in Duplicate)

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

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of work completion 9-30-97

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

* Must be accompanied by a cement verification report.

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

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

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

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

OCT 10 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

StateWells

Inland Change of Operator						
WELL NAME	LOCATION	COUNTY	STATE	FIELD NAME	API NUMBER	LEASE
✓ MONUMENT STATE #31-2CD	NW NE 2 9S 17E	UINTAH	UT	MONUMENT BUTTE (CD)	43-047-32563-00	ML-45555
✓ MONUMENT STATE #32-2-9-17	SWNE 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32737-00	ML45555
✓ MONUMENT STATE #11-2-91-17	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31685-00	ML45555
✓ MONUMENT STATE #11-36Y	NW NW 368S 17E	UINTAH	UT	MONUMENT BUTTE (CD)	43-047-32764-00	ML-44555
✓ MONUMENT BUTTE STATE #12-2	SWNW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31481-00	ML45555
✓ MONUMENT BUTTE STATE #13-2	NWSW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31482-00	ML-45555
✓ MONUMENT BUTTE STATE #24-2	SESW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32612-00	MT-45555
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
✓ MONUMENT STATE #21-2-9-17	NE NW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32703-00	ML-45555

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.

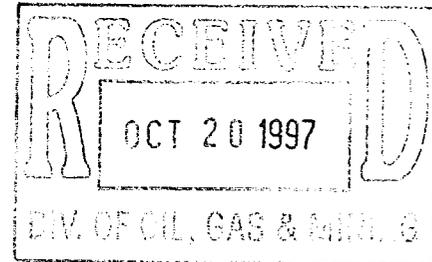
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

Patsy Barreau
Patsy Barreau

/pb
encls.





**EQUITABLE RESOURCES
ENERGY COMPANY**

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

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

Dear Lisha:

RE: Equitable Sale of Utah Properties

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

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

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



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

TO: *Lisha*
St of Utah.

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

Pages Attached - Including Cover Sheet *2.*

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

OPERATOR INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO. H 5160

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11995	12275	43-013-31685	MONUMENT 11-2-9-17CD		2	9S	17E	DUCHESNE		9-30-97
WELL 1 COMMENTS: *OPERATOR CHANGE FR EQUITABLE RES. EFF 9-30-97. (CASTLE DRAW SECONDARY RECOVERY UNIT) INLAND REQUESTS A COMMON ENTITY FOR WELLS WITHIN THE UNIT FOR TAX & REPORTING PURPOSES.											
D	12019	12275	43-047-32737	MONUMENT 32-2		2	9S	17E	UINTAH		9-30-97
WELL 2 COMMENTS:											
B	99999	12275	43-047-32842	CASTLE DRAW 8-2		2	9S	17E	UINTAH	12-3-97	9-30-97
WELL 3 COMMENTS:											
B	99999	12275	43-047-32843	CASTLE DRAW 1-2		2	9S	17E	UINTAH	11-25-97	9-30-97
WELL 4 COMMENTS:											
D	11656	12275	43-013-31425	MONUMENT 14-2		2	9S	17E	DUCHESNE		9-30-97
WELL 5 COMMENTS:											
D	11742	12275	43-047-32610	MONUMENT 22-2		2	9S	17E	UINTAH		9-30-97

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

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

(3/89)

L. CORDOVA (DOG M)
 Signature
ADMIN. ANALYST 12-19-97
 Title Date
 Phone No. ()

OPERATOR CHANGE WORKSHEET

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

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

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

PAGE 1 of 2

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

<p>TO: (new operator) <u>INLAND PRODUCTION COMPANY</u> (address) <u>PO BOX 1446</u> <u>ROOSEVELT UT 84066</u></p> <p>Phone: <u>(801)722-5103</u> Account no. <u>N5160</u></p>	<p>FROM: (old operator) <u>EQUITABLE RESOURCES ENERGY</u> (address) <u>C/O CRAZY MTN O&G SVS'S</u> <u>PO BOX 577</u> <u>LAUREL MT 59044</u></p> <p>Phone: <u>(406)628-4164</u> Account no. <u>N9890</u></p>
---	--

WELL(S) attach additional page if needed: ***CASTLE DRAW SEC. REC. UNIT**

Name: *MONUMENT 31-2-9-17CD/GR	API: 43-047-32563	Entity: 11878	S	2	T	9S	R	17E	Lease: ML45555
Name: *MONUMENT 11-2-9-17CD/GR	API: 43-013-31685	Entity: 11995	S	2	T	9S	R	17E	Lease: ML45555
Name: *MONUMENT 32-2/GR	API: 43-047-32737	Entity: 12000	S	2	T	9S	R	17E	Lease: ML45555
Name: *CASTLE DRAW 8-2/DRL	API: 43-047-32842	Entity: 99999	S	2	T	9S	R	17E	Lease: ML45555
Name: *CASTLE DRAW 1-2/DRL	API: 43-047-32843	Entity: 99999	S	2	T	9S	R	17E	Lease: ML45555
Name: *MONUMENT 14-2/WIW	API: 43-013-31425	Entity: 11656	S	2	T	9S	R	17E	Lease: ML45555
Name: *MONUMENT 22-2/WIW	API: 43-047-32610	Entity: 11742	S	2	T	9S	R	17E	Lease: ML45555

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-20-97)*
3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(12-19-97) * (UIC Database & Query Hrc 12-19-97)*
6. **Cardex** file has been updated for each well listed above. *(12-19-97)*
7. Well **file labels** have been updated for each well listed above. *(12-19-97)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-19-97)*
9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Y 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Y 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 No. 4471291 "Hartford Acc. & Ind. Co."*

- Y 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A **copy of this form** has been placed in the new and former operator's bond files.
- N/A 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

- DTS 1. Copies of documents have been sent on 1/5/98 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 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

- VB 1. All attachments to this form have been **microfilmed**. Today's date: 1.20.98.

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

Well(s):	API:	Entity:	S-T-R:	Lease:
State 16-2	43-013-30552	01451	16-9S-17E	ML3453B
K Jorgenson 16-4	43-013-30572	01452	16-9S-17E	ML3453B
Monument 11-36-8-17Y	43-047-32764	12095	36-8S-17E	ML44305
Monument 24-2	43-047-32612	11736	2-9S-17E	ML45555
Monument 13-2	43-013-31482	11738	2-9S-17E	ML45555
Monument 12-2	43-013-31481	11745	2-9S-17E	ML45555
Monument 21-2-9-17	43-047-32703	11863	2-9S-17E	ML45555
Monument 31-2-9-17CD	43-047-32563	11878	2-9S-17E	ML45555
Monument 11-2-9-17CD	43-013-31685	11995	2-9S-17E	ML45555
Monument 32-2	43-047-32737	12000	2-9S-17E	ML45555
Castle Draw 8-2	43-047-32842	99999	2-9S-17E	ML45555
Castle Draw 1-2	43-047-32843	99999	2-9S-17E	ML45555
Monument 14-2	43-013-31425	11656	2-9S-17E	ML45555
Monument 22-2	43-047-32610	11742	2-9S-17E	ML45555



January 8, 1998

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

RE: Permit Application for Water Injection Well
Monument State #11-2-9-17CD
Monument Butte Field, Lease #ML-45555
Section 2-Township 9S-Range 17E
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests the following approval(s):

1. Conversion of the Monument State #11-2-9-17CD from an oil well (completed, but never produced) to a water injection well in the Monument Butte (Green River) Field;
2. Installation of an injection flowline. The injection facility is located at the Monument State #14-2 well. The existing water injection line leaves the facility and proceeds in a northerly direction to the Monument State #22-2 well. Inland proposes to install an injection line that would tie into the existing line at the Monument State #22-2. The line would run approximately 1760' in a northeasterly direction, and would be a 3" coated steel pipe, buried 5' below the surface.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Debbie Knight at (303) 376-8117.

Sincerely,

Kevin S. Weller
Senior Reservoir Engineer

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
MONUMENT STATE #11-2-9-17CD
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #ML-45555
JANUARY 7, 1998

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ATTACHMENT A-1 WELL LOCATION PLAT
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ATTACHMENT H-1 WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



Monument State #11-2-9-17CD
 Monument Butte
 State ML-45555
 NW NW Section 2, T9S, R17E
 634' FNL, 863' FWL
 Duchesne County, Utah

Elev.GR - 5044' GL
 Elev.KB - 5054' KB (10' KB)

**INJECTION
 WELLBORE DIAGRAM**

DATE : 11/7/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 246'
 DEPTH LANDED: 256' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: BJ Services: 160 sks.

256' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5429'
 DEPTH LANDED: 5439' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: BJ Services: 155 sks Super "G" w/
 3% salt, 2% gel, 2#/sk Kolseal,
 1/4#/sk Celloflake. Tail w/ 280 sks of
 50/50 POZ w/ 2% gel, 2#/sk Kolseal,
 1/4#/sk Celloflakes.

TOC @
 1910' KB

CEMENT TOP AT: 1910' KB

PERFORATION RECORD

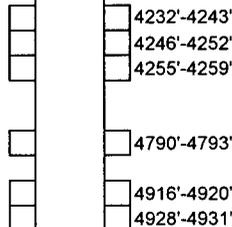
9/20/96	Schlumberger	4790'-4793'	6 Holes
		4916'-4920'	5 Holes
		4928'-4931'	5 Holes
9/25/96	Schlumberger	4232'-4243'	4 SPF
		4246'-4252'	4 SPF
		4255'-4259'	4 SPF
9/26/96	Schlumberger	4074'-4084'	4 SPF

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/J-55/6.5#
 NO. OF JOINTS: 128 Jts (3978.92')
 SEATING NIPPLE: 2-7/8"x1.10'
 ARROW SET 1 PACKER: 2-3/8"x5-1/2"x6.20'
 PACKER LANDED AT: 3990' KB
 Set W/ ? tension

PACKER FLUID: 55 gallons Champion Cortron
 2383 mixed w/ 62 bbls 2%
 KCL water.

Arrow Set-1 Packer
 @ 3990' KB
 4074'-4084'



PBTD @ 5391' KB
 TD @ 5450' KB

WORK PROCEDURE FOR INJECTION CONVERSION

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

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

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

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

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

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

See Attachment A

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

Approval is requested to convert the Monument State #11-2-9-17CD from an oil well (completed, but never produced) to a water injection well in the Monument Butte (Green River) Field; and to install an injection line. The injection facility is located at the Monument State #14-2 well. The existing water injection line leaves the facility and proceeds in a northerly direction to the Monument State #22-2 well. Inland proposes to install an injection line that would tie into the existing line at the Monument State #22-2. The line would run approximately 1760' in a northeasterly direction, and would be a 3" coated steel pipe, buried 5' below the surface. See Attachment D.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Monument State #11-2-9-17CD well, the proposed injection zone is from 4931'-4074'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4790'.

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

The referenced log for the Monument State #11-2-9-17CD is on file with the Utah Division of Oil, Gas and Mining.

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

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a State lease (Lease #ML-45555), in the Monument Butte (Green River) Field and this request is for administrative approval.

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

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**

- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.

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

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

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

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

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

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

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

The casing program is 8-5/8", 24#, J-55 surface casing run to 256' GL, and the 5-1/2" casing run from surface to 5439' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

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

See Attachment F, F-1, and F-2.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1400 psig.

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

The minimum fracture gradient for the Monument State #11-2-9-17CD, for proposed zones (4931'-4074') is calculated at .72 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1400 psig. See Attachment G, G-1, and G-2.

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

In the Monument State #11-2-9-17CD, the injection zone (4931'-4074') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The estimated fracture pressure is 1400#. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shales. The porous and permeable lenticular sandstone varies in thickness from 0-31', and is confined to the Monument Butte Field. Outside the Monument Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lucustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-5.

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

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

See Attachment C.

