

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

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Island Ranching "C"

9. Well No.

#1

10. Field and Pool, or Wildcat

Anschutz Ranch

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 26 T4N, R7E

12. County or Parrish 13. State

Summit Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator

Amoco Production Company

3. Address of Operator

P.O. Box 17675, Salt Lake City, UT 84117

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface

SE/4 Sec. 26 1323.5' FSL & 1721.6' FEL
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

Approximately 5 miles SE of Castle Rock

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

16. No. of acres in lease

17. No. of acres assigned to this well

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

9,000'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

22. Approx. date work will start*

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	9 5/8"	32.3#	1600'	1400 sx
8 1/2"	7"	*	9000'	2000 sx

* See item #4 of attachment

RECEIVED
MAY 21 1980

Propose to develop Twin Creek Reserves
(See Attachments)

DIVISION OF
OIL, GAS & MINING

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

24.

Original Signed By
D. S. DAVIDSON

Signed.....

Title..... Dist. Admin. Supervisor

Date..... 5-19-80

(This space for Federal or State office use)

Permit No..... Approval Date

Approved by..... Title..... Date.....

Conditions of approval, if any:

ATTACHMENT TO FORM OGC-1a

Island Ranching C #1

1. Geologic name of the surface formation: Wasatch

2. Estimated tops of geological markers:

Preuss Salt	6,905'
Twin Creek	7,015'
Nugget	8,890'

3. Estimated depth anticipated to encounter water, oil, gas or other mineral-bearing formations:

Water, Oil, and Gas anticipated at: See Item #2

4. Casing Program: See Item #23, Form OGC-1a

<u>Size of Hole:</u>	<u>Size of Casing:</u>	<u>Weight/Grade:</u>	<u>Condition:</u>	<u>Depth:</u>
12 1/4"	9 5/8"	32.3# H-40 ST&C	New	1600'
8 1/2"	7"	26# N-80 LT&C	New	80'
	"	23# N-80 LT&C	New	6570'
	"	26# S-95 LT&C	New	600'
	"	26# N-80 LT&C	New	2000'

5. Operators minimum specifications for pressure control equipment are shown on the attached schematic diagrams. Testing of such is to be performed daily and noted on the IADC Daily Drilling Report. After running surface casing and prior to drilling out, BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

6. Mud Program:

0 - 1500'	Native mud
1500 - TD	Low solid, non-dispersed, 8.5-9.0 #/gal. Convert to salt mud depending on thickness of salt.

7. Auxiliary Equipment:

Kelly Cock, floor sub with full opening valve. Two-man mud logger from surface to TD. 3" choke manifold with remote control choke

8. Testing Program:

No special tests are planned.

Logging Program:

Linear Dual Induction Laterolog w/GR*	Base of surface casing - TD
Dual Laterolog**	Base of surface casing - TD
CNL-FDC w/GR - Caliper	Base of surface casing - TD
Dipmeter	6900' - TD
LHC Sonic w/GR - Caliper	Base of surface casing - TD
GR	0 - 2000'

* If mud is fresh

** If mud is salty

Coring Program:

None

Stimulation Program:

To be determined by District Office upon completion of drilling operations.

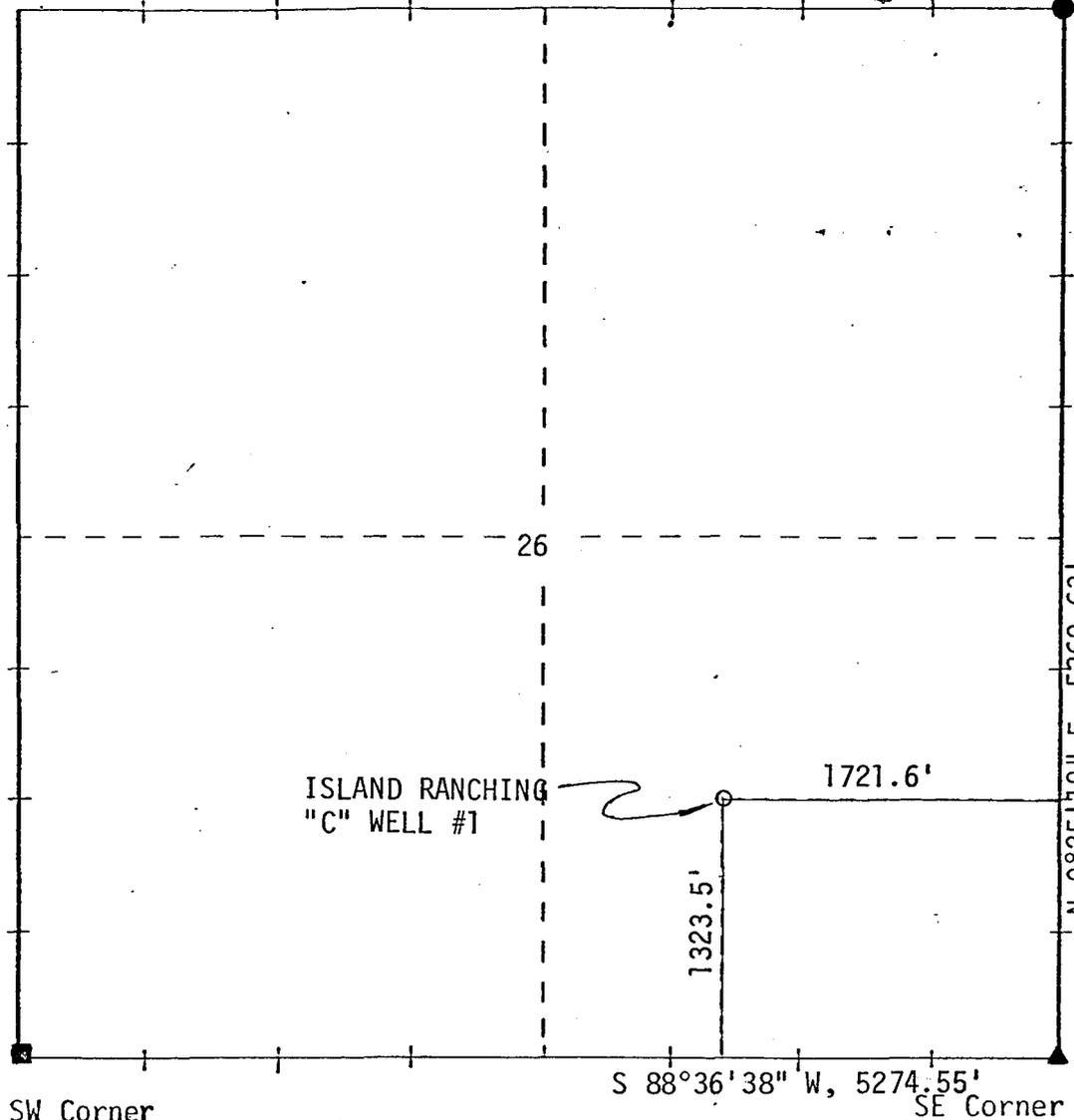
9. No abnormal pressures, temperatures, or hydrogen sulfide gas is anticipated.
10. Anticipated starting date will be when approved and the duration of operations will be approximately 60 days.