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

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

Attachment A



CASTLE DRAW DUCHESNE & Uintah County, Utah MINERAL RIGHTS

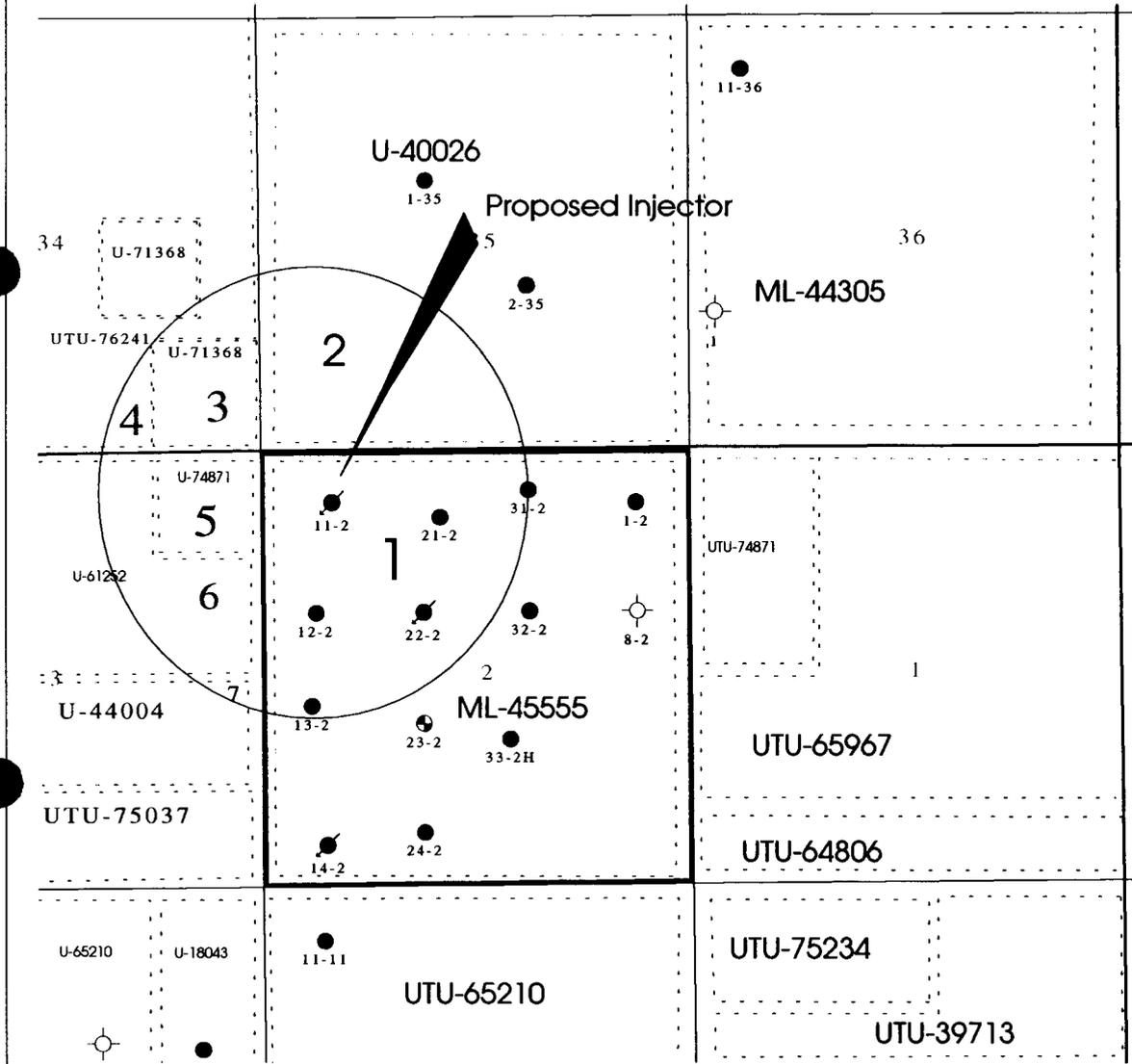
(GRAZING RIGHTS ONLY)
LESSEE: STRAWBERRY RIVER LIVESTOCK INC

EXHIBIT

Legend

-  PRODUCING WELL
-  EXISTING INJECTION WELL
-  DRY HOLE

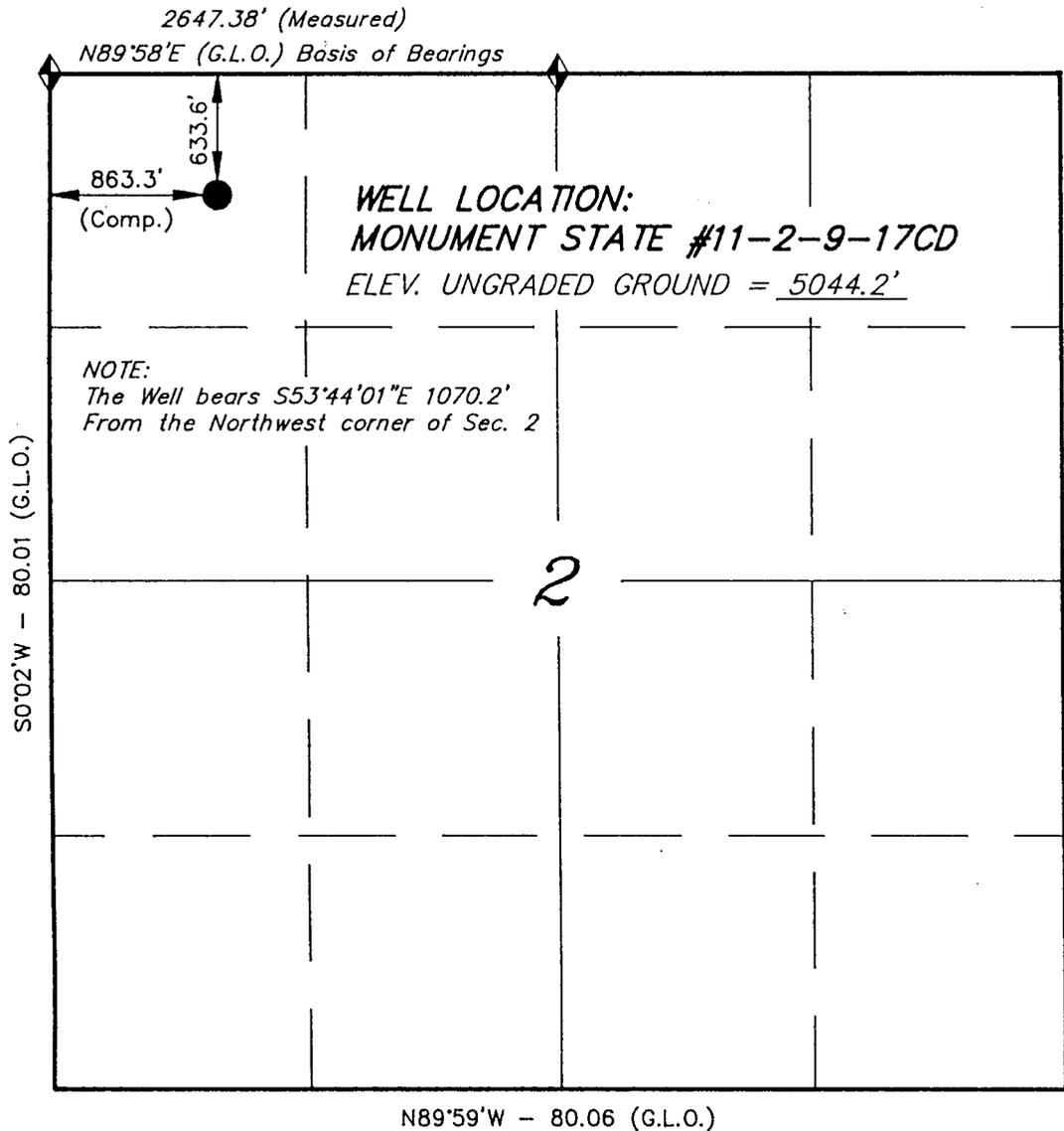
CASTLE DRAW STATE 11-2 5450 TD



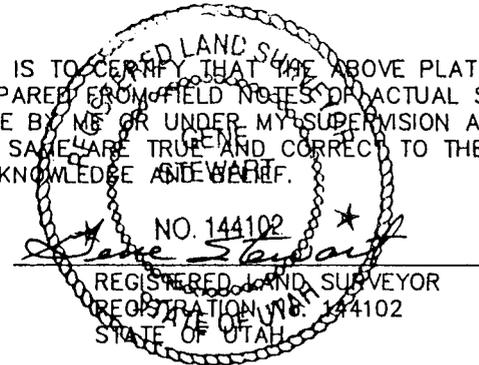
T9S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, MONUMENT STATE #11-2-9-17CD, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 2, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



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

TRI STATE LAND SURVEYING & CONSULTING	
38 WEST 100 NORTH - VERNAL, UTAH 84078 (801) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: G.S. S.S.
DATE: 5-17-96	WEATHER: WARM
NOTES:	FILE #

Attachment A-1

Tract	Land Description	Minerals Ownership	Minerals Leased By	Federal or State # & Expires	Surface Grazing Rights Leased By
1	Township 9 South, Range 17 East Section 2: All	State	Inland Production Company	ML-45555 HBP	(Surface Rights) State (Grazing Rights) Strawberry River Livestock Inc.
2	Township 8 South, Range 17 East Section 35: All	USA	Inland Production Company Citation 1994 Investment Limited Partnership Key Production Co., Inc.	UTU-40026 HBP	(Surface Rights) USA (Grazing Rights) Strawberry River Livestock Inc.
3	Township 8 South, Range 17 East Section 30: NW/4NE/4 Section 33: SE/4NE/4, NE/4NW/4 Section 34: NE/4SW/4, SE/4SE/4	USA	Co-Energy Rockies Wildrose Resources Corporation	UTU-71368 HBP	(Surface Rights) USA (Grazing Rights) Strawberry River Livestock Inc

Attachment B
(Pg 2 of 3)

Tract	Land Description	Minerals Ownership	Minerals Leased By	Federal or State # & Expires	Surface Grazing Rights Leased By
4	Township 8 South, Range 17 East Section 26: S/2SW/4, SW/4SE/4 Section 27: All Section 28: All Section 33: N/2NE/4, SW/4NE/4, W/2NW/4, SE/4NW/4, S/2 Section 34: N/2, W/2SW/4, SE/4SW/4, N/2SE/4, SW/4SE/4	USA	Inland Production Company	UTU-76241 HBP	(Surface Rights) USA (Grazing Rights) Strawberry River Livestock Inc.
5	Township 9 South, Range 17 East Section 3: Lot 1	USA	Wildrose Resources Corporation	UTU-74871 HBP	(Surface Rights) USA (Grazing Rights) Strawberry River Livestock, Inc.
6	Township 9 South, Range 17 East Section 3: Lots 2-4, S/2N/2	USA	Snyder Oil Corporation	UTU-61252 HBP	(Surface Rights) USA (Grazing Rights) Strawberry River Livestock Inc.

Attachment B
(Pg 3 of 3)

Tract	Land Description	Minerals Ownership	Minerals Leased By	Federal or State # & Expires	Surface Grazing Rights Leased By
7	Township 9 South, Range 17 East Section 3: N/2S/2	USA	Snyder Oil Corporation	UTU-44004 HBP	(Surface Rights) USA (Grazing Rights) Strawberry River Livestock Inc.

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Monument State #11-2-9-17CD

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

Signed: _____

Kevin S. Weller
Inland Production Company
Kevin S. Weller
Senior Reservoir Engineer

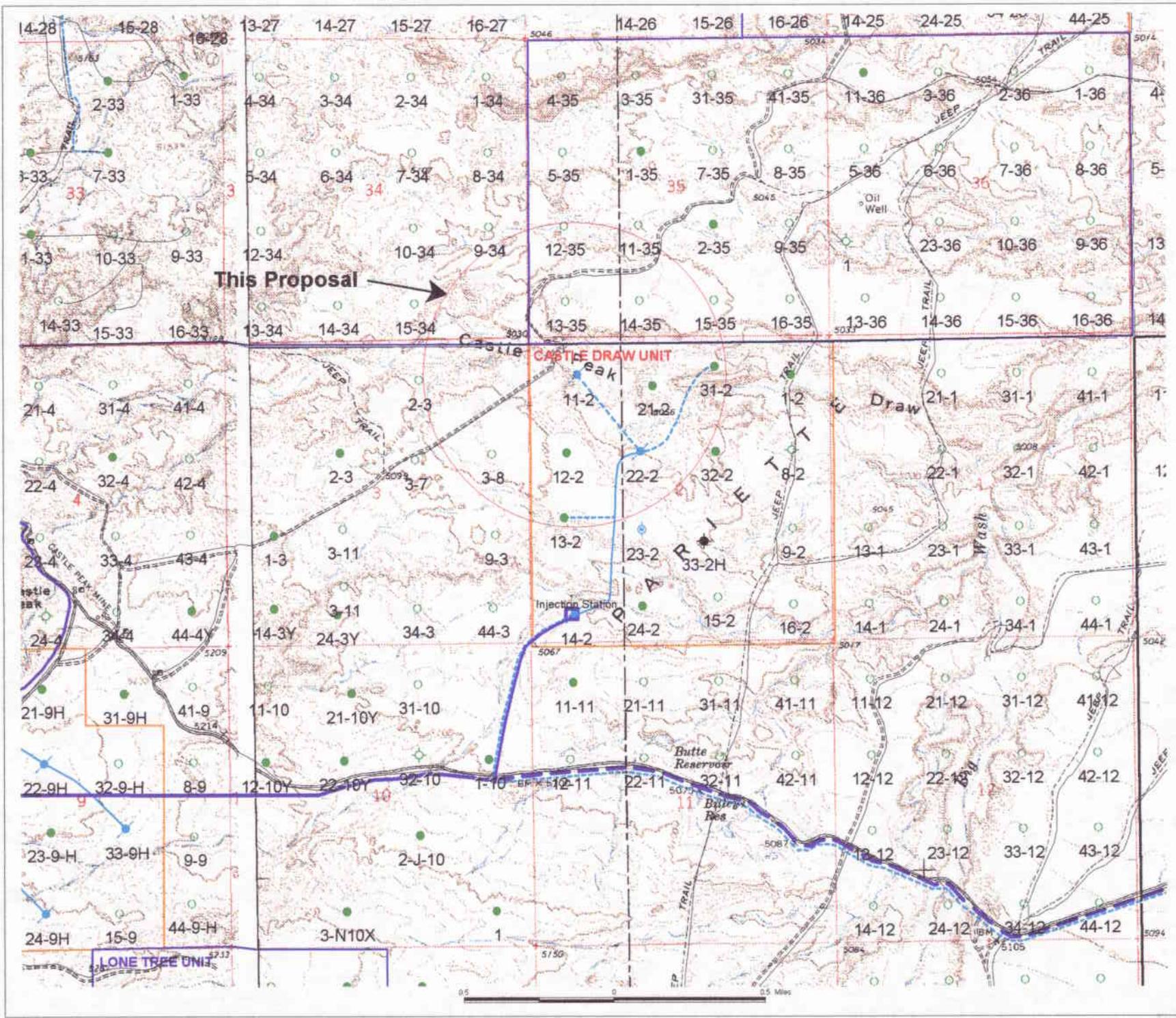
Sworn to and subscribed before me this 8th day of January, 1998.

Notary Public in and for the State of Utah: _____

Patsy A. Barreau



My Commission Expires 11/14/2000



- Legend
- INJ
 - OIL
 - GAS
 - O&G
 - DRY
 - SHUTIN
 - LOC
 - ▬ Proposed Water 6"
 - ▬ Water 6"
 - ▬ Water 4"
 - ▬ Water 2 - 3"
 - ▬ Proposed Water

UNTA BASIN
 The Basin & Block Contours, 1988

Attachment D



Well Name Monument State #11-2-9-17CD
 Location NWNW Sec2-T9S-R17E
 Footage 634' FNL, 863' FWL
 Lease No. ML-45555
 Field Monument Butte
 County, State Duchesne, Utah

WELLBORE DIAGRAM

DATE : 12/22/97 dek

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 246'
 DEPTH LANDED: 256'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: BJ Services: 160sxs

256' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5429'
 DEPTH LANDED: 5439' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: BJ Services: 155 sxs Super "G" w/
 3% salt, 2% gel, 2#/sk Kolseal,
 1/4#/sk Celloflake. Tail w/ 280 sxs of
 50/50 POZ w/2% gel, 2#/sl Kolseal,
 1/4#/sk Celloflake.
 CEMENT TOP AT: 1910' KB

TUBING

SIZE/GRADE/WT.: 2-7/8"
 NO. OF JOINTS: 128 Jts. (3978.92')
 TUBING ANCHOR:
 NO. OF JOINTS:
 SEATING NIPPLE: 2-7/8" x 1.10'
 PERFORATED SUB:
 MUD ANCHOR:
 STRING LENGTH:
 SN LANDED AT:
 ARROW SET 1 PACKER: 2-3/8" x 5-1/2" x 6.20'
 Packer Landed AT: 3990' KB

SUCKER RODS

WELL LAST PULLED:

POLISHED ROD:
 SUCKER RODS:

TOTAL STRING LENGTH:

PUMP NUMBER:
 PUMP SIZE:

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

TANK SIZES & NUMBERS:

LOGS:

ACID JOB /BREAKDOWN

Date	Depth	Details
9/23/96	4790'-4793'	BJ Services: 1848 gal 2% KCL water w/12 ball sealers. Ball action but no ball off. ATP=2100 psi, ATR=3.0 bpm, ISIP=1600 psi.
9/23/96	4916'-4920'	BJ Services: 1890 gal 2% KCL water w/20 ball sealers. Balled off. ATP=2100 psi, ATR=3.3 bpm, ISIP=1400 psi.
9/25/96	4232'-4243' 4246'-4252' 4255'-4259'	BJ Services: 3570 gal 2% KCL water w/20 ball sealers. Ball action but no ball off. ATP=2400 psi, ATR=4.9 bpm, ISIP=1500 psi.
9/26/96	4074'-4084'	BJ Services: 2436 gal 2% KCL water w/80 ball sealers. Ball action but no ball off. ATP=2200 psi, ATR=5.0 bpm, ISIP=1675 psi.

FRAC JOB

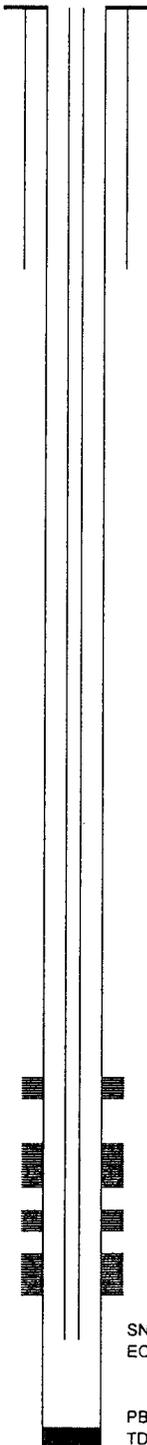
Date	Depth	Details
9/23/96	4790'-4783'	BJ Services: 12,306 gal 2% KCL water w/31,600# 16/30 sand. ATP=2700 psi, ATR=33.8 bpm, ISIP=2240 psi, 5 min=1570 psi, 10 min=1440 psi, 15 min=1390 psi, 30 min=1290 psi.
9/26/96	4232'-4243' 4246'-4252' 4255'-4259'	BJ Services: 12,474 gal 2% KCL water w/23,000# 16/30 sand. ATP=220 psi, ATR=30.6 bpm, ISIP=2150 psi, 5 min=1940 psi, 10 min=1780 psi, 15 min=1710 psi.
9/26/96	4074'-4084'	BJ Services: 8694 gal 2% KCL water w/13,700 16/30 sand. ATP=2450 psi, ATR=24.7 bpm, ISIP=4950 psi, 5 min=3740 psi, 10 min=3670 psi, 15 min=3570 psi.