NW Corner

4N

R 7E

NE Corner

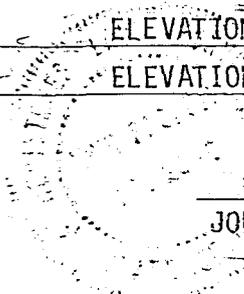


SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack
- ▲ Calculated Corner

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from R.C. Buckley of Evanston, Wyoming for Amoco Production Company I made a survey on the 18th day of April, 1980 for Location and Elevation of the Island Ranching "C" Well #1 as shown on the above map, the wellsite is in the SE 1/4 of Section 26, Township 4N, Range 7E of the Salt Lake Base & Meridian Summit County, State of Utah, Elevation is 7507 Feet Top of Hub Datum U.S.G.S. Quad - Castle Rock, Utah-Wyoming, Spot Elevation 7061', E 1/4 Section 22, T4N, R7E

Reference point	EAST 854'	ELEVATION TOP OF PIN	7482.1'
Reference point	EAST 250'	ELEVATION TOP OF PIN	7492.9'
Reference point	SOUTH 300'	ELEVATION TOP OF PIN	7493.1'
Reference point	SOUTH 400'	ELEVATION TOP OF PIN	7488.3'



John A. Proffit 5/16/80
 JOHN A. PROFFIT UTAH R.L.S. NO. 2860

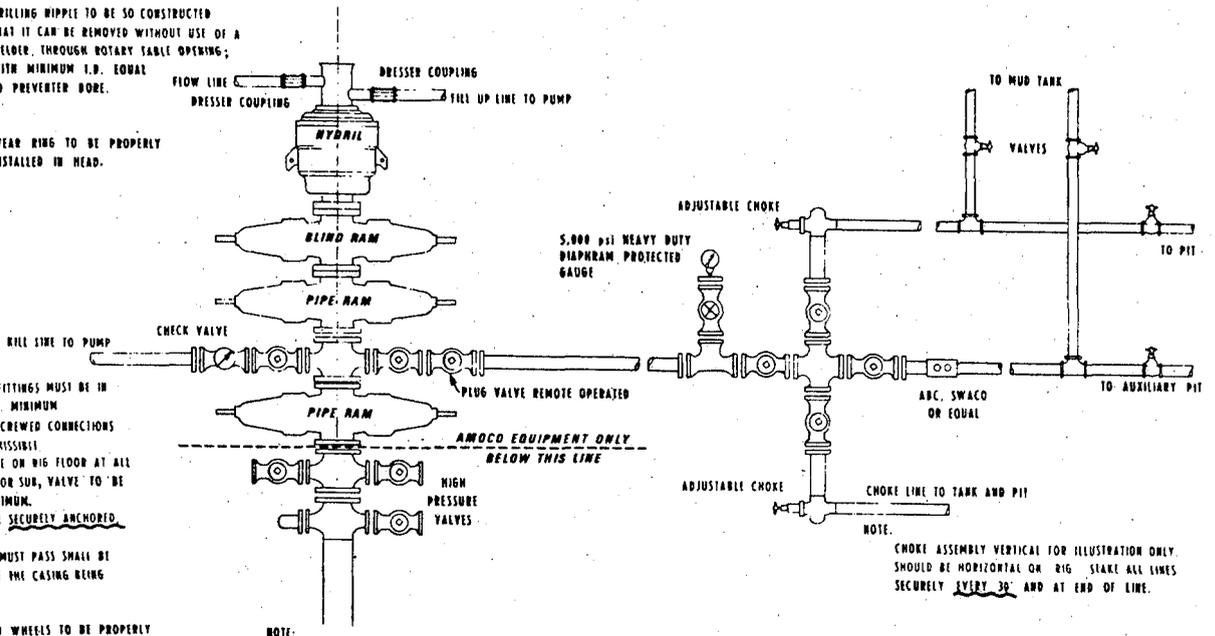
DATE: May 15, 1980
 JOB NO.: 80-10-16

UINTA ENGINEERING & SURVEYING, INC.
 808 MAIN STREET, EVANSTON, WYOMING

EXHIBIT BOP-5000
MINIMUM BLOW-OUT PREVENTER REQUIREMENTS
5,000 psi W.P.

NOTE:

- 1 DRILLING NIPPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING, WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.
- 2 WEAR RING TO BE PROPERLY INSTALLED IN HEAD.



NOTE:

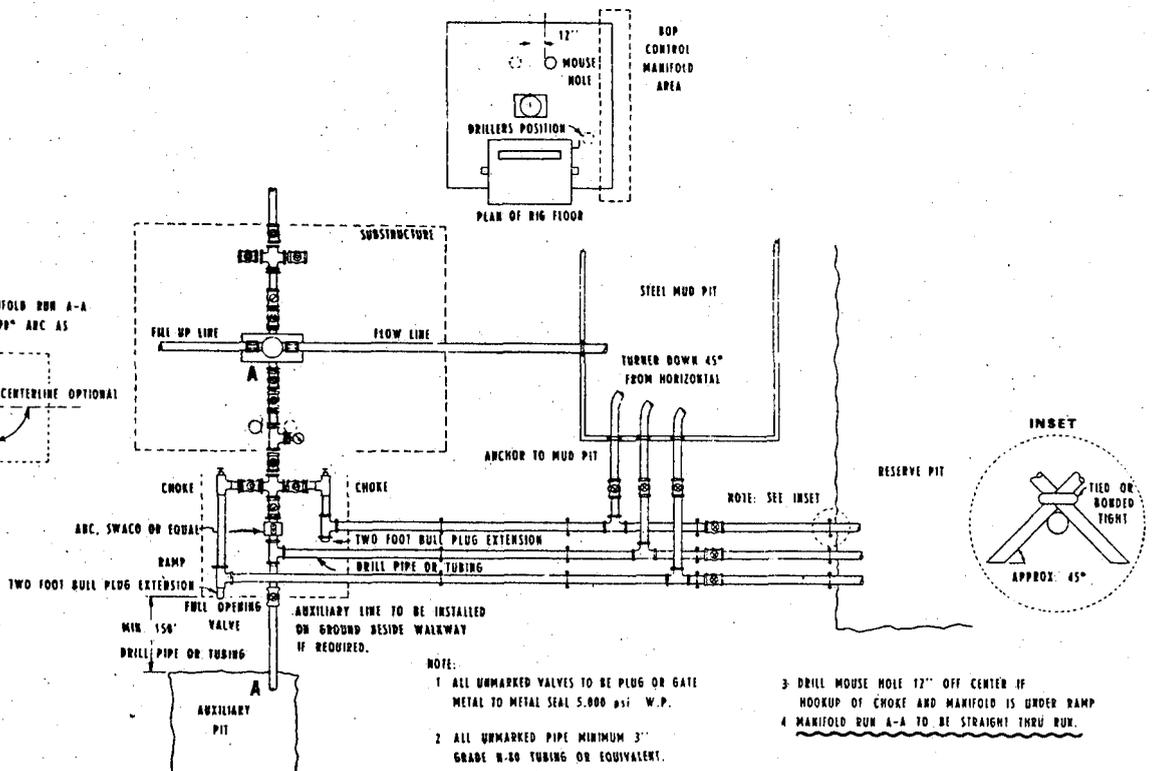
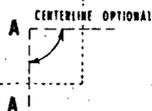
- 1 BLOW-OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5,000 PSI W.P. MINIMUM
- 2 ALL FITTINGS TO BE FLANGED, SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE
- 3 SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUB. VALVE TO BE FULL BORE 5,000 PSI W.P. MINIMUM.
- 4 ALL CHOKE AND NIPPLE LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKE LINES
- 5 EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
- 6 RELLY COCK ON RELLY.
- 7 EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES
- 8 RIG FLOOR BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE.
- 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 80 GALLON ACCUMULATOR, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION, AND MEET ALL TABC SPECIFICATIONS.

NOTE: ALL VALVES TO BE FULL OPENING.

NOTE: CHOKE ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY SHOULD BE HORIZONTAL ON RIG STAKE ALL LINES SECURELY EVERY 30' AND AT END OF LINE.

NOTE:

DIRECTION OF MANIFOLD RUN A-A OPTIONAL WITHIN 90° ARC AS SHOWN BELOW



NOTE:

- 1 ALL UNMARKED VALVES TO BE PLUG OR GATE METAL TO METAL SEAL 5,000 PSI W.P.
- 2 ALL UNMARKED PIPE MINIMUM 3" GRADE N-80 TUBING OR EQUIVALENT.
- 3 DRILL MOUSE HOLE 12" OFF CENTER IF HOOKUP OF CHOKE AND MANIFOLD IS UNDER RAMP
- 4 MANIFOLD RUN A-A TO BE STRAIGHT THRU RUN.

Amoco Production Company
STANDARD ASSEMBLY FOR FLUID OPERATED TRIPLE BLOW-OUT PREVENTER
5,000 psi W.P.

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

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

5. Lease Designation and Serial No. _____

6. If Indian, Allottee or Tribe Name _____ Fee _____

7. Unit Agreement Name _____

8. Farm or Lease Name _____

9. Well No. _____

10. Field and For _____ #1
~~Appenzel Ranch~~

11. Sec., T., R., M., or Blk. and Survey or Area _____

12. County or Parrish _____ 13. State _____

14. Distance in miles and direction from nearest town or post office* _____

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) _____

16. No. of acres in lease _____

17. No. of acres assigned to this well _____

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. _____

19. Proposed depth _____

20. Rotary or cable tools _____

21. Elevations (Show whether DF, RT, GR, etc.) _____

22. Approx. date work will start* _____

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	9 5/8"	32.3#	1600'	1400 sx <i>Circ. To Surf.</i>
8 1/2"	7"	*	9000'	2000 sx

* See item #4 of attachment

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 6-6-80
BY: M. J. Minder

RECEIVED
MAY 20 1980
RECEIVED
MAY 2 1980
DIVISION OF OIL, GAS & MINING

Propose to develop Twin Creek Reserves
(See Attachments)

DIVISION OF
OIL, GAS & MINING

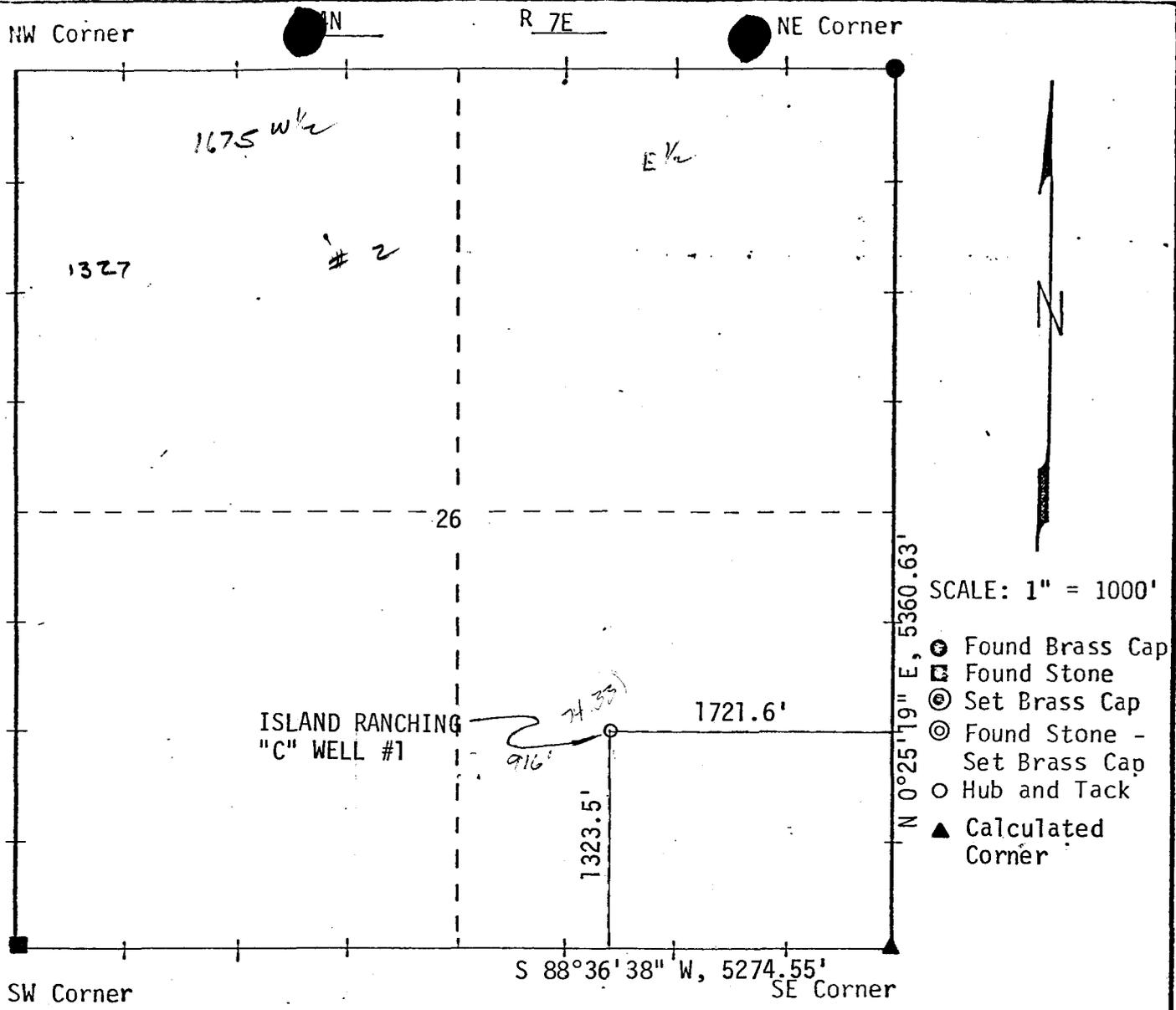
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24. Signed [Signature] Title Dist. Admin. Supervisor Date 5-19-80

(This space for Federal or State office use)

Permit No. _____ Approval Date _____

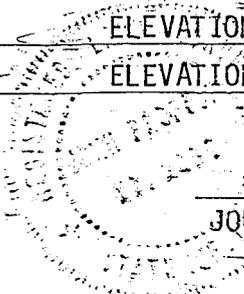
Approved by _____ Title _____ Date _____
Conditions of approval, if any:



- SCALE: 1" = 1000'
- Found Brass Cap
 - Found Stone
 - ⊙ Set Brass Cap
 - ⊙ Found Stone - Set Brass Cap
 - Hub and Tack
 - ▲ Calculated Corner