PERFORATION RECORD

Date	Company	Depth	Holes
9/20/96	Schlumberger	4790'-4793'	6 holes
		4916'-4920'	5 holes
		4928'-4931'	5 holes
9/25/96	Schlumberger	4232'-4243'	4 SPF
		4246'-4252'	4 SPF
		4255'-4259'	4 SPF
9/26/96	Schlumberger	4074'-4084'	4 SPF

SN LANDED @ ' KB
 EOT LANDED @ ' KB

PBTD @ 5391' KB
 TD @ 5450' KB





Attachment E-1
 BALCRON MONUMENT STATE #22-2
 SE NW Sec.2 T9S R17E
 Lease #ML-45555
 Monument Butte Field
 Uintah County, Utah

Elev. - 5047' GL
 KB - 5057' KB (10')

WELLBORE DIAGRAM

DATE : 1/21/97 DZ

SURFACE CASING

SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 261.25' (6 jts)
 DEPTH LANDED: 271.25' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs class "G" + 2% CCI +
 1/4#/sk celloflake

276.3' KB

PRODUCTION CASING

SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5779.79' (138 jts)
 DEPTH LANDED: 5788.79' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 285 sxs super class "G" + (47#G + 20#Poz A +
 17# CSE+1/4 # celloseal+2# HiSeal)/sk +3%salt
 +2%gel, tail w/ 315 sk 50-50 POZ + 2%gel +
 1/4 #/sk celloseal + 2 #/sk HiSeal 2
 CEMENT TOP AT: 1310' KB

TUBING RECORD

KB: 10'
 SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 153 jnts @ 4802.45'
 SEAT NIPPLE: 2-7/8" X 1.10'
 CROSS OVER: 2-7/8" X 2-3/8" @ 0.42'
 AT NIPPLE LANDED @ 4813.55' KB
 EVABLE CSG PACKER 2-3/8" X 6.20'
 MODEL : Arrow Set-1
 PACKER LANDED @ 4820.17' KB

ACID JOB / BREAKDOWN JOB

3/21/95 Western 5222'-5227' & 5234'-5242' : 2520 gal
 2% KCl wtr w/ 100 balls. balled off,
 ATR-4.2BPM, ATP-2500, ISIP-1550
 3/23/95 Western 4881'-84' & 4896'-405' : 2142gal 2% KCl w/100
 balls, balled off. ATP-3200, ATR-6.0bpm, ISIP-1200

FRAC JOB

3/21/95 Western 5222'-27' & 5234'-42' : 2500gal 2% KCl pad,
 18,942 gal 2% KCl w/ 25,820# 20/40 & 37,000#
 16/30 sand, flush w/ 5166 gal 2% KCl wtr. ISIP-3000
 ATP-2700, ATR-30.9bpm, 5min-1610, 10min-1470,
 15min-1350, 30min-1320.
 3/23/95 Western 4881'-84' & 4896'-4905' : 2310 gal 2% KCl pad, 18,732
 gal 2% KCl w/ 56,840# 16/30 sand. ATP-2400,
 ATR-31.6bpm, ISIP-2450, 5min-1940, 10min-1590,
 15min-1520, 30min-1390

PERFORATION RECORD

3/20/95 Schlumberger 5222' - 5227' 4 SPF 5 ft 20 holes
 5234' - 5242' 4 SPF 8 ft 32 holes
 3/23/95 Schlumberger 4881' - 4884' 4 SPF 3 ft 12 holes
 4896' - 4905' 4 SPF 9 ft 36 holes

4881' - 4905"

5222' - 5242"

PBTD @ 5745' KB
 TD @ 5798' KB



Elev. - 5097' GL
 KB - 6007' KB (10')

WELLBORE DIAGRAM

DATE : 7/20/95 vk

SURFACE CASING

SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 261.55' (7 jts)
 DEPTH LANDED: 272.55' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs class "G" + 2% CCI +
 1/4#/sk celloseal

272.5' KB

PRODUCTION CASING

SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5834.84' (140 jts)
 DEPTH LANDED: 5845.48' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 252 sxs super class "G" + (47 # "G" +
 17#CSE+1/4# celloseal+2# HiSeal)/sk
 +3%salt + 2%gel. Tail w/ 320 sks 50-50 POZ +
 2%gel + (1/4# celloseal+2#HiSeal)/sk

CEMENT TOP AT: 1737' KB

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55
 NO. OF JOINTS: 156 jts (4852.26')
 TUBING ANCHOR: trico 2.35' @ 4032.96'KB
 NO. OF JOINTS: 15 jts (464.01')
 SEATING NIPPLE: 1.1' @ 5329.72'KB
 PERF. SUB: 4.2'
 MUD ANCHOR: 1 jt - 28.8' w/ NC
 STRING LENGTH: 5352.72'
 SN at: 5329.72' KB

SUCKER ROD RECORD

POLISHED ROD: 1-1/4" x 22'
 SUCKER RODS: three - 3/4" x 4' Pony
 212 - 3/4" x 25' D-16 Plain

TOTAL STRING LENGTH: 5328'

PUMP SIZE: BHP 2-1/2 x 1-1/2 x 16' RWAC
 w/ PA plunger TRICO #1104

ACID JOB / BREAKDOWN JOB

3/29/95 Western 5266'-5306' : 2885 gal 2% KCl wtr
 w/ 100 balls. no ball off but ball action
 ATR-5.8 bpm, ATP-2450, ISIP-1550

4/3/95 Western 4924-4936' : 3360 gal 2% KCl wtr.
 w/ 100 balls. No ball off, but action seen.
 ATR-6.0 bpm, ATP-3200, ISIP-1640

FRAC JOB

3/30/95 Western 5266'-5306' : 2400gal 2% KCl pad, 20,034 gal
 2% KCl w/ 23,060# 20/40 & 41,460# 16/30
 sand, flush w/ 5263 gal 2% KCl wtr. ISIP-2300
 ATP-2350, ATR-31.6 bpm, 5min-1740, 10min-
 1680, 15min-1610, 30min-1530.

4/3/95 Western 4924'-4936' : 2500gal 2% KCl pad, 59,020#
 16/30 sand w/ 19,278 gal 2% KCl wtr. Flush w/
 4914gal 2% KCl. ATR-31.8bpm, ATP-2800,
 ISIP-2480, 5min-1850, 10min-1610, 15min-1540,
 30min-1470

PERFORATION RECORD

3/29/95 Cutter 5266' - 5268' 4 SPF 2 ft 8 holes
 5296' - 5306' 4 SPF 10 ft 40 holes

4/3/95 Cutter 4924' - 4936' 4 SPF 12 ft 48 holes

4924' - 4936'

5266' - 5268'
 5296' - 5306'

S.N. @ 5330' KB

EOT - 5363' KB

PBTD @ 5745' KB

TD @ 5800' KB



Elev. - 5077' GL
 KB - 5087' KB (10')

WELLBORE DIAGRAM

DATE : 1/31/97 DZ

SURFACE CASING

SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 259.85' (6 jts)
 DEPTH LANDED: 269.85' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs class "G" + 2% CCI +
 1/4 #/sk celloseal

PRODUCTION CASING

270' KB

SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5790.4' (129 jts)
 DEPTH LANDED: 5799.4' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 283 sxs super class "G" + (47 # "G" +
 17#CSE+1/4# celloseal+2# HiSeal +
 20# Poz)/sk + 3% salt + 2% gel
 Tail w/ 340 sxs 50-50 POZ + 2% gel +
 (1/4# celloseal+2#HiSeal)/sk

CEMENT TOP AT: 1238' KB

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55
 NO. OF JOINTS: 134 jts (4127.87')
 TUBING ANCHOR: trico 2.35' @ 4139.22'KB
 NO. OF JOINTS: 25 jts (768.25')
 SEATING NIPPLE: 1.1' @ 4907.47'KB
 PERF. SUB: 4.2
 MUD ANCHOR: 1 jt - 30.82' w/ NC
 STRING LENGTH: 4933.59'
 SN at: 4907.47' KB

SUCKER ROD RECORD

POLISHED ROD: 1-1/4" x 22'
 SUCKER RODS: one - 3/4" x 6' Pony
 195 - 3/4" x 25' D-61 Plain

TOTAL STRING LENGTH: 4903'

PUMP SIZE: BHP 2-1/2 x 1-1/2 x 16' RHAC
 w/ SM plunger TRICO #1185

ACID JOB / BREAKDOWN JOB

3/6/95 Western 4856'-4873' : 2814 gal 2% KCl wtr
 w/ 100 balls. no ball off but ball action
 ATR-5.3 bpm, ATP-2400, ISIP-1450

3/9/95 Western 4166'-4197' : 3087 gal 2% KCl wtr,
 w/ 160 balls. No ball off, but action seen.
 ATR-6.0 bpm, ATP-2600, ISIP-1700

FRAC JOB

3/7/95 Western 4856'-4873' : 3000gal 2% KCl pad, 18,438 gal
 2% KCl w/ 64,000# 16/30 sand. Flush w/
 4998 gal 2% KCl wtr. ISIP-2300
 ATP-2400, ATR-30.4 bpm, 5min-1880, 10min-
 1600, 15min-1560, 30min-1370.

3/10/95 Western 4166'-4197' : 4400gal 2% KCl pad, 94,760#
 16/30 sand w/ 26,418 gal 2% KCl wtr. Flush w/
 4074gal 2% KCl. ATR-31.5bpm, ATP-2350,
 ISIP-2300, 5min-2100, 10min-1980, 15min-1800,
 30min-1380

PERFORATION RECORD

3/6/95 Schlumberger 4856' - 4860' 4 SPF 4 ft 16 holes
 4864' - 4873' 4 SPF 9 ft 36 holes

3/9/95 Schlumberger 4166'-4174' 4 SPF 8 ft 32 holes
 4176'-4186' 4 SPF 10 ft 40 holes
 4195'-4197' 4 SPF 2 ft 8 holes

4166'-74' & 4176'-86'
 4195'-97'

4856'-60'
 4864'-73'

S.N. @ 4910' KB

EOT - 4935' KB

PBTD @ 5754' KB
 TD @ 5850' KB



Balcon Monument State #21-2-9-17
 Monument Butte
 ML-45555
 NE NW Section 2, T9S, R17E
 821' FNL, 2187' FWL
 Uintah County, Utah

Elev.GR - 5017' GL
 Elev.KB - 5027' KB (10' KB)

WELLBORE DIAGRAM

DATE : 11/8/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 247.40'
 DEPTH LANDED: 257.40' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: BJ Services: 160 sks class "G", 2% CaCl₂, 1/4#/sk
 Cello-seal.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5799.28'
 DEPTH LANDED: 5809.28' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: BJ Services: 278 sks "Super G" 47#/sk G, 3# sk POZ, 34#/sk BA-91, 3% salt, 2% gel, 3#/sk hi-seal-2, 1/4#/sk cello-seal.
 Tail w/ 330 sks 50/50 POZ, 2% gel, 1/4#/sk cello-seal, 2#/sk Hi-seal-2.

CEMENT TOP AT: 2820' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE / J-55 / 6.5#
 NO. OF JOINTS: 135 Jts (4190.68')
 TUBING ANCHOR: 2-7/8"x5-1/2"x2.35'
 NO. OF JOINTS: 24 Jts (735.45')
 SEATING NIPPLE: 2-7/8"x1.10'
 PERFORATED SUB: 2-7/8"x4.20'
 MUD ANCHOR: 2-7/8"x28.50'
 STRING LENGTH: 4971.68'
 SN LANDED AT: 4937' KB

SUCKER RODS

WELL LAST PULLED: completion

POLISHED ROD: 1-1/4"x22' SM
 SUCKER RODS: 1-3/4"x6' Pony
 1-3/4"x8' Pony
 196-3/4"x25' D-61 Plain

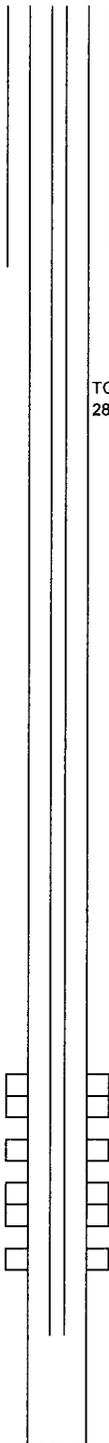
TOTAL STRING LENGTH: 4936'

PUMP NUMBER: Trico # 210
 PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 86 inches
 PUMP SPEED, SPM: 4.25 spm
 PUMPING UNIT SIZE: Lufkin C228D-213-86
 SN: 5449M384441
 PRIME MOVER: Ajax E-42
 SN: 72705

TANK SIZES & NUMBERS: 2-400 bbl , Natco 12'x20'
 TANK #1 SN: 9E-05301-05
 TANK #2 SN: 9E-05301-12

LOGS: CBL/GR/Collar;
 Dual Laterolog;
 Spectral Density Dual
 Spaced Neutron.



ACID JOB /BREAKDOWN

Date	Depth Range	Services
12/11/95	4913'-4920'	BJ Services: 1638 gal 2% KCL water w/ 10 ball sealers. Balled off. ATP= 2550 psi, ATR= 4.3 bpm, ISIP= 1300 psi.
12/11/95	4770'-4790' 4812'-4814' 4817'-4824'	BJ Services: 2016 gal 2% KCL water w/ 28 ball sealers. Balled off. ATP= 1800 psi, ATR= 4.0 bpm, ISIP= 1050 psi.
12/14/95	4294'-4312'	BJ Services: 1890 gal 2% KCL water w/ 16 ball sealers. Ball action but no ball off. ATP= 2700 psi, ATR= 4.0 bpm, ISIP= 1900 psi.
12/14/95	4224'-4232'	BJ Services: 1470 gal 2% KCL water w/ 12 ball sealers. Balled off. ATP= 2500 psi, ATR= 4.1 bpm, ISIP= 1900 psi.

FRAC JOB

Date	Depth Range	Services
12/12/95	4770'-4790' 4812'-4814' 4817'-4824' 4913'-4920'	BJ Services: 45,318 gal 2% KCL water w/ 163,940# 16/30 sand. ATP= 2600 psi, ATR= 41.0 bpm, ISIP= 2090 psi, 5 min= 1650 psi, 10 min= 1600 psi, 15 min= 1580 psi, 30 min= 1420 psi.
12/15/95	4224'-4232' 4294'-4312'	BJ Services: 32,634 gal 2% KCL water w/ 117,000# 16/30 sand. ATP= 2750 psi, ATR=31.4 bpm, ISIP= 2450 psi, 5 min= 1890 psi, 10 min= 1730 psi, 15 min= 1480 psi, 30 min= 1280 psi.

PERFORATION RECORD

Date	Company	Depth Range	Holes
12/11/95	Schlumberger	4913'-4920'	5 Holes
		4812'-4814'	2 Holes
		4817'-4824'	2 Holes
		4770'-4790'	10 Holes
12/14/95	Schlumberger	4224'-4232'	6 Holes
		4294'-4312'	8 Holes

SN LANDED @ 4937' KB
 EOT LANDED @ 4972' KB

PBTD @ 5763' KB
 TD @ 5850' KB



Elev.GR - 5,002'

Elev.KB -

WELLBORE DIAGRAM

DATE : 3/6/96

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 251.9'
DEPTH LANDED: 261.9'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs G & 2% CaCl2 +
1/4# per sx cello flakes

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5837.72'
DEPTH LANDED: 5847.72' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 240 sxs super G, 47#/sx class G
+ 3#/sx poz + 34#/sx BA-91 + 3%
salt + 2% gel + 2#/sx cello seal
Tail w/430 sxs 50/50 poz + 2% gel
+ .25#/sx hi seal #2.
CEMENT TOP AT: 1300' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 153 jts (4731.01')
TUBING ANCHOR: trico 2.35' @ 4743.36' KB
NO. OF JOINTS: 7 jts (216.80')
SEATING NIPPLE: 1.10' @ 4996.121' KB
PERFORATED SUB: 4.2'
MUD ANCHOR: 1 jt - 29.99' w/NC
STRING LENGTH: 4985.45'
SN LANDED AT: 4961.26' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22'
SUCKER RODS: two - 3/4" x 8' Pony
197 - 3/4" x 25' D-61 Plain

STRING LENGTH: 4981'

PUMP NUMBER:
PUMP SIZE:

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

LOGS:

ACID JOB /BREAKDOWN

2/21/96 BJ Services 5254' - 5258': 1680 gal 2% KCL wtr
w/32 balls, ball out. ATR-4.2 bpm,
ATP-3500, no ISIP. No good break.
2/22/96 BJ Services 5254' - 5258': 250 gal 15% HCL acid,
2058 gal 2% KCL wtr w/32 balls, surge
balls off. ATR-4.0 bpm, ATP-3000, ISIP-1900
2/27/96 BJ Services 4906' - 4925': 1764 gal 2% KCl wtr w/20
balls, surge balls off. ATR-4.8 bpm, ATP-
3000, ISIP-1100.
4783' - 4804': 1764 gal 2% KCl wtr w/18
balls, surge balls off. ATR-4.5 bpm, ATP-
3000, ISIP-900.

FRAC JOB

2/22/96 BJ Services 5254' - 5258': 9156gal 2% KCl wtr w/11520 lbs
20/40 & 12300 lbs 16/30, flush w/2562 gal 2%
KCl wtr. ATP-4000, ATR-19.5 bpm, ISIP-4000
2/27/96 BJ Services 4783' - 4925': 46368gal 2% KCl wtr w/162,940
lbs 16/30, flush w/4746gal 2% KCl wtr. ATR-
37.3 bpm, ATP-2500, ISIP-1780, 5 min-1320,
10 min-1210, 15 min-1130, 30 min-1060.