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from R.C. Buckley of Evanston, Wyoming for Amoco Production Company I made a survey on the 18th day of April, 1980 for Location and Elevation of the Island Ranching "C" Well #1 as shown on the above map, the wellsite is in the SE 1/4 of Section 26, Township 4N, Range 7E of the Salt Lake Base & Meridian Summit County, State of Utah, Elevation is 7507 Feet Top of Hub Datum U.S.G.S. Quad - Castle Rock, Utah-Wyoming, Spot Elevation 7061', E 1/2 Section 22, T4N, R7E

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Reference point	SOUTH 400'	ELEVATION TOP OF PIN	7488.3'



John A. Proffit 5/16/80
 JOHN A. PROFFIT UTAH R.L.S. NO. 2860

DATE: May 15, 1980
 JOB NO.: 80-10-16

UINTA ENGINEERING & SURVEYING, INC.
 808 MAIN STREET, EVANSTON, WYOMING

ATTACHMENT TO FORM OGC-1a

Island Ranching C #1

1. Geologic name of the surface formation: Wasatch
2. Estimated tops of geological markers:

Preuss Salt	6,905'
Twin Creek	7,015'
Nugget	8,890'

3. Estimated depth anticipated to encounter water, oil, gas or other mineral-bearing formations:

Water, Oil, and Gas anticipated at: See Item #2

4. Casing Program: See Item #23, Form OGC-1a

<u>Size of Hole:</u>	<u>Size of Casing:</u>	<u>Weight/Grade:</u>	<u>Condition:</u>	<u>Depth:</u>
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8 1/2"	7"	26# N-80 LT&C	New	80'
	"	23# N-80 LT&C	New	6570'
	"	26# S-95 LT&C	New	600'
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6. Mud Program:

0 - 1500'	Native mud
1500 - TD	Low solid, non-dispersed, 8.5-9.0 #/gal. Convert to salt mud depending on thickness of salt.

7. Auxiliary Equipment:

Kelly Cock, floor sub with full opening valve. Two-man mud logger from surface to TD. 3" choke manifold with remote control choke

8. Testing Program:

No special tests are planned.

Logging Program:

Linear Dual Induction Laterolog w/GR*	Base of surface casing - TD
Dual Laterolog**	Base of surface casing - TD
CNL-FDC w/GR - Caliper	Base of surface casing - TD
Dipmeter	6900' - TD
LHC Sonic w/GR - Caliper	Base of surface casing - TD
GR	0 - 2000'

* If mud is fresh
** If mud is salty

Coring Program:

None

Stimulation Program:

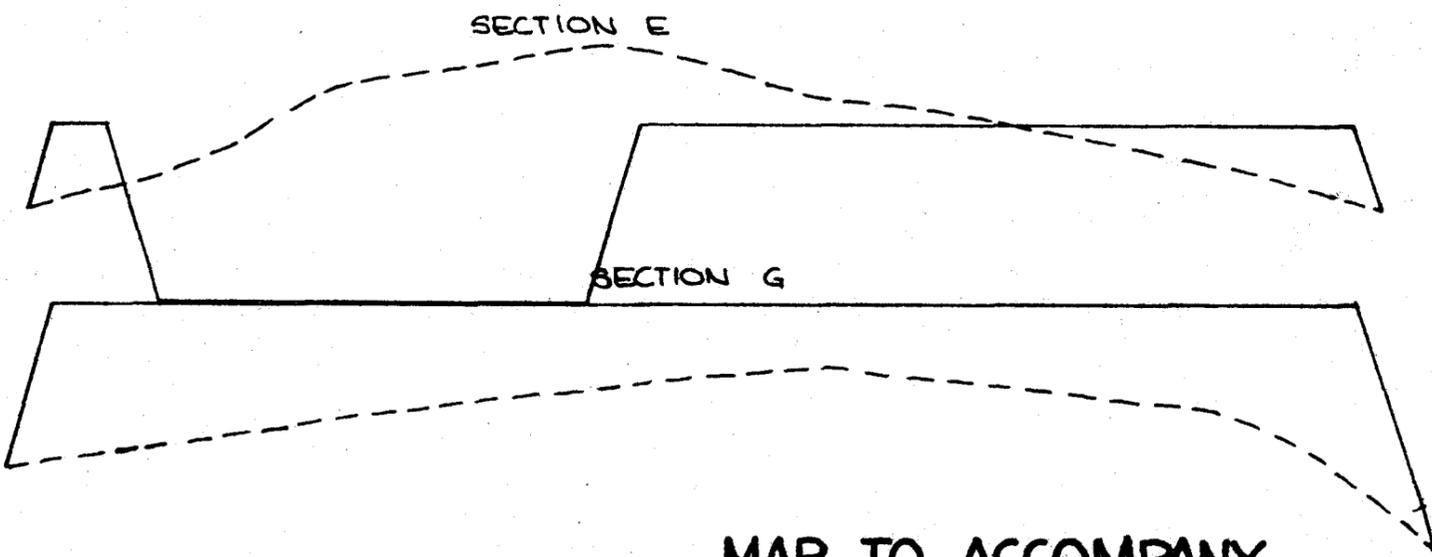
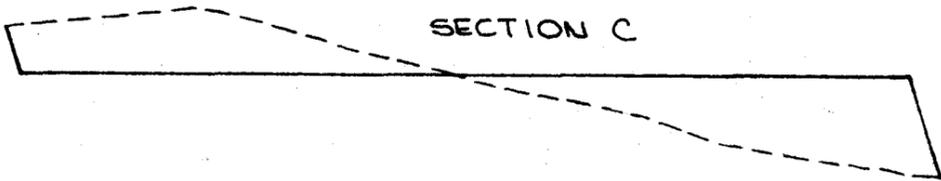
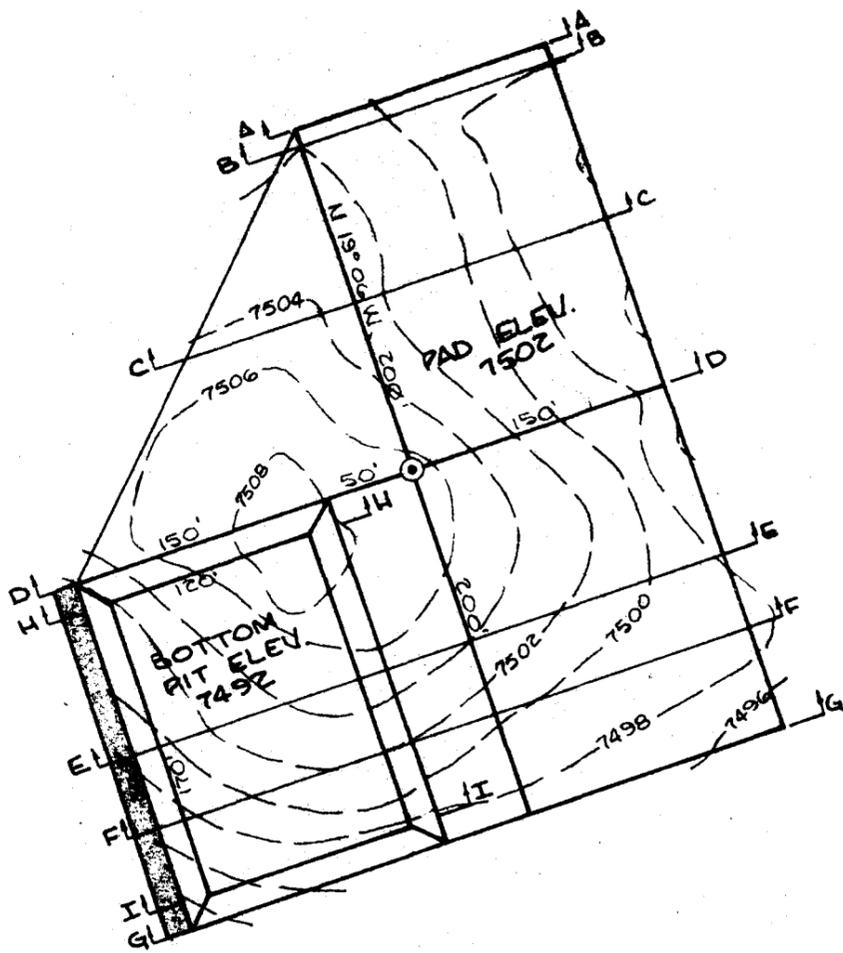
To be determined by District Office upon completion of drilling operations.