PERFORATION RECORD

2/21/96 Schlumberger 5254' - 5258' 4 SPF 4 ft 16 holes
2/27/96 Schlumberger 4906' - 4925' 10 holes
4802' - 4804' 2 holes
4795' - 4801' 2 holes
4788' - 4793' 3 holes
4783' - 4787' 2 holes

SN LANDED @ 4961.25' KB
EOT LANDED @ ' KB

PBTD @ 5801' KB
TD @ 5850' KB

UNICHEM

A Division of BJ Services

RECEIVED JUN - 4 1997

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

Attachment F

WATER ANALYSIS REPORT

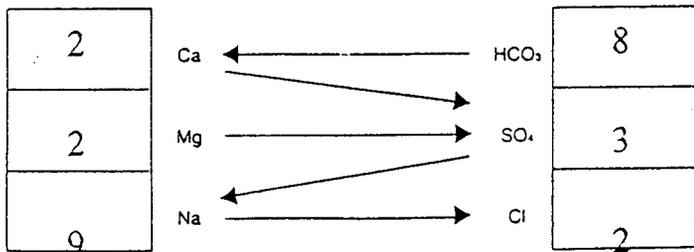
Company INLAND Address _____ Date 05-08-97

Source JOHNSON WATER Date Sampled 05-08-97 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.5</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>974</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>0</u>	÷ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>490</u>	÷ 61 <u>8</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>71</u>	÷ 35.5 <u>2</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>130</u>	÷ 48 <u>3</u> SO ₄
10. Calcium (Ca)	Ca	<u>48</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)	MG	<u>24</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)		<u>220</u>	
13. Total Iron (Fe)		<u>37</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>4</u>			<u>336</u>
Na ₂ SO ₄	71.03	<u>3</u>			<u>213</u>
NaCl	58.46	<u>2</u>			<u>117</u>

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

ATTACHMENT F-1

WATER ANALYSIS OF THE FLUID IN THE FORMATION

This well was completed, but never produced; therefore, this analysis is not available.

ATTACHMENT F-2

WATER ANALYSIS OF THE COMPATIBILITY OF THE FLUIDS

This well was completed, but never produced; therefore, this analysis is not available.

Exhibit G

**Monument State #11-2-9-17CD
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4916	4931	4924	1400	0.72	1400
4790	4793	4792	1600	0.77	1604
4232	4259	4246	1500	0.79	1502
4074	4084	4079	1675	0.85	1446
Minimum					<u><u>1400</u></u>

Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.



EQUITABLE RESOURCES ENERGY COMPANY

BALCON OIL DIVISION
 1601 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017
 (406) 259-7860

TREATMENT REPORT

DATE OF TREATMENT: 9-23-96

Well Name MONUMENT STATE 11-2-9-17 CD Sec. 2 TWN. 9 S RNG. 17 E
 Field MONUMENT BUTTE County DUCHESSNE State UT.
 Formation: GREEN RIVER (R-5 ZONE)
 Perforations: 4916-20, 4928-31

Treatment Type: KCL BREAK DOWN Total Number of Holes: 10

Treatment Company: BJ SERVICES

SAND CHARACTERISTICS

VOLUME		FLUID	CONC.			SIZE	SAND VOLUME	
SLURRY BBLs	CLEAN GAL		# / GAL	BPM	PSI		CALC.	ACTUAL
		/				/	#	#
			/				#	#
			/				#	#
			/				#	#
			/				#	#
			/				#	#
			/				#	#
			/				#	#
			/				#	#
			/				#	#

TOTAL FLUID PUMPED: _____ gal. _____ % Acid
1890 gal. 2% KCL WATER Fluid

TOTAL SAND VOLUME: _____ lbs. _____ sand
 _____ lbs. _____ sand
 _____ lbs. _____ sand

Flushed well with _____ gal. of _____
20 ball sealers were pumped. Was ball action seen? YES. BALL OUT

Barrels of Load to Recover 45 BLTR.

Avg. Treating Pressure = 2100 psl, max = 4050 psl, min. = 1900 psl.

Avg. Treating Rate = 3.3 bpm, max = 3.3 bpm, min. = 3.3 bpm.

ISIP = 1400 psl, 5 min. = _____ psl, 10 min. = _____ psl, 15 min. = _____ psl.

Well will be shut in for 0 hours before bringing back fluid.

REMARKS:

INITIAL BREAK .5 BPM AT 3350 PSI, BACK TO 3.3 BPM AT 1840 PSI. SURGE BALLS OFF
INJECTION TEST, 6.5 BPM AT 3160 PSI Wellsite Supervisor: Dale [Signature]
100FPS W/ FRAC GRADIENT: .724



EQUITABLE RESOURCES ENERGY COMPANY
 BALCRON OIL DIVISION
 1601 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017
 (406) 259-7860

TREATMENT REPORT

DATE OF TREATMENT: 9-23-96

Well Name MONUMENT STATE 11-2-9-17CD Sec. 2 TWN. 9 S RNG. 17 E
 Field MONUMENT BUTTE County DUCHESSNE State WY.
 Formation: GREEN RIVER (A-2 ZONE)
 Perforations: 4790-93

Treatment Type: KCL BREAK DOWN Total Number of Holes: 6
 Treatment Company: BJ SERVICES SAND CHARACTERISTICS

VOLUME		FLUID	CONC.			SIZE	SAND VOLUME	
SLURRY BBLs	CLEAN GAL		# / GAL	BPM	PSI		CALC.	ACTUAL
		/					#	#
							#	#
							#	#
							#	#
							#	#
							#	#
							#	#
							#	#
							#	#
							#	#

TOTAL FLUID PUMPED: 18498 gal. 2% KCL WATER % Acid Fluid

TOTAL SAND VOLUME: 1 lbs. sand
1 lbs. sand
1 lbs. sand

Flushed well with 12 gal. of ball sealers were pumped. Was ball action seen? YES, NO BALL OUT

Barrels of Load to Recover 44 BLTR

Avg. Treating Pressure = 2100 psi, max = 3350 psi, min. = 1900 psi.

Avg. Treating Rate = 3.0 bpm, max = 3.0 bpm, min. = 3.0 bpm.

ISIP = 1600 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.

Well will be shut in for 0 hours before bringing back fluid.

REMARKS: INITIAL BREAK AT 1.0 BPM AT 2250 PSI, BACK TO 3.0 BPM AT 2100 PSI, SWAGE BALLS OFF.
INJECTION TEST: 5.5 BPM AT 3050 PSI Wellsite Supervisor: Dale Griffin
1000 PSI BAC GRADIENT: 0.774



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
PO Box 21017
Billings, MT 59104-1017
(406) 259-7860

TREATMENT REPORT

DATE OF TREATMENT : 9-26-96

Well Name MONUMENT STATE 11-2-9-17 Sec. 2 TWN. 9S RNG. 17E
Field MONUMENT BUTTE County DUCHESNE State WY.
Formation : GREEN RIVER (Y-1 ZONE)
Perforations : 4074-4084

Treatment Type : KCL BREAK DOWN Total Number of Holes : 40
Treatment Company : BJ SERVICES SAND CHARACTERISTICS

VOLUME		FLUID	CONC.			SIZE	SAND VOLUME	
SLOPPY BBLs	CLEAN GAL		# / GAL	BPM	PSI		CALC.	ACTUAL
		/					#	#
							#	#
							#	#
							#	#
							#	#
							#	#
							#	#
							#	#
							#	#
							#	#

TOTAL FLUID PUMPED: _____ gal. _____ % Acid
2436 gal. 2% KCL WATER Fluid

TOTAL SAND VOLUME: _____ lbs. _____ sand
_____ lbs. _____ sand
_____ lbs. _____ sand

Flushed well with _____ gal. of _____
80 ball sealers were pumped. Was ball action seen? YES, NO BALL OFF.

Barrels of Load to Recover 578 BLTR.

Avg. Treating Pressure = 2200 psi, max = 4020 psi, min. = 2100 psi.

Avg. Treating Rate = 5.0 bpm, max = 5.0 bpm, min. = 5.0 bpm.

ISIP = 1675 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.

Well will be shut in for 0 hours before bringing back fluid.

REMARKS: _____

INITIAL BREAK AT 1.5 BPM, 3820 PSI, BACK TO 5.2 BPM 2100 PSI. SURGE BALLS OFF.

INJECTION TEST: 7.9 BPM AT 3130 PSI Wellsite Supervisor: Dale Griffin

1/3000 * FRAC GRADIENT 2.49

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** Set 335' plug from 4690'-4981' with 30 sxs Class "G" cement.
2. **Plug #2** Set 291' plug from 3974'-4309' with 45 sxs Class "G" cement.
3. **Plug #3** Set 200' plug from 2200'-2000' with 30 sxs Class "G" cement.
4. **Plug #4** Set 100' plug from 306'-206' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
5. **Plug #5** Set 50' plug from surface with 10 sxs Class "G" cement.
6. Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 256' to surface.

The approximate cost to plug and abandon this well is \$18,000.



Attachment H-1
 Monument State #11-2-9-17CD
 Monument Butte
 State ML-45555
 NW NW Section 2, T9S, R17E
 634' FNL, 863' FWL
 Duchesne County, Utah

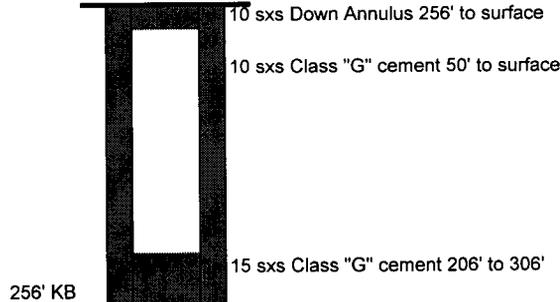
Elev.GR - 5044' GL
 Elev.KB - 5054' KB (10' KB)

**PROPOSED P&A
 WELLBORE DIAGRAM**

DATE : 12/22/97 dek

SURFACE CASING

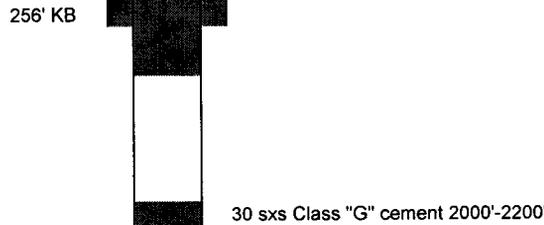
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 246'
 DEPTH LANDED: 256' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: BJ Services: 160 sks.



PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5429'
 DEPTH LANDED: 5439' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: BJ Services: 155 sks Super "G" w/
 3% salt, 2% gel, 2#/sk Korseal,
 1/4#/sk Celloflake. Tail w/ 280 sks of
 50/50 POZ w/ 2% gel, 2#/sk Korseal,
 1/4#/sk Celloflakes.

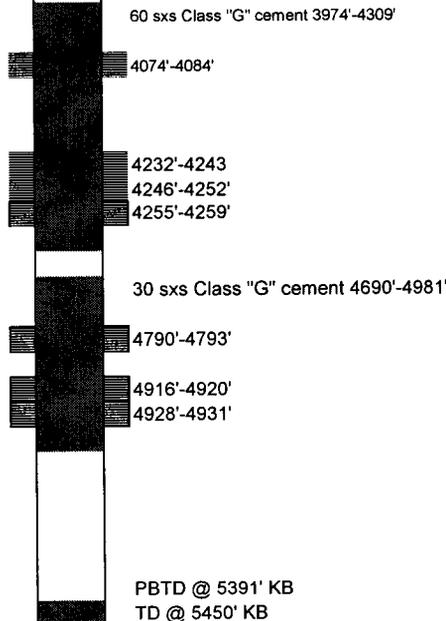
CEMENT TOP AT: 1910' KB



TUBING

SIZE/GRADE/WT.:
 NO. OF JOINTS:
 SEATING NIPPLE:
 ARROW SET 1 PACKER:
 PACKER LANDED AT:

PACKER FLUID:





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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

January 29, 1998

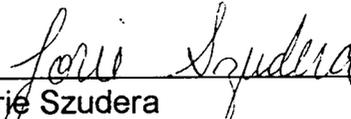
Uintah Basin Standard
268 South 200 East
Roosevel, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-204

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, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801.

Sincerely,


Lorie Szudera
Secretary

Enclosure

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

---ooOoo---

IN THE MATTER OF THE APPLICATION : NOTICE OF AGENCY ACTION
OF INLAND PRODUCTION COMPANY FOR :
ADMINISTRATIVE APPROVAL OF THE : CAUSE NO. UIC-204
MONUMENT STATE 13-2, 11-2, AND 31-2 :
WELLS LOCATED IN SECTION 2, 43013 31685
TOWNSHIP 9 SOUTH RANGE 17 EAST,
S.L.M., DUCHESNE AND UINTAH COUNTIES,
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 Inland Production Company for administrative approval of the Monument State 13-2, 11-2 and 31-2 wells, located in Section 2, Township 9 South, Range 17 East, Duchesne and Uintah Counties, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Douglas Creek Member of the Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland.

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 of the date of 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 29th day of January, 1998.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



John R. Baza
Associate Director, Oil and Gas

**Inland Production Company
State 13-2, 11-2, and 31-2 Wells
Cause No. UIC-204**

Publication Notices were sent to the following:

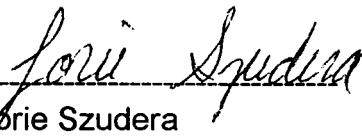
Salt Lake Tribune
PO Box 867
Salt Lake City, UT 84110

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

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

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

Inland Production Company
475 17th Street
Denver, Co 80202,



Lorie Szudera
Secretary

January 29, 1998



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

January 29, 1998

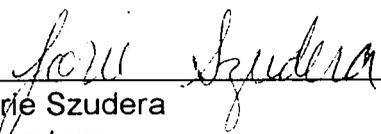
Salt Lake Tribune
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-204

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, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801.

Sincerely,



Lorie Szudera
Secretary

Enclosure



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

Michael O. Leavitt
Governor
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Salt Lake City, Utah 84114-5801
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January 29, 1998

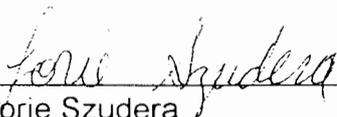
Salt Lake Tribune
PO Box 867
Salt Lake City, UT 84110

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Sincerely,



Lorie Szudera
Secretary

Enclosure

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

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF INLAND PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF THE	:	CAUSE NO. UIC-204
MONUMENT STATE 13-2, 11-2, AND 31-2	:	
WELLS LOCATED IN SECTION 2,	:	
TOWNSHIP 9 SOUTH RANGE 17 EAST,	:	
S.L.M., DUCHESNE AND Uintah COUNTIES,	:	
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 Inland Production Company for administrative approval of the Monument State 13-2, 11-2 and 31-2 wells, located in Section 2, Township 9 South, Range 17 East, Duchesne and Uintah Counties, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Douglas Creek Member of the Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland.

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 of the date of 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 29th day of January, 1998.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



John R. Baza
Associate Director, Oil and Gas

**Inland Production Company
State 13-2, 11-2, and 31-2 Wells
Cause No. UIC-204**

Publication Notices were sent to the following:

Salt Lake Tribune
PO Box 867
Salt Lake City, UT 84110

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

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

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

Inland Production Company
475 17th Street
Denver, Co 80202

Lorie Szudera
Secretary
January 29, 1998



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

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1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

February 2, 1998

Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202

Re: Monument State 11-2, 13-2 and 31-2 wells, Castledraw Unit Section 2, Township 9 South, Range 17 East, Duchesne and Uintah Counties, 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. 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 Inland Production Company.
3. A radioactive tracer survey will be run six months after the well commences injection. This survey will be run to help determine if there is communication with other productive intervals outside the Castledraw unit area. If with test results it is determined that there is communication, injection shall cease until the unit is expanded to include the effected wells outside the existing unit.

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

Sincerely,

John R. Baza
Associate Director, Oil and Gas

cc: Jim Cooper, SITLA (w/attachments)
Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Roosevelt

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company
Location: 2/9S/17E

Well: Monument State 11-2
API: 43-013-31685

Ownership Issues: The proposed well is located on lands administered by the School Institutional Trust Lands Administration (SITLA). SITLA and the BLM are the only surface owners in the one-half mile radius of the well. SITLA and the BLM are also the mineral owners. Inland holds all leases in section 2 which was approved as a waterflood project (Castledraw Unit cause # 228-3). Mineral leases outside the unit and within the one-half mile radius are held by Inland and various other individuals. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent to convert the well to an injection well.