9. No abnormal pressures, temperatures, or hydrogen sulfide gas is anticipated.
10. Anticipated starting date will be when approved and the duration of operations will be approximately 60 days.

2" WELL #1
E, S.L.B. & M.



SCALE 1"=100'



MAP TO ACCOMPANY
APPLICATION FOR PERMIT TO DRILL

APPLICANT: Amoco Production Co.
P.O. Box 17675
SALT LAKE CITY, UTAH 84117

John A. Proffit 5/1/80
JOHN A. PROFFIT, UTAH R.L.S. 2000

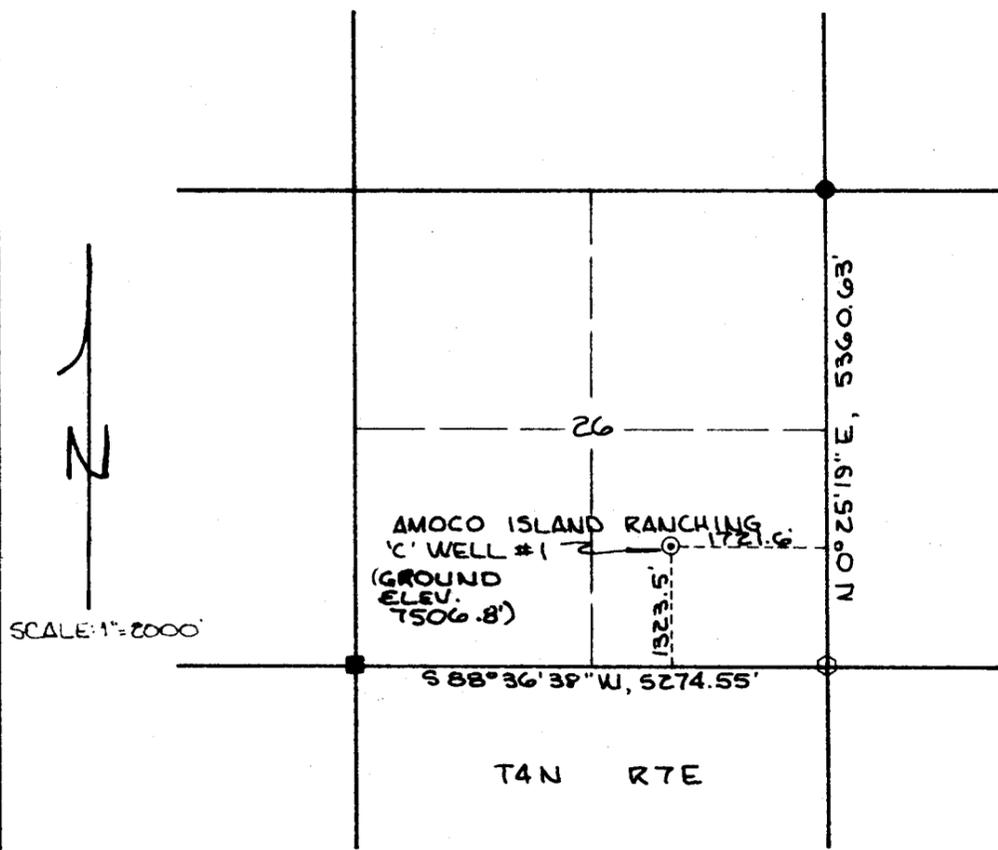


UNTA ENGINEERING & SURVEYING, INC.
EVANSTON, WYOMING

5-14-80

80-10-16

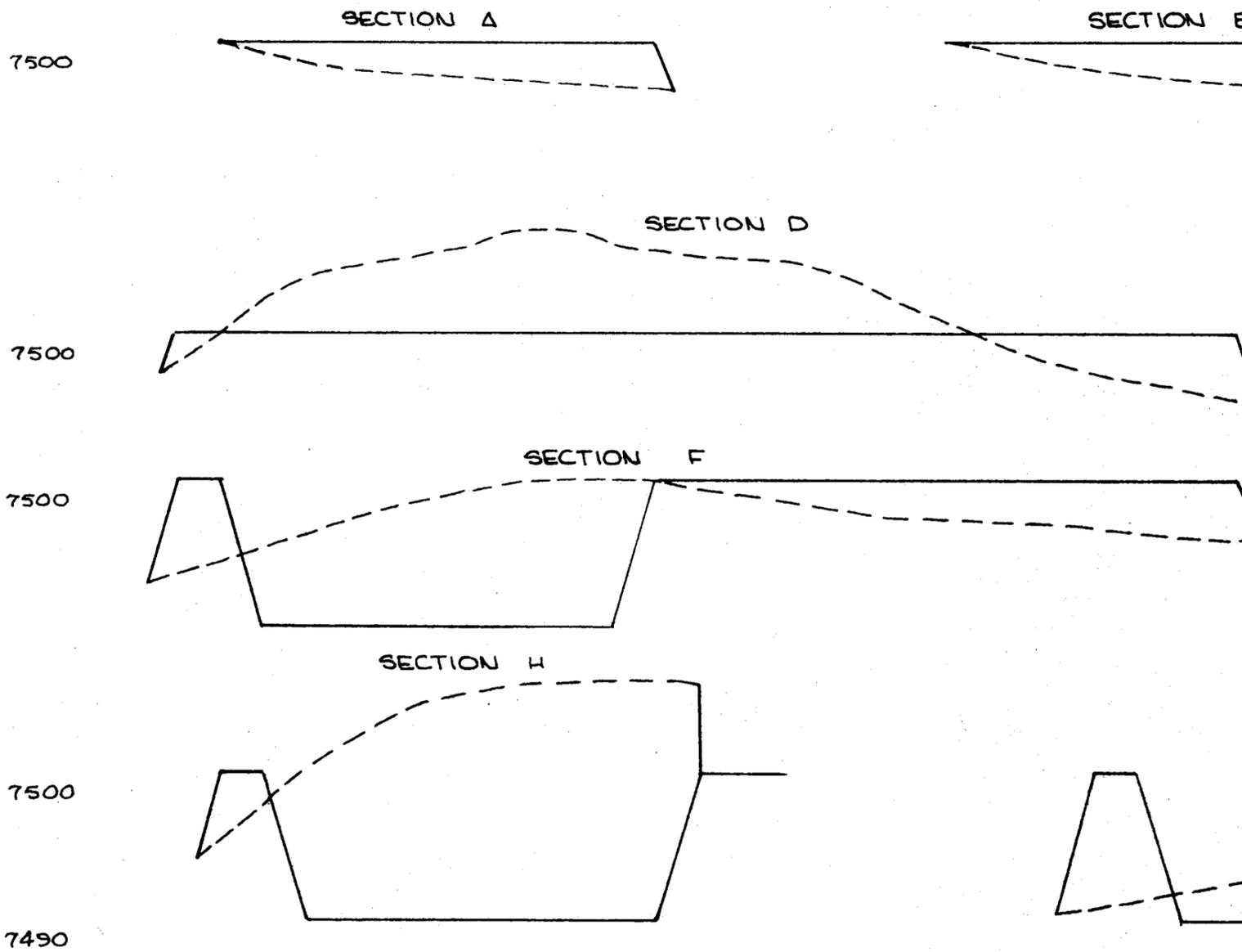
ISLAND RAN
SE 1/4, SECTION 2
SUMMIT COUNTY



TOTAL YARDAGE

CUT:	15,365	CU
FILL:	8,876	CU
TOPSOIL:	2,185	CU
SPOIL:	4,304	CU
PIT CAPACITY:	44,0	

HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 50'



** FILE NOTATIONS **

DATE: May 21, 1980
OPERATOR: Amoco Production Company
WELL NO: Island Ranching # C-1
Location: Sec. 26 T. 4N R. 7E County: Summit

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-043-30139

CHECKED BY:

Petroleum Engineer: M.J. Minder 6-6-80
Hold for NEW location (called S. Wilcox 5-23-80)

Director: _____

Administrative Aide: * per spacing order - ltm

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 183-1 7/26/79

O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation

Plotted on Map

Approval Letter Written

Hot Line

P.I.

3
designated as standby



Amoco Production Company

Post Office Box 17675
Salt Lake City, Utah 84117
801 - 272-9253

Martin Zimmerman
District Superintendent

RECEIVED

JUN 2 1980

DIVISION OF
OIL, GAS & MINING

May 27, 1980

The State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, UT 84116

File: MZ-483-031/WF

Island Ranching "C" #1, SE/4, Section 26, T4N, R7E, Summit County, Utah

With reference to the subject "Application for Permit to Drill" submitted May 19, 1980, please be advised that Amoco proposes to drill said well in accordance with the provisions of the order issued in cause #183-1.

As specified in paragraph 2 of the subject order, wells may not penetrate the Twin Creek producing interval closer than 990' from the boundaries of the quarter section. Amoco's projected bottom hole location for the Island Ranching "C" #1 is 1550' FSL and 1550' FEL. The well deviation will be controlled to prevent violation of the order.

Further, in accordance with paragraph 3(b), Amoco designates the E/2 of Section 26 as the 320-acre gas unit for said well.

Your further review and approval of the subject application will be appreciated, however, should you require additional information please contact Scheree Wilcox in our Salt Lake District office, 272-9253.


Martin Zimmerman

SW/crj

June 9, 1980

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Island Ranching "C" #1
Sec. 26, T. 4N, R. 7E,
Summit County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 183-2, dated 7-26-79. This is designated as a standup well and shall be located in the east half of section 26.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drillings. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that drilling contractor and rig number be identified.

The API number assigned to this well is 43-043-30239.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder
Petroleum Engineer

/ka



RECEIVED
JUL 09 1980

July 3, 1980

DIVISION OF
OIL, GAS & MINING

Cleon B. Feight, Director (8)
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, UT 84116

Hold for reply from Champlin & Anschutz!

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

File: HAS-227-986.511

DATE: _____

BY: _____

Dear Mr. Feight:

Application for Well Location Exception, *Location change (BHL only)*
Island Ranching "C" No. 1, SE/4 Section 26 T4N-R7E,
Twin Creek Formation, Anschutz Ranch Field,
Summit County, Utah

By this verified application, Amoco Production Company hereby makes application to drill its Island Ranching "C" No. 1 from a surface location of 1323' FSL x 1721' FEL Section 26 T4N-R7E to a 100' x 100' target area in the Twin Creek in the same SE/4 of Section 26-T4N-R7E that has as its center a footage location of 1800' FSL x 2600' FEL Section 26 T4N-R7E.

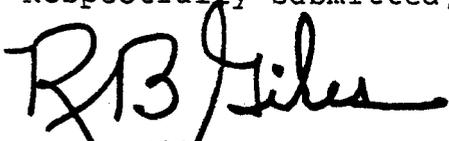
The well when it penetrates the above described target area at the Twin Creek level, see the attached plat, will require an exception to the 990' well location setback requirement of the field spacing order for Anschutz Ranch Field in Cause No. 183-1 entered July 26, 1979, by the Utah Board. The well will be intentionally deviated under General Rule C-8 to hit the target area for production from the Twin Creek. The requested location exception is a move towards the interior of Amoco's wholly leasehold owned Section 26. The E/2 of Section 26 will be the designated 320 acre spacing unit for this well.

The reason for the requested location exception is geological. To the east of the fault (again refer to the attached plat) the beds dip steeply. We should like to encounter the Twin Creek formation in Island Ranching "C" No. 1 as close to the fault as the Champlin 372 Amoco "B" No. 1 encountered the Twin Creek in the NW/4 of Section 35 to reasonably assure a commercial producer.

Cleon B. Feight
July 3, 1980
Page Two

The attached Verification and Affidavit of mailing to all owners within the spaced area of Anschutz Ranch Field is a part of this application. The other owners, besides Amoco, are Anschutz and Champlin. If there is no objection to this requested well location exception, we ask that Anschutz and Champlin each so signify on three (3) copies of this letter in the space provided below, sending one copy to you in Salt Lake City, one copy to me, and retaining the third copy for their own files. Upon receipt by you of waivers of objection from Anschutz and Champlin, and provided you have no objection to this application, we shall appreciate receiving your administrative approval. Of course, if there is an objection, please set the matter for hearing.

Respectfully submitted,



R. B. Giles

RBG/lkh

Attachments

The undersigned has no objection to Amoco's request to drill its Island Ranching "C" No. 1 well from a surface location of ~~1323' FSL x 1721' FEL~~ Section 26, T4N, R7E to a 100' x 100' target area in the Twin Creek centered ~~1800' FSL x 2600' FEL~~ Section 26, T4N, R7E and to produce said Twin Creek well as an exception to the 990' setback requirement of the Order in Cause No. 183-1 entered July 26, 1979, by the Utah Board.