Well Integrity: The well proposed for injection is the Monument State 11-2. The well has surface casing set at 256 feet and is cemented to surface. A 5 ½ inch production casing is set at 5429 feet and has a cement top at approximately 1900 feet. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing and packer will be set at 3990 feet. A mechanical integrity test will be run on the well prior to injection. There are 4 producing wells and 1 injection well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 1300 feet to 2000 feet. The proposed injector and all wells in the area of review have cement tops above the base of moderately saline water. Injection shall be limited to the interval between 4074 feet and 4931 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 11-2 well is .72 psig/ft., which was the lowest reported fracture gradient for the injection zone. The resulting fracture pressure at the proposed uppermost perforation at 4074 feet is 1400 psig. The requested maximum pressure was 1400 psi., the anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected. Water analysis submitted by Inland indicates that the quality of the water in the zone of injection exceeds 20,000 mg/l. The zone is not considered a USDW. The water to be injected is from the Johnson water district, reports indicate the quality of this water to be approximately 900 mg/l.

Oil/Gas& Other Mineral Resources Protection: At the time the Castledraw unit was approved there was no other wells outside the unit area and it was felt that correlative rights were protected. Since that time new wells have been drilled outside the area and are within the one-half mile area of review. Additionally the location of this well places it near the unit boundary and there is a producing well off to the west. Although Inland is the major lease holder in the surrounding acreage, it is felt that allowing injection into this well may not be in the best interest of the mineral owner.

Bonding: The well is bonded with the SITLA.

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing tubing pressure test will be required prior to injection. It is recommended that the well be conditionally approved. The application is technically complete but the issue of correlative rights should be addressed by Inland prior to granting an approval to inject. SITLA was notified of the possible correlative rights issue. Jim Cooper will contact Inland, additionally I spoke with Kevin Weller of Inland and notified him of our concerns. He said that Inland has plans to unitize the area.

3-2-98, The issue of correlative rights has been discussed with both John Dyer of Inland and Jim Cooper with SITLA. Inland submitted structure maps and sand isopach maps which show that the proposed injection interval does not appear to be connected to the producing interval in wells outside the unit boundary. An agreement has been reached between the SITLA, Inland and Division staff. The Division will stipulate that after 6 months of injection, a radioactive tracer survey will be run to help determine if the zones are in fact not connected. SITLA has agreed to allow injection contingent on the fact that Inland run the tracer survey and move to expand the unit to encompass leases and production outside the unit area. Inland has agreed to the above conditions. Additionally Inland has stated that in their experience with the Monument Butte water floods, effects of the flood generally take up to 12 months. They feel that measures to expand the unit will be underway much sooner than the 12 months. The Division staff recommends approval of the three proposed injectors with the stipulation that Inland run the radioactive tracer survey and initiate a proposal to expand the unit.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): D.Jarvis Date: 2/4/98

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

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 <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <p style="text-align: center;">ML-45555</p> 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <p style="text-align: center;">N/A</p> 7. UNIT AGREEMENT NAME <p style="text-align: center;">NA</p> 8. FARM OR LEASE NAME <p style="text-align: center;">MONUMENT STATE</p> 9. WELL NO. <p style="text-align: center;">11-2-9-17CD</p> 10. FIELD AND POOL, OR WILDCAT <p style="text-align: center;">MONUMENT BUTTE</p> 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <p style="text-align: center;">NW/NW Section 2, T09S R17E</p>	
2. NAME OF OPERATOR <p style="text-align: center;">INLAND PRODUCTION COMPANY</p> 3. ADDRESS OF OPERATOR <p style="text-align: center;">475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900</p> 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <p style="text-align: center;">NW/NW 0634 FNL 0863 FWL</p>		12. COUNTY OR PARISH <p style="text-align: center;">UINTAH</p> 13. STATE <p style="text-align: center;">UT</p>	
14. API NUMBER <p style="text-align: center;">43-013-31685</p>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <p style="text-align: center;">5044 GR</p>		

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

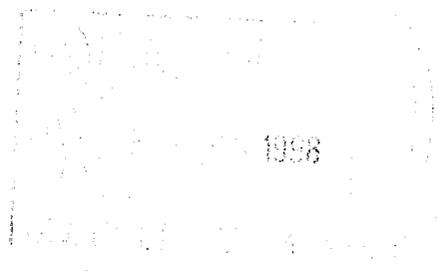
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> <input type="checkbox"/> (OTHER) <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <u>Weekly Status</u> <input checked="" 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.)*

WEEKLY STATUS REPORT FOR WEEK OF 1/15/98 - 1/21/98

Pull injection string. Run production tbg & rods.
Place well on production @ 11:15 am, 1/22/98.



18 I hereby certify that the foregoing is true and correct
 SIGNED Shannon Smith TITLE Engineering Secretary DATE 1/22/98

(This space for Federal or State office use)
 APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

WITC
 1-4-99
 RJK

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
ML-45555

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
NA

8. Well Name and No.
MONUMENT STATE 11-2-9-17CD

9. API Well No.
43-013-31685

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
**Duchesne
HINAH COUNTY, UTAH**

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0634 FNL 0863 FWL NW/NW Section 2, T09S R17E

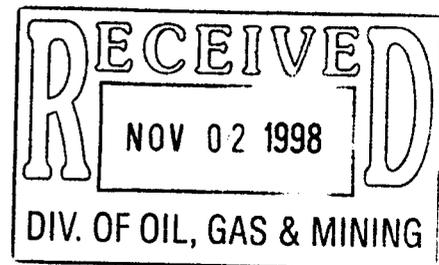
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

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



14. I hereby certify that the foregoing is true and correct
Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/30/98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:
CC: UTAH DOGM

Inland Production Company Site Facility Diagram

Monument State 11-2

NW/NW Sec. 2, T9S, 17E

Duchesne County

May 12, 1998

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

Production Phase:

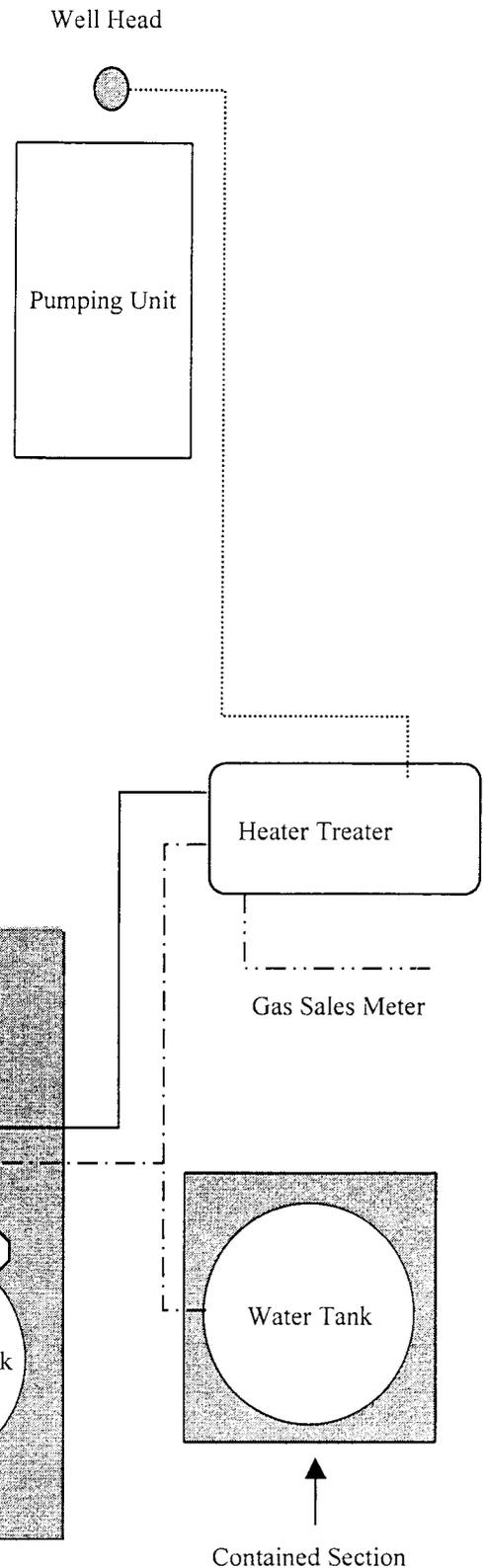
- 1) Valves 1, 3, 4 sealed closed
- 2) Valves 2 and 5 sealed open

Sales Phase:

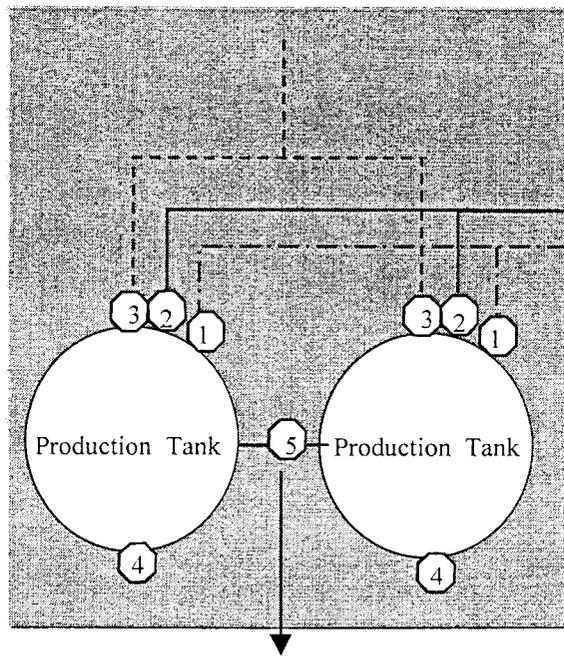
- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 3 open

Draining Phase:

- 1) Valve 1 open



Diked Section →



Equalizer Line

Legend

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
ML-45555

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA. Agreement Designation
CASTLE DRAW

8. Well Name and No.
MONUMENT STATE 11-2-9-17CD

9. API Well No.
43-013-31685

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
INLAND PRODUCTION COMPANY

3. Address and Telephone No.
Route 3, Box 3630, Myton Utah 84052 (435-646-3721)

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
0634 FNL 0863 FWL NW/NW Section 2, T09S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input 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 subject well was converted from a production to an injection well on 6/6/00. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 3976'.

RECEIVED
JUN 12 2000
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
 Signed *[Signature]* Title District Engineer Date 6/6/00

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

[Handwritten initials]
6-20-00

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.



SUMMARY WORKOVER REPORT

MON ST 11-2-9-171

NW/NW Section 2 - T9S - R17E

Uintah Co., UT

API # 43-013-1685

Spud Dat. 9/4/96

TD 5450'

Completion or Workover Rig BASIN #1

Injection Conversion

Report Date 6/5/00 Day 1

Date Work Performed 6/3/00

MIRU SU H/O Trk pmpd 80 bbls wtr dn csg @ 250 deg F. Unseat pmp flush rods w/ 40 bbls wtr, soft seat pmp fill tbg w/ 6 bbls wtr & press test to 3000 psi. Unseat pmp and TOOH LD rods (flush tbg w/ 35 more bbls wtr when rods became dirty). ND dwn wellhead release TA NU BOP. TOOH w/ tbg LD TA and btm hole assembly. TIH 4 3/4" bit w/ 5-1/2" scraper to 4970'. LD 25 jts M-50 tbg RU tongs to brk collars and SDFN

Daily Cost \$4,200 Cumulative Cost \$4,200

Report Date 6/6/00 Day 2

Injection Conversion

Date Work Performed 6/5/00

Bled well dn. Finish TOOH w/ bit and scraper breaking, inspecting and applying Liquid 'O' Ring to every pin. TIH w/ Entry guide, Arrow set 1, 2-7/8" to 2-3/8" change-over, SN (w/stand-in valve in place) 128 jts tbg. Couldn't get tbg to test, bled off 200 psi in 15 mins. On 3000 # test. Try to fish stand-in valve. Add 4 - 3/4" rods and 100 bbls wtr. Fished stand-in valve. SIFN

Daily Cost \$4,000 Cumulative Cost \$8,200

Report Date 6/7/00 Day 3

Injection Conversion

Date Work Performed 6/6/00

Bled well down. Drop stand-in valve dn tbg. Pump to bottom. Test tbg to 3000 psi for 35 min. Fish stand-in valve. Circ 65 bbls pkr fluid dn csg. Set pkr @ 3976.42' COE KB (16,000# tension), EOT @ 3979.80', SN @ 3973.24', 115 jts tbg @ 3972.14, 10 jts M-50 tbg @ 410.41'. Test tubing & packer to 1075 psi. RDMO SU. Well ready for MIT.

Daily Cost \$8,100 Cumulative Cost \$16,300

Report Date 6/10/00 Day 4

MIT on casing

Date Work Performed 6/9/00

Castle Draw Unit # UT2776-04429. Contacted Dennis Ingram with the State of Utah and got approval to conduct the test without a witness. Contacted Al Craver with the EPA and got approval to conduct the test without a witness. 1150 psi was placed on the casing with 110 psi on the tubing. There was no loss of pressure charted in a 1/2 hour test. The pressure was then released. The well is waiting on permission to inject.

Daily Cost \$0 Cumulative Cost \$16,300



PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

June 9, 2000

*Division Oil and Gas & Mining
Attn: Mr. Brad Hill
1594 West North Temple – Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801*

*RE: Monument State 11-2-9-17
API # 43-013-31685, ML-45555*

Dear Mr. Brad Hill

Please find enclosed the results of a MIT test conducted today on the above referenced well. On 6-9-00 there was 1150 psi put on casing with 110 psi on tubing there was no loss of pressure charted in a 1/2 hour test. Mr. Dennis Ingram with State of Utah was contacted and gave permission to conduct the test without a witness. The pressure was then released. The well is waiting on permission to inject.

If you have any questions or need further information, please don't hesitate to contact me. I can be reached at our Pleasant Valley Office at (435) 646-3721 or on my cellular at (435) 823-7977.

Sincerely,

*Ron Shuck
Production Foreman*

Enclosures

*cc: State of Utah – Division of Oil, Gas & Mining
Jon Holst - Inland Resources
Roosevelt & Denver Well Files*

/rs

RECEIVED

JUN 14 2000

**DIVISION OF
OIL, GAS AND MINING**

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

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.)		5. LEASE DESIGNATION AND SERIAL NO. ML-45555	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah, 84052 (435)646-3721		7. UNIT AGREEMENT NAME CASTLE DRAW	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/NW 0634 FNL 0863 FWL		8. FARM OR LEASE NAME MONUMENT STATE 11-2-9-17CD	
14 API NUMBER 43-013-31685		9. WELL NO. 11-2-9-17	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5044 GR		10. FIELD AND POOL OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA NW/NW Section 2, T09S R17E	
		12. COUNTY OR PARISH UINTAH	13. STATE UT

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"/>		(OTHER) <u>Injection Conversion</u>	<input checked="" type="checkbox"/>
(OTHER) Convert to Injection <input checked="" 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.)*

The above reference well was converted from a production well to an injection well on 6-7-00. Mr. Dennis Ingram with the State of Utah was contacted and gave verbal approval to conduct the test without a witness. The casing was then pressured to 1150 psi with 110 psi on the tubing. There was no loss of pressure charted in 1/2 hour test. The well is waiting on permission to inject.

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

SIGNED <u>Ron Shuck</u>	TITLE <u>Production Foreman</u>	DATE <u>6/10/00</u>
Ron Shuck		

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side

RECEIVED

JUN 14 2000

DIVISION OF
OIL, GAS AND MINING

JUN 14 2000

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: None Date: 6 1 9 1 0 0
 Test conducted by: Bob Spunk
 Others present: None

Well Name: <u>Duquesne State 11-2-9-17</u>	Type: <input checked="" type="radio"/> ER SWD	Status: <input checked="" type="radio"/> AC TA UC
Field: <u>Castle Draw</u>	<u>UT 2776-04429</u>	
Location: <u>NW/4</u>	Sec: <u>2 T 9 N(S) R 17(E)W</u>	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>Inland Production Co</u>		
Last MIT: <u>1 1</u>	Maximum Allowable Pressure:	<u>PSIG</u>

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
TUBING PRESSURE				
Initial Pressure		<u>110</u> psig	psig	psig
End of test pressure		<u>110</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE				
0 minutes		<u>1150</u> psig	psig	psig
5 minutes		<u>1150</u> psig	psig	psig
10 minutes		<u>1150</u> psig	psig	psig
15 minutes		<u>1150</u> psig	psig	psig
20 minutes		<u>1150</u> psig	psig	psig
25 minutes		<u>1150</u> psig	psig	psig
30 minutes		<u>1150</u> psig	psig	psig
minutes		psig	psig	psig
minutes		psig	psig	psig
RESULT		<input checked="" type="checkbox"/> Pass [] Fail	[] Pass [] Fail	[] Pass [] 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.:

*This well was a Production Well on Inland Converted
it to an Injection Well.*

RECEIVED

Signature of Witness: *Ron Mack*

JUN 14 2000

DIVISION OF
OIL, GAS AND MINING

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff _____ Date: / /

Do you agree with the reported test results? YES NO

If not, why? _____

Possible violation identified? YES NO

If YES, what _____

If YES - followup initiated? YES _____

NO - why not? _____

Data Entry

Compliance Staff

2nd Data Entry

Hardcopy Filing



RECEIVED

JUN 14 2000

DAILY WORKOVER REPORT

DIVISION OF OIL, GAS AND MINING

WELL NAME: Monument State 11-2-9-17

Report Date: 6-10-00

Day: 04

Operation: MIT on Casing

Rig: NA

WELL STATUS

Surf Csg: 8 5/8 @ 246' Prod Csg: 5 1/2" @ 5439' WT: 15.5 Csg PBDT: 5391'
Tbg: Size: 2 7/8" Wt: 6.5 Grd: J-55 Pkr/EOT @: 3980' BP/Sand PBDT: 5391'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Contains perforation data for zones 4074-4084', 4232-4243', 4246-4252', 4255-4259', and 4790-4793'.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 09-Jun-00

SITP: 110 SICP: 1150

Castle Draw unit # UT2776-04429. Contacted Dennis Ingram with the State of Utah and got approval to conduct the test without a witness. Contacted Al Craver with the EPA and got approval to conduct the test without a witness. 1150 psi was put on the tubing with 110 psi on the tubing. There was no loss of pressure charted in a 1/2 hour test. The pressure was then released. The well is waiting on permission to inject.