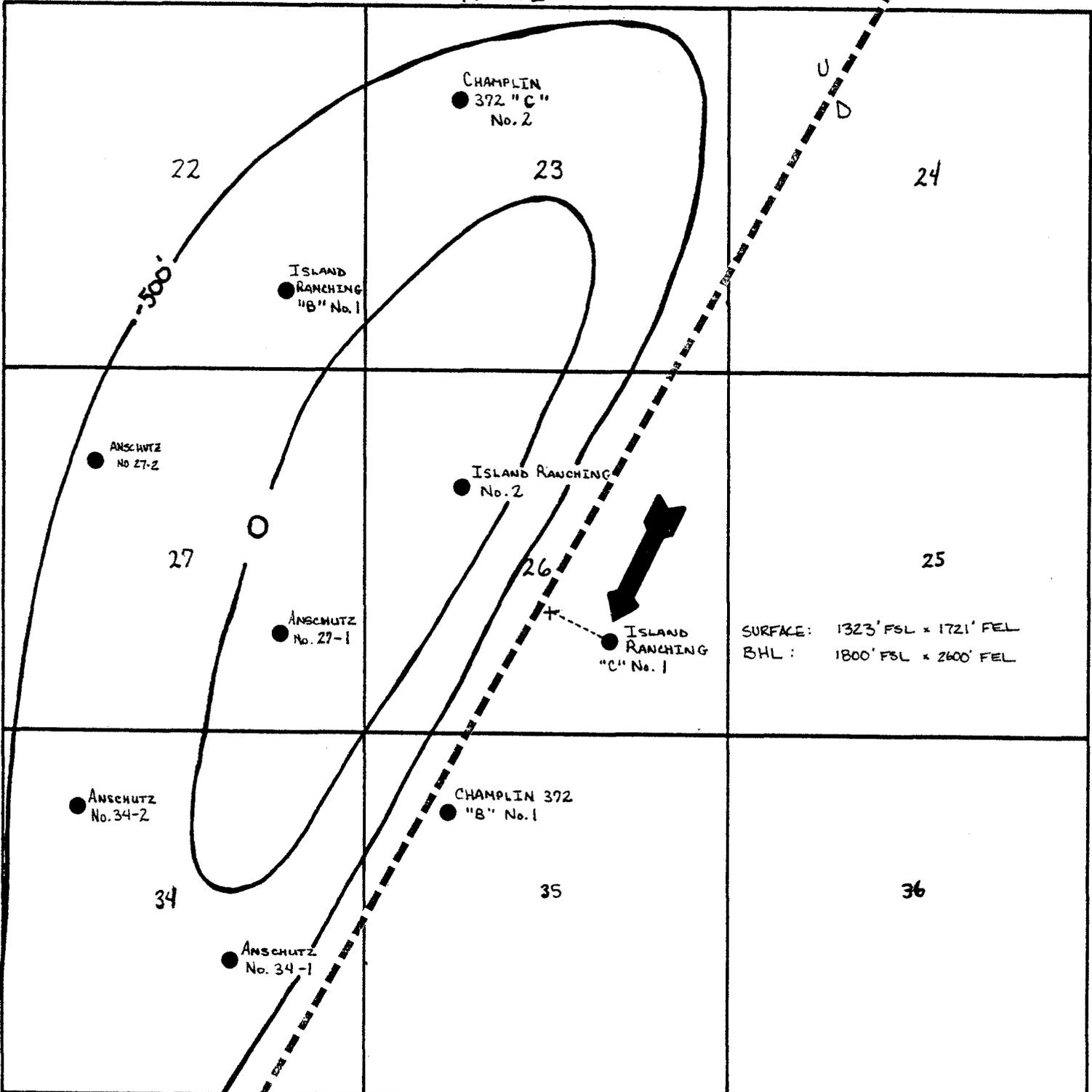
BY: _____

REPRESENTING: _____

DATED: _____

ET441

R-7E



T
4
N

ANSCHUTZ RANCH FIELD, SUMMIT CO., UTAH

NUGGET STRUCTURE MAP



2400 ANACONDA TOWER · 555 SEVENTEENTH STREET · DENVER, COLORADO 80202 · 303-825-6100 · TWX 910-931-2620

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

July 22, 1980

Mr. Cleon B. Feight, Director
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Island Ranching "C" #1
SE 26-4N-7E Anschutz Ranch Field
Summit County, Utah

Dear Mr. Feight:

The Anschutz Corporation does not approve Amoco's July 3, 1980 request to drill subject well at an off-pattern location for the following reasons:

There is no proof that an on-pattern well would be east of the fault or that a well drilled on-pattern east of the fault would be non-productive.

The fault's location is speculative; it was interpreted from geophysical data and has yet to be defined by drilling. Other geophysical interpretations in this field have been shown by subsequent drilling to have been seriously in error.

The Nugget Structure Map submitted with Amoco's application shows their Champlin 372 "B" #1 east of the fault. We do not agree with this interpretation, nor do we understand the relevance of Nugget structure to a Twin Creek application.

The plat omits section 3-3N-7E in which the 3-1 (NE 3) and the 3-2 (SW 3) were completed as Twin Creek producers.

The application does not cover the Nugget which is spaced the same as the Twin Creek. We believe it also to be potentially productive in this well.

We do not believe there is adequate evidence to support Amoco's request and recommend that it be denied.

Sincerely,

John D. Haley
JOHN D. HALEY
Vice President - Production

JDH:racd

cc: R. B. Giles, Amoco
R. P. Vernon, Champlin
MAW, CDW, MAS



July 24, 1980

DIVISION OF
OIL, GAS & MINING

Cleon B. Feight, Director (8)
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, UT 84116

File: HAS-234-986.511

Dear Mr. Feight:

Application for Well Location Exception,
Island Ranching "C" No. 1,
SE/4 of Section 26-T4N-R7E,
Twin Creek Formation, Anschutz Ranch Field,
Summit County, Utah

By our July 3, 1980, letter to you, Amoco Production Company requested your administrative approval of the application to drill its Island Ranching "C" No. 1 from a surface location of 1,323' FSL and 1,721' FEL of Section 26-T4N-R7E, to a 100' x 100' target area in the Twin Creek formation in the same SE/4 of Section 26 that has as its center a footage location of 1,800' FSL and 2,600' FEL of Section 26. The well when it penetrates the above described target area at the Twin Creek level, will require an exception to the 990' well location setback requirement of the field spacing order for Anschutz Ranch Field in Cause No. 183-1 entered by the Utah Board on July 26, 1979.

You received, as I did, Champlin's waiver of objection executed by R. P. Vernon dated July 15, 1980. The Anschutz Corporation Inc., however, has voiced its objection to Amoco's request.

Please set this application for hearing on the Board's regular hearing docket of Thursday, August 28, 1980.

Very truly yours,

R. B. Giles
R. B. Giles

RBG/mlm

Enclosure

UD555

VERIFICATION AND AFFIDAVIT

STATE OF COLORADO)
 : ss.
COUNTY OF DENVER)

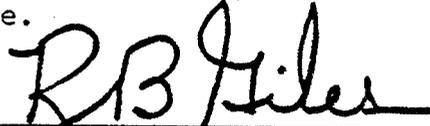
R. B. Giles, of lawful age, being first duly sworn on his oath, deposes and says:

That he is employed in an engineering capacity by Amoco Production Company in its Denver, Colorado, office; that he has been qualified as an expert engineering witness by the Utah Board of Oil, Gas and Mining and his qualifications have been made of record; that he has testified numerous times before the Utah Board of Oil, Gas and Mining on well spacing matters; that Amoco's application for a hearing to secure approval to intentionally deviate its Island Ranching "C" No. 1 to a 100' x 100' target area in the Twin Creek centered 1,800' FSL and 2,600' FEL of Section 26-T4N-R7E and to produce the well as an exception to the 990' setback requirements of the Order in Cause No. 183-1 entered by the Utah Board on July 26, 1979, for Anschutz Ranch Field in Summit County, Utah, was prepared under his direction and supervision; that the matters and things therein set forth are true and correct to the best of his knowledge and beliefs; and that a copy thereof was mailed from the Applicant's Denver, Colorado, office on July 24, 1980, to the following parties, who are the only owners of oil and gas leases, other than Amoco, covering the lands spaced in Anschutz Ranch Field, at the addresses shown herein, to wit:

John D. Haley
The Anschutz Corp., Inc.
2400 Anaconda Tower
555 - 17th Street
Denver, Colorado 80202

R. P. Vernon
Champlin Petroleum Company
P. O. Box 1257
Englewood, Colorado 80150

and to the best of his information, knowledge and belief the above named parties are the only owners to whom notice of such application is required to be given in accordance with Rule B-7 of the Utah General Rules and Regulations and Rules of Practice and Procedure.