FLUID RECOVERY (BBLs)

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

TUBING DETAIL

ROD DETAIL

COSTS

Table with 3 columns: Tubing Detail, Rod Detail, and Costs. Lists items like KB, jts j-55, jts M-50 tbg, jts j-55 tbg, SN, change-over, Arrow Set, and Packer with their respective lengths and costs.

Workover Supervisor: Ron Shuck

DAILY COST:
TOTAL WELL COST:



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

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-204

Operator: Inland Production Company
Well: Monument State 11-2-9-17
Location: Section 2, Township 9 South, Range 17 East, Duchesne County
API No.: 43-013-31685
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 2, 1998
2. Maximum Allowable Injection Pressure: 1400 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4074 feet - 4931 feet)

Approved by: *John R. Baza*
for John R. Baza
Associate Director, Oil And Gas

6-14-00
Date

cc: Dan Jackson Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton
SITLA, Salt Lake City

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

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.)		5. LEASE DESIGNATION AND SERIAL NO. ML-45555	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME CASTLE DRAW	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton, Utah 84052 (435)646-3721		8. FARM OR LEASE NAME MONUMENT STATE 11-2-9-17CD	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/NW 0634 FNL 0863 FWL		9. WELL NO. 11-2	
14 API NUMBER 43-013-31685		10 FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5044 GR		11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/NW Section 2, T09S R17E	
12 COUNTY OR PARISH DUCHESNE		13 STATE UT	

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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>
(OTHER) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
	FRACTURE TREATMENT <input type="checkbox"/>
	ALTERING CASING <input type="checkbox"/>
	SHOOTING OR ACIDIZING <input type="checkbox"/>
	ABANDONMENT* <input type="checkbox"/>
	(OTHER) <u>First Report of Injection</u> <input checked="" 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.)*

The subject well was placed on water injection on 8/7/00.

18 I hereby certify that the foregoing is true and correct

SIGNED Martha Hall TITLE Office Manager DATE 8/16/00

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
Accepted for the
Utah
Oil, Gas and Mining
Instructions On Reverse Side

FOR RECORD ONLY

RECEIVED

AUG 18 2000 *WTL 4-26-00*

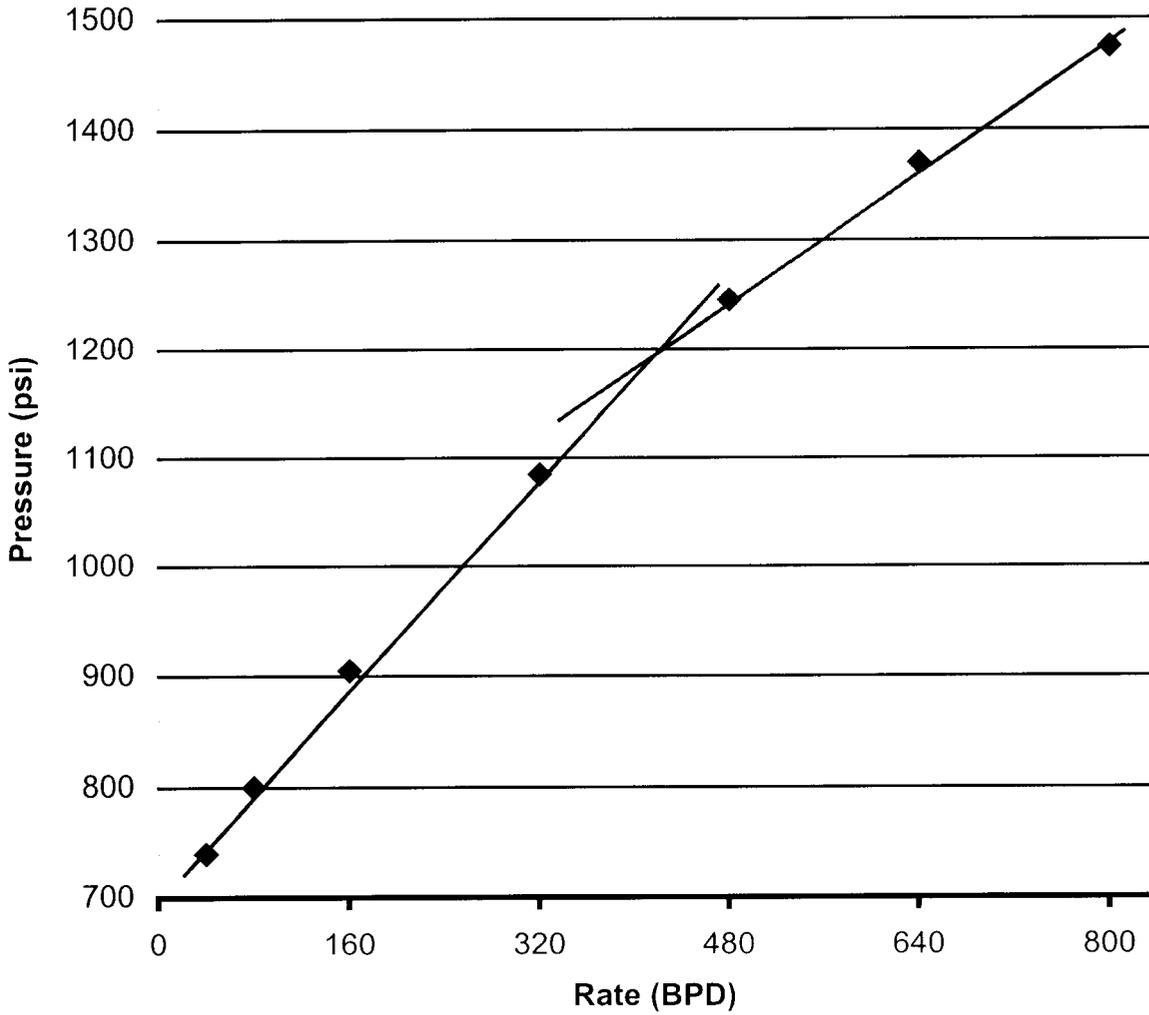
DIVISION OF
OIL, GAS AND MINING

M...ument State 11-2-9-17

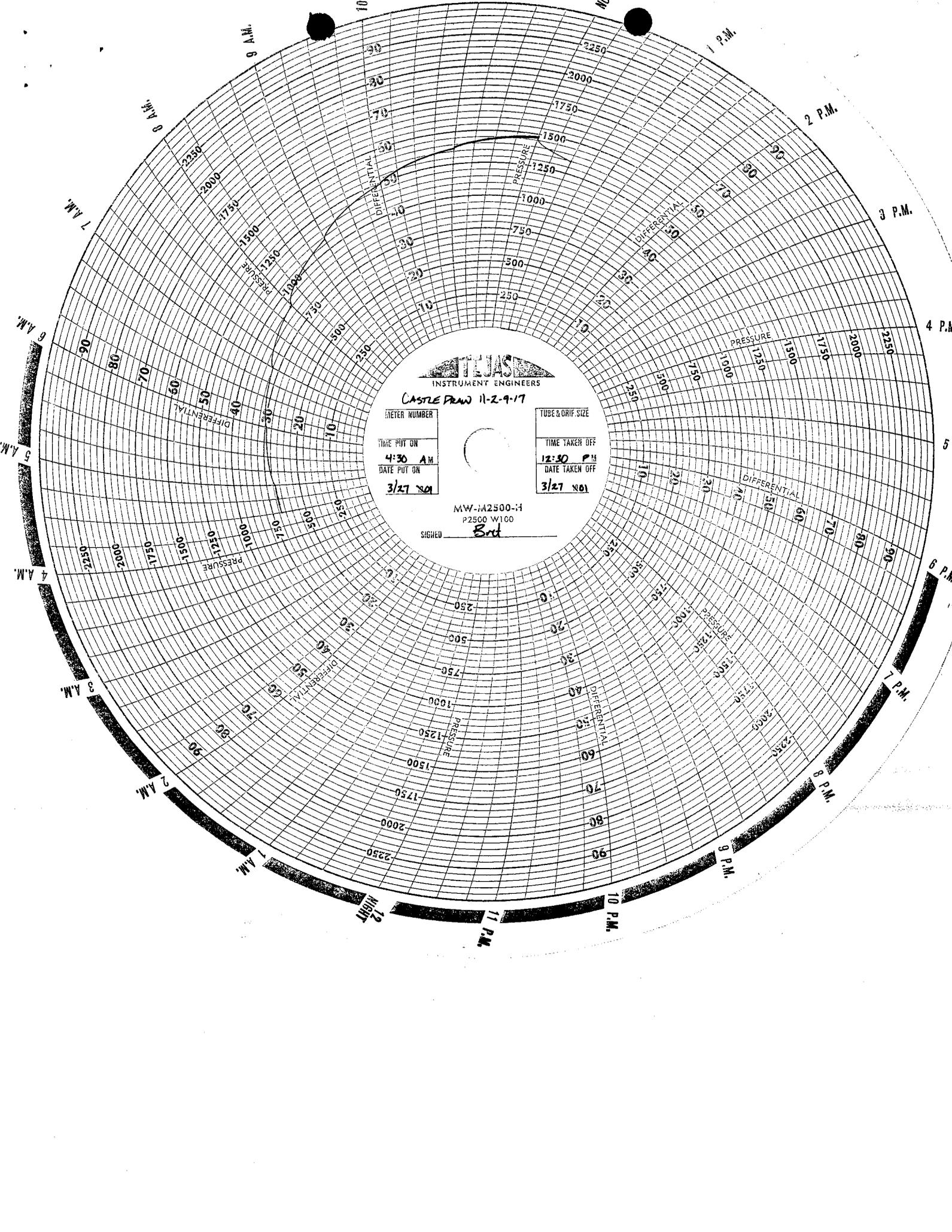
Castle Draw Unit

Step Rate Test

March 27, 2001



		<u>Step</u>	<u>ate(bpd</u>	<u>Pressure(</u>
Start Pressure:	685 psi	1	40	740
ISIP:	1450 psi	2	80	800
Fracture pressure:	1200 psi	3	160	905
Top Perforation:	4074 feet	4	320	1085
FG:	0.730 psi/ft	5	480	1245
		6	640	1370
		7	800	1475



CASTLE DRAW 11-2-9-17

METER NUMBER

TUBE & ORIF. SIZE

TIME PUT ON

TIME TAKEN OFF

4:30 A.M.

12:30 P.M.

DATE PUT ON

DATE TAKEN OFF

3/27 2011

3/27 2011

MW-1A2500-1
P2500 W100

SIGNED

Brd

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

<p>1. SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>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</p> <p>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection Well</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. ML-45555</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A</p> <p>7. UNIT AGREEMENT NAME CASTLE DRAW</p> <p>8. WELL NAME and NUMBER MONUMENT STATE 11-2CD-9-17</p> <p>9. API NUMBER 43-013-31685</p> <p>10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE</p>
<p>2. NAME OF OPERATOR INLAND PRODUCTION COMPANY</p>	
<p>3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</p>	
<p>4. LOCATION OF WELL</p> <p>Footages 634 FNL 863 FWL</p> <p>QQ, SEC, T, R, M: NW/NW Section 2, T09S R17E</p>	<p>COUNTY UINTAH STATE UTAH</p>

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

<p>NOTICE OF INTENT: (Submit in Duplicate)</p> <p><input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING</p> <p><input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE</p> <p><input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE</p> <p><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE</p> <p><input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF</p> <p><input type="checkbox"/> OTHER _____</p>	<p>SUBSEQUENT REPORT OF: (Submit Original Form Only)</p> <p><input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING</p> <p><input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE</p> <p><input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE</p> <p><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE</p> <p><input checked="" type="checkbox"/> OTHER Step Rate Test</p> <p>DATE WORK COMPLETED _____</p> <p>Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form</p> <p>*Must be accompanied by a cement verification report</p>
---	---

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 depth for all markers and zones pertinent to this work)

A step rate test was conducted on the subject well on 3/27/01. Results from the test indicate that the fracture gradient is .730 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 1200 psi.

13. NAME & SIGNATURE: Michael Guinn TITLE: District Engineer DATE: 4/13/01

(This space for State use only)

* See Instructions On Reverse Side

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

Date: 04-24-01
By: [Signature]

04/14/01
CIP

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS <small>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.</small>		5. LEASE DESIGNATION AND SERIAL NO. ML-4555
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A
3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		7. UNIT AGREEMENT NAME CASTLE DRAW
4. LOCATION OF WELL Footages 634 FNL 863 FWL Q.Q. SEC. T. R. M NW/NW Section 2, T9S R17E		8. WELL NAME and NUMBER MON ST 11-2-9-17CD
		9. API NUMBER 43-013-31685
		10. FIELD AND POOL OR WILDCAT MONUMENT BUTTE
		COUNTY DUCHESNE STATE UTAH

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

NOTICE OF INTENT: <small>(Submit in Duplicate)</small>	SUBSEQUENT REPORT OF: <small>(Submit Original Form Only)</small>
<input type="checkbox"/> ABANDON	<input type="checkbox"/> ABANDON*
<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> REPAIR CASING
<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> CHANGE OF PLANS
<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> CONVERT TO INJECTION
<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE
<input type="checkbox"/> MULTIPLE COMPLETION	<input checked="" type="checkbox"/> OTHER <u>Step Rate Test</u>
<input type="checkbox"/> OTHER _____	
<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> NEW CONSTRUCTION
<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> PULL OR ALTER CASING
<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> RECOMPLETE
<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> REPERFORATE
<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> WATER SHUT OFF	

DATE WORK COMPLETED _____
Report results of Multiple Completion 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 depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on 10/10/03. Results from the test indicate that the fracture gradient is .816 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1550 psi.

13. NAME & SIGNATURE Michael Guinn TITLE Vice President of Operations DATE 10/17/2003

From 12:00

(This space for State use only)

Accepted by the Utah Division of Oil, Gas and Mining

Date: 10-21-03
By: [Signature]

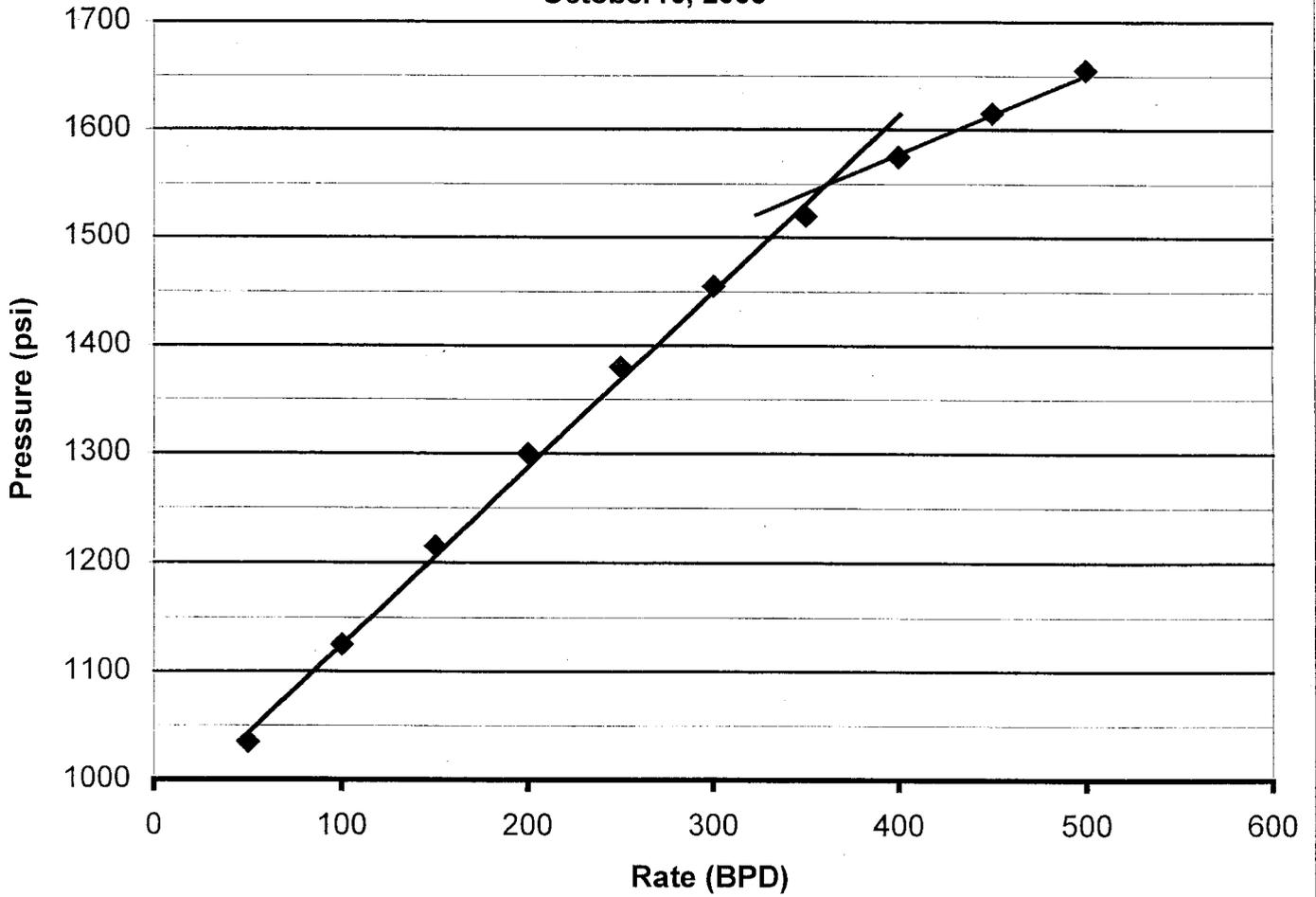
COPY SENT TO OPERATOR
Date: 10-23-03
Initials: CHP

RECEIVED

OCT 20 2003

DIV. OF OIL, GAS & MINING

Monument State 11-2-9-17
Castle Draw Unit
Step Rate Test
October 10, 2003



Start Pressure: 940 psi
Instantaneous Shut In Pressure (ISIP): 1655 psi
Top Perforation: 4074 feet
Fracture pressure (Pfp): 1550 psi
FG: 0.816 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	50	1035
2	100	1125
3	150	1215
4	200	1300
5	250	1380
6	300	1455
7	350	1520
8	400	1575
9	450	1615
10	500	1655

Monument State
11-2-9-17
CASTLE DRAW Unit

530/a
10/10 03

430/p
10/10 03

BSM/K
Simon



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
<http://www.epa.gov/region08>

OCT 29 2003

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
Vice President of Operations
Inland Production Company
Route 3 - Box 3630
Myton, UT 84052

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

RE: UNDERGROUND INJECTION CONTROL (UIC)
APPROVAL TO INCREASE MAXIMUM
SURFACE INJECTION PRESSURE No. 2
EPA Permit No. UT20776-04429
Monument State No. 11-2-9-17CD
NW NW Sec. 2 - T9S - R17E
Uintah County, Utah

Dear Mr. Guinn:

The Environmental Protection Agency (EPA) Castle Draw Area Permit UT20776-00000 (Effective November 29, 1995), Part II, Section C. 5. (b), permits the "Director" to authorize, by letter, an increase in the maximum surface injection pressure (MIP) for the Monument State No. 11-2-9-17CD following receipt and approval of a valid step-rate test (SRT).

On October 10, 2003, Inland Production Company (Inland) submitted an SRT, dated October 10, 2003, which was reviewed and approved by the EPA on October 21, 2003. However, the EPA revised the fracture gradient (FG) from 0.816 psi/ft to 0.818 psi/ft for the Garden Gulch/Douglas Creek/Basal Carbonate Members of the Green River Formation injection interval.

As of the date of this letter, the EPA authorizes an increase in the maximum surface injection pressure (MIP) from 1200 psig to 1560 psig. The 1560 psig MIP is less than the maximum surface injection pressure of 2137 psig as cited in the Castle Draw Area Permit, Part II, Section C. Condition 5. b.



FG = 0.818 psi/ft
 D = 4074 feet: Top perforation
 SG = Specific gravity: 1.005

 MIP = $[(0.818) - (0.433)(1.005)] 4074$

MIP = 1560 psig

Please send all compliance correspondence relative to this well to the **ATTENTION: NATHAN WISER**, at the letterhead address, citing **MAIL CODE: 8ENF-T** very prominently. You may call Mr. Wisser at 303-312-6211, or 1-800-227-8917 (Ext. 6211).

Sincerely,

Carol L. Campbell for

Stephen S. Tuber
 Assistant Regional Administrator
 Office of Partnerships and
 Regulatory Assistance

cc: Ms. Maxine Natchees
 Chairwoman
 Uintah & Ouray Business Council
 Ute Indian Tribe
 P.O. Box 190
 Fort Duchesne, Ut 84026

Ms. Elaine Willie
 Environmental Coordinator
 Ute Indian Tribe
 P.O. Box 460
 Fort Duchesne, UT 84026

Mr. Chester Mills
 Superintendent
 Bureau of Indian Affairs
 Uintah & Ouray Indian Agency
 P.O. Box 130
 Fort Duchesne, UT 84026

Mr. David Gerbig
 Operations Engineer
 Inland Production Company
 410 Seventeenth Street - Suite 700
 Denver, CO 80202

Mr. Gil Hunt
Technical Services Manager
State of Utah - Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple - Suite 1220
Salt Lake City, UT 84111-00581

Mr. Jerry Kenczka
Petroleum Engineer
Bureau of Land Management
Vernal District
170 South 500 East
Vernal, UT 84078

Mr. Nathan Wiser
8ENF-T



Office of the Secretary of State

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

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

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



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

Secretary of State

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

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

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

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

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

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

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

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

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

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st 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 <u>See Attached List</u>		API Number
Location of Well		Field or Unit Name <u>See Attached List</u>
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:		9/1/2004
FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

CA No. Unit: CASTLE DRAW

WELL(S)									
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
MON ST 14-2	02	090S	170E	4301331425	12275	State	WI	A	
MONUMENT ST 12-2	02	090S	170E	4301331481	12275	State	OW	P	
MONUMENT ST 13-2	02	090S	170E	4301331482	12275	State	WI	A	
MONUMENT ST 11-2-9-17CD	02	090S	170E	4301331685	12275	State	WI	A	
CASTLE DRAW 10-2R-9-17	02	090S	170E	4304731195	12275	State	WI	A	
MON ST 31-2-9-17CD	02	090S	170E	4304732563	12275	State	WI	A	
MONUMENT ST 22-2	02	090S	170E	4304732610	12275	State	WI	A	
MONUMENT ST 24-2	02	090S	170E	4304732612	12275	State	OW	P	
BALCRON MON ST 23-2	02	090S	170E	4304732613	12275	State	WS	I	
MONUMENT ST 21-2-9-17	02	090S	170E	4304732703	12275	State	OW	P	
MONUMENT ST 32-2	02	090S	170E	4304732737	12275	State	OW	P	
CASTLE DRAW 8-2	02	090S	170E	4304732842	12275	State	D	PA	
CASTLE DRAW 1-2-9-17	02	090S	170E	4304732843	12275	State	OW	S	
CASTLE DRAW 9-2-9-17	02	090S	170E	4304733238	12275	State	OW	P	
CASTLE DRAW 15-2-9-17	02	090S	170E	4304733239	12275	State	OW	P	
CASTLE DRAW 16-2-9-17	02	090S	170E	4304733240	12275	State	WI	A	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML45555

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, 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:
CASTLE DRAW UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER Injection well

8. WELL NAME and NUMBER:
MONUMENT ST 11-2-9-17CD

2. NAME OF OPERATOR:
Newfield Production Company

9. API NUMBER:
4301331685

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: 0634 FNL 0863 FWL

COUNTY: Duchesne

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NW/NW, 2, T9S, R17E

STATE: Utah

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

TYPE OF ACTION SubDate

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: 04/07/2005	<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: - Step Rate Test
	<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.

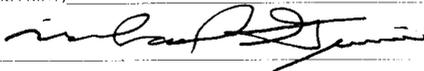
A step rate test was conducted on the subject well on March 24, 2005. Results from the test indicate that the fracture gradient is .875 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1785 psi.

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

NAME (PLEASE PRINT) Mike Guinn

TITLE Engineer

SIGNATURE



DATE 04/07/2005

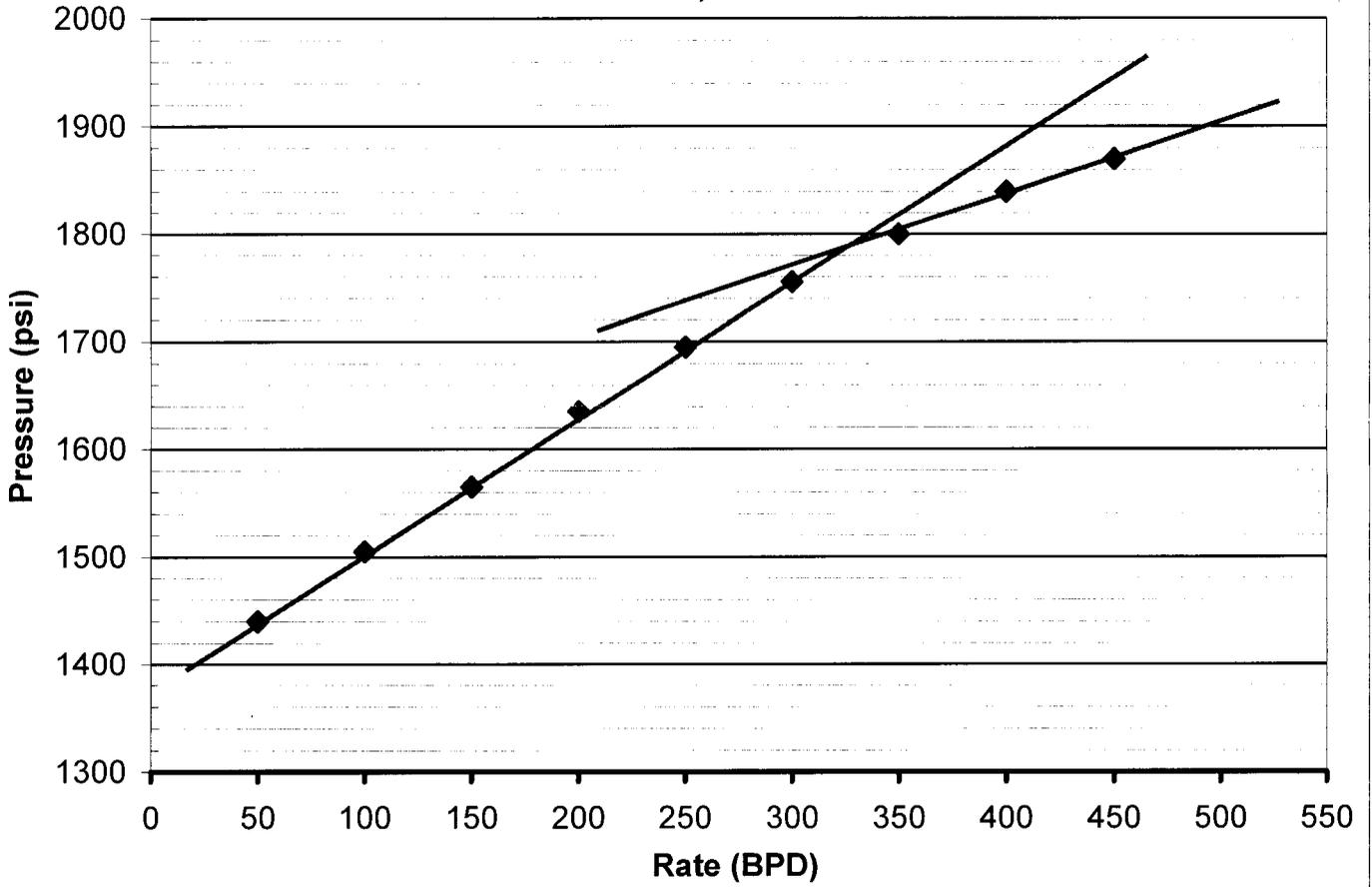
(This space for State use only)

RECEIVED

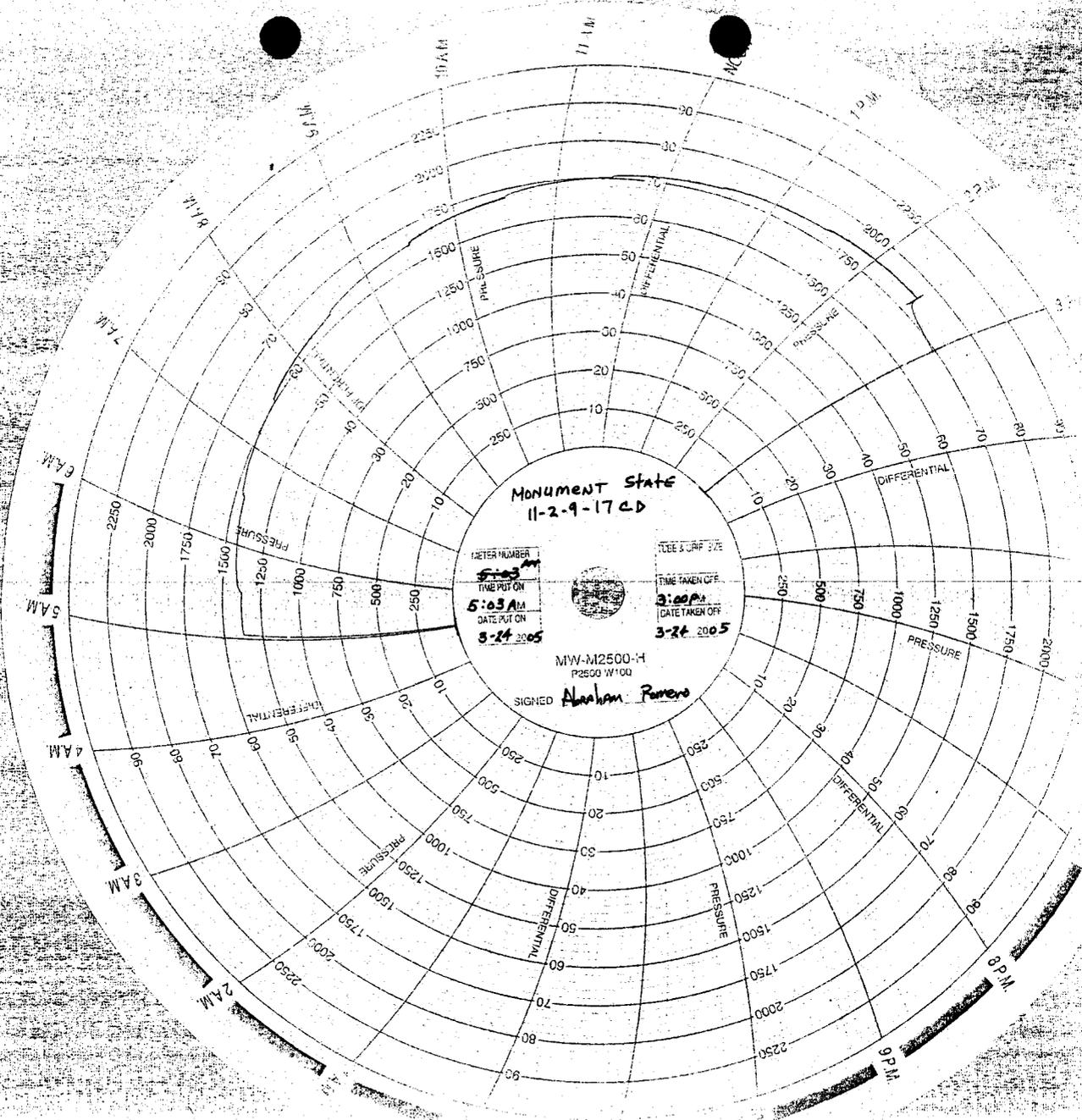
APR 11 2005

DIV. OF OIL, GAS & MINING

Monument State 11-2-9-17CD
Castle Draw Unit
Step Rate Test
March 24, 2005



Start Pressure:	1375 psi	Step	Rate(bpd)	Pressure(psi)
Instantaneous Shut In Pressure (ISIP):	1840 psi	1	50	1440
Top Perforation:	4074 feet	2	100	1505
Fracture pressure (Pfp):	1790 psi	3	150	1565
FG:	0.875 psi/ft	4	200	1635
		5	250	1695
		6	300	1755
		7	350	1800
		8	400	1840
		9	450	1870



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

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML45555

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, 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:
CASTLE DRAW UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER Injection well

8. WELL NAME and NUMBER:
MONUMENT ST 11-2-9-17CD

2. NAME OF OPERATOR:
Newfield Production Company

9. API NUMBER:
4301331685

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: 0634 FNL 0863 FWL

COUNTY: Duchesne

QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NW, 2, T9S, R17E

STATE: Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION		
	SubDate	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/08/2005	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 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 6-7-05 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above well. (Monument St 11-2-9-17CD) Permission was give at that time to perform the test on 6-8-05. On 6-8-05 the csg was pressured up to 1190 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1520 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20776-04429 API# 43-013-31685.

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

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager
SIGNATURE *Kathy Chapman* DATE 06/08/2005

(This space for State use only)

RECEIVED
JUN 10 2005
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 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 06/08/05

Test conducted by: Dale Giles

Others present: _____

Well Name: <u>Mon. State 11-2-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Castle Draw Unit</u>		
Location: _____	Sec: <u>2</u> T <u>9</u> N <u>10</u> R <u>17</u> W	County: <u>Duchesne</u> State: <u>UT</u>
Operator: _____		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1560</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: 17 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1520</u> psig	psig	psig
End of test pressure	<u>1520</u> psig	psig	psig
CASING/TUBING ANNULUS PRESSURE			
0 minutes	<u>1190</u> psig	psig	psig
5 minutes	<u>1190</u> psig	psig	psig
10 minutes	<u>1190</u> psig	psig	psig
15 minutes	<u>1190</u> psig	psig	psig
20 minutes	<u>1190</u> psig	psig	psig
25 minutes	<u>1190</u> psig	psig	psig
30 minutes	<u>1190</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass [] Fail	[] Pass [] Fail	[] Pass [] 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

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTAH STATE ML-45555

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
MONUMENT ST 11-2-9-17CD

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331685

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 634 FNL 863 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 2, 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>05/11/2010</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input 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: - Five 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 04/14/2010 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 05/11/2010 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1712 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20776-04429 API# 43-013-31685

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

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 05/12/2010

(This space for State use only)

**RECEIVED
MAY 17 2010
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 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 5 / 11 / 2010
 Test conducted by: Austin Harrison
 Others present: _____

Well Name: <u>Monument State 11-2-9-17 CO</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Myton UT</u>		
Location: _____	Sec: <u>2 T 9 N 10 R 17 E</u>	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>NEWFIELD</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: <u>1790</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: 6 bpd

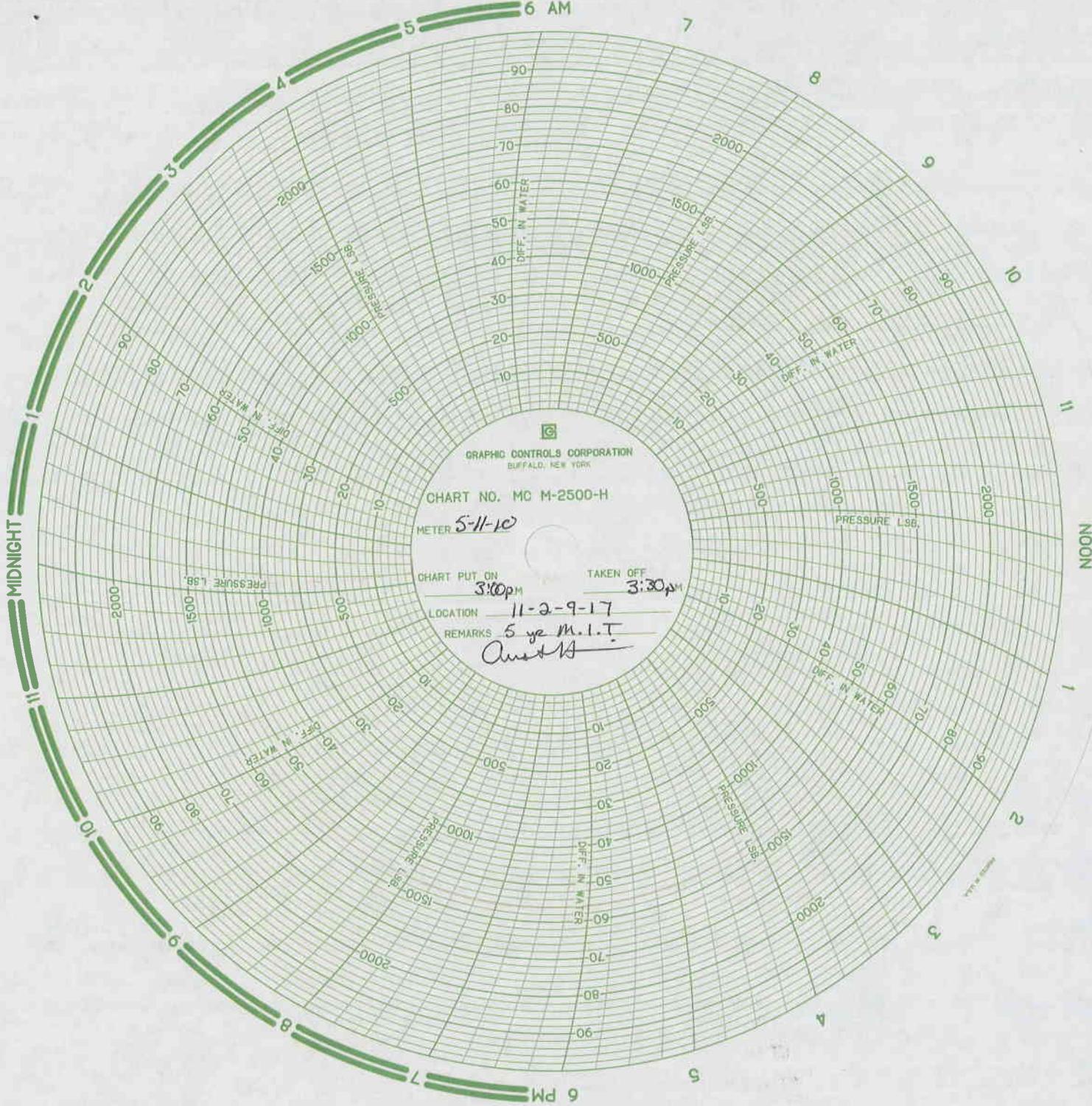
Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1712</u> psig	psig	psig
End of test pressure	<u>1712</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1400</u> psig	psig	psig
5 minutes	<u>1400</u> psig	psig	psig
10 minutes	<u>1400</u> psig	psig	psig
15 minutes	<u>1400</u> psig	psig	psig
20 minutes	<u>1400</u> psig	psig	psig
25 minutes	<u>1400</u> psig	psig	psig
30 minutes	<u>1400</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<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.:



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER 5-11-10

CHART PUT ON 3:00 PM TAKEN OFF 3:30 PM

LOCATION 11-2-9-17

REMARKS 5 yr M.I.T.

Ans 14

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45555
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: MONUMENT ST 11-2-9-17CD
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013316850000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0634 FNL 0863 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 02 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"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/7/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

5 YR MIT performed on the above listed well. On 04/07/2015 the casing was pressured up to 1142 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1450 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04429

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 13, 2015**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 4/8/2015	

Casing or Annulus Pressure Mechanical Integrity Test

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

EPA Witness: _____ Date: 4 / 7 / 2015
 Test conducted by: Kane Stevenson
 Others present: _____

Well Name: <u>Monument State</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>11</u> Sec: <u>2</u> T <u>9</u> N/S R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield Exploration</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1681</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: CSG-0 TBG-1450 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1450</u> psig	psig	psig
End of test pressure	<u>1450</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1142</u> psig	psig	psig
5 minutes	<u>1142</u> psig	psig	psig
10 minutes	<u>1142</u> psig	psig	psig
15 minutes	<u>1143</u> psig	psig	psig
20 minutes	<u>1143</u> psig	psig	psig
25 minutes	<u>1143</u> psig	psig	psig
30 minutes	<u>1142</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<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

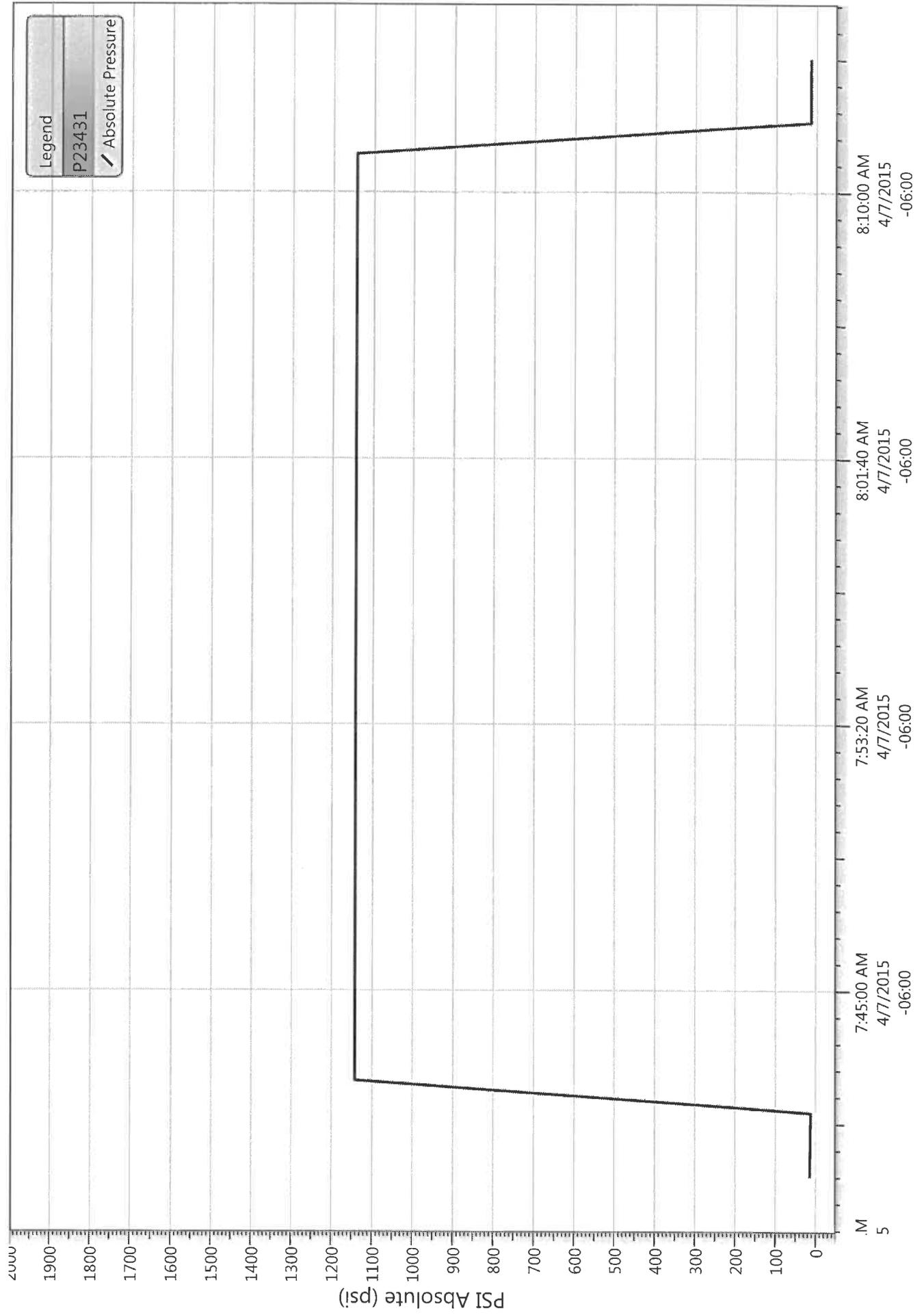
Does the annulus pressure build back up after the test ? Yes No

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: _____

Monument State 11-2-9-17CD (5 Year MIT) 4/7/2015
4/7/2015 7:38:05 AM



Legend
P23431
✓ Absolute Pressure

Monument State 11-2-9-17

Injection Wellbore Diagram

Updated 7/10/00

GBR IV

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 246'
 DEPTH LANDED: 256'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: BJ Services: 160sxs

256' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5429'
 DEPTH LANDED: 5439' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: BJ Services: 155 sxs Super "G" w/
 3% salt, 2% gel, 2#/sk Kolséal,
 1/4#/sk Celloflake. Tail w/ 280 sxs of
 50/50 POZ w/2% gel, 2#/sk Kolséal,
 1/4#/sk Celloflake.

CEMENT TOP AT: 1910' KB

HOLE SIZE: 12-1/4"
 CEMENT DATA: BJ Services: 160

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5429'
 DEPTH LANDED: 5439' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: BJ Services: 155
 3% salt, 2% gel, 2
 1/4#/sk Celloflake
 50/50 POZ w/2% gel,
 1/4#/sk Celloflake.

CEMENT TOP AT: 1910' KB

TUBING

SIZE/GRADE/WT.: 2-7/8"
 NO. OF JOINTS: 128 Jts. (3972')
 TUBING ANCHOR:
 NO. OF JOINTS:
 SEATING NIPPLE: @ 3973'
 PERFORATED SUB:
 MUD ANCHOR:
 STRING LENGTH:
 Packer Set AT: 3976'

ACID JOB /BREAKDOWN

9/23/96	4790'-4793'	BJ Services: 1848 gal 2% KCL water w/12 ball sealers. Bail action but no ball off. ATP=2100 psi, ATR=3.0 bpm, ISIP=1600 psi.
9/23/96	4916'-4920'	BJ Services: 1890 gal 2% KCL water w/20 ball sealers. Balled off. ATP=2100 psi, ATR=3.3 bpm, ISIP=1400 psi.
9/25/96	4232'-4243' 4246'-4252' 4255'-4259'	BJ Services: 3570 gal 2% KCL water w/20 ball sealers. Bail action but no ball off. ATP=2400 psi, ATR=4.9 bpm, ISIP=1500 psi.
9/26/96	4074'-4084'	BJ Services: 2436 gal 2% KCL water w/30 ball sealers. Bail action but no ball off. ATP=2200 psi, ATR=5.0 bpm, ISIP=1675 psi.

FRAC JOB

9/23/96	4790'-4783'	BJ Services: 12,306 gal 2% KCL water w/31,600# 16/30 sand. ATP=2700 psi, ATR=33.8 bpm, ISIP=2240 psi, 5 min=1570 psi, 10 min=1440 psi, 15 min=1390 psi, 30 min=1290 psi.
9/26/96	4232'-4243' 4246'-4252' 4255'-4259'	BJ Services: 12,474 gal 2% KCL water w/23,000# 16/30 sand. ATP=220 psi, ATR=30.6 bpm, ISIP=2150 psi, 5 min=1940 psi, 10 min=1780 psi, 15 min=1710 psi.
9/26/96	4074'-4084'	BJ Services: 8694 gal 2% KCL water w/13,700 16/30 sand. ATP=2450 psi, ATR=24.7 bpm, ISIP=4950 psi, 5 min=3740 psi, 10 min=3670 psi, 15 min=3570 psi.

06-08-05 5 YR MIT
 05 11 10 5 YR MIT

PERFORATION RECORD

9/20/96	Schlumberger	4790'-4793'	6 holes
		4916'-4920'	5 holes
		4928'-4931'	5 holes
9/25/96	Schlumberger	4232'-4243'	4 SPF
		4246'-4252'	4 SPF
		4255'-4259'	4 SPF
9/26/96	Schlumberger	4074'-4084'	4 SPF

SN LANDED @3973'
 Tbg LANDED @3972'

PBTD @ 5391' KB
 TD @ 5450' KB

NEWFIELD

Monument State #11-2-9-17CD

NWNW Sec2-T9S-R17E

634' FNL, 863' FWL

ML-45555

Monument Butte

Duchesne, Utah

API # 43-013-31685