R. B. GILES

Subscribed and sworn to before me this 24th day of July, 1980.



NOTARY PUBLIC

My Commission expires:

8-1-82

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

April 1, 1981

Amoco Production Co.
P.O. Box 17655
Salt Lake City, Utah 84117

Re: SEE ATTACHED SHEET

Gentlemen:

In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not recieved any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. (If we do not hear from your company within fifteen (15) days, we, will assume you do not intend to drill these wells and action will be taken to terminate the application.) If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

SANDY BATES
CLERK-TYPIST

ATTACHED SHEET

1. Well No. Champlin 388-Amoco "B" #1
Sec. 35, T. 6N. R. 7E.
Rich. County, Utah

2. Well No. Island Ranching "C" #1
Sec. 26, T. 4N. R. 7E.
Summit County, Utah

3. Well No. Champlin 458-Amoco "D" #2
Sec. 29, T. 4N. R. 8E.
Summit County, Utah

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

SUBMIT INSTRUCTIONS ON
(Other side)

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.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1324' FSL & 1722' FEL		8. FARM OR LEASE NAME Island Ranching "C"
14. PERMIT NO. 43-043-30139		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7507' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T4N, R7E
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.)*		12. COUNTY OR PARISH 18. STATE Summit Utah

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"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other)	FULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <u>Perforating</u>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input checked="" type="checkbox"/>

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

Amoco Production Company advises that the following work has been performed on the subject well:

TD: 9672'
 Casing: 7" set at 9071'
 10 3/4" set at 1520'
 Cast Iron Bridge Plugs Set at: 9010', 8950', 8650'
 Perforations: 8968' - 8992', Rich Formation
 8844' - 8854')
 8758' - 8770') Watton Canyon Interval
 8428' - 8560')

(all perforations with 4 JSPF)

**APPROVED BY THE STATE
OF UTAH; DIVISION OF
OIL, GAS, AND MINING**
 DATE: 7-21-81
 BY: Original Signed by C. B. Felght

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

SIGNED _____	TITLE <u>Administrative Supervisor</u>	DATE <u>June 26, 1981</u>
--------------	--	---------------------------

(This space for Federal or State office use)

APPROVED BY _____	TITLE _____	DATE _____
-------------------	-------------	------------

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 15, 1981

Amoco Production Company
P.O. Box 17675
Salt Lake City, Utah 84078

Re: See Attached

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing the forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

CARI FURSE
CLERK TYPIST



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 15, 1981

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84078

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Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

CARI FURSE
CLERK TYPIST

WELL # Louisiana Land & Exploration Federal 1-34
Sec. 34, T. 8N, R. 6E, NE SE
Rich County, Utah

Well # Champlin 55-1 Amoco "B" #1
Sec. 33, T. 3N, R. 4E
Summit County, Utah

Well No. State of Utah "S" #1
Sec. 30, T. 3N, R. 7E, NW SW
Summit County, Utah

Well No. Howell Livestock "B" #1
Sec. 6, T. 3N, R. 8E
Summit County, Utah

Well No. Island Ranching "D" #1
Sec 14, T. 4N, R. 7E
Summit County, Utah

Well No. Island Ranching "E" #1
Sec 36, T. 4N, R. 7E
Summit County, Utah

Well No. Champlin 458 Amoco "D" #4
Sec 29, T. 4N, R. 8E
Summit County, Utah

Well No. Champlin 458 "E" WIU # 1
Sec, 31, T. 4N, R. 8E
Summit County, Utah

Well No. Champlin 458 "E" WIU #2
Sec. 31, T. 4N, R. 8E
Summit County, Utah

Well No. Island Ranching "E" #2
Sec. 36, T. 4N, R. 7E
Summit County, Utah

Well No. Champlin 846- Amoco "B" 1
Sec. 19, T. 5N, R. 8E
Summit County, Utah

Well No. M.A. SMith #2
Sec. 16, T. 3S, R. 10W
Wasatch County

Well No. Champlin 551-amoco B1
Sec. 33, T. 3N, R. 4E
Summit County, Utah
(1981 monthlys)

Well No. Island Ranching #c-1
Sec. 26, T. 4N, R. 7E
Summit County, Utah
(August - November)

Well No. Thousand Peaks Ranching WIU #1
Sec. 32, T. 4N, R. 8E
Summit County, Utah
(April- November)

Well No. Champlin 458 Amoco "D" #2
Sec. 29, T. 4N, R. 8E
Summit County, Utah
(August- November)

Well No. Champlin 846 Amoco A1
Sec. 25, T. 5N, R. 7E
Summit County
SECOND NOTICE
(May 1981- November 1981)

Well No. Island Ranching #C 1
Sec. 26, T. 4N, R. 7E
Summit County

Well No. Thousand Peaks Ranching WIU #1
Sec. 32, T. 4N, R. 8E
Summit Cou-nty, Utah



SUBJECT Champion 8-16 A-1

Estimated Life of Injection Well

Nugget

Avg. porosity = 10% (from oil log)

$$\text{Porosity} = \frac{\text{Void Volume}}{\text{Bulk Volume}}$$

Thickness of Formation = 1,104 ft.

Area w/ 6/10 acre spacing

$$(610 \text{ acres}) \left(\frac{43,560 \text{ sq. ft.}}{1 \text{ acre}} \right) = 27,878,100 \text{ sq. ft.}$$

Formation Pore Volume

$$(27,878,100 \text{ sq. ft.})(1,104 \text{ ft.})(0.10) = 3.078 \times 10^9 \text{ cu. ft.}$$

$$(3.078 \times 10^9 \text{ cu. ft.}) \left(\frac{0.1781 \text{ bbls}}{1 \text{ cu. ft.}} \right) = \underline{5,481,517,92 \text{ bbls}}$$

Avg. Daily Disposal = 5000 bpd

$$\text{Life} = \frac{5,481,517,92 \text{ bbls}}{(5000 \text{ bpd})(365 \text{ dpy})} = 300 \text{ years}$$



SUBJECT ISLAND RANCHING - C M 1

Estimated Life of Injection Well

Nugget

Avg Porosity 10% (based on charts)

Formation Thickness ≈ 1000 ft

Spacing 320 acres

Formation Pore Volume

$$(320 \text{ acres}) \left(\frac{43,560 \text{ sq ft}}{\text{acre}} \right) (1000 \text{ ft}) (0.10) = 1.394 \times 10^9 \text{ cu ft}$$

$$(1.394 \times 10^9 \text{ cu ft}) \left(\frac{0.1781 \text{ bbls}}{1 \text{ cu ft}} \right) = 248,257,152 \text{ bbls}$$

Avg Daily Disposal - 5000 bpd

$$\text{Life} = \frac{248,257,152}{(5000)36.5} = 136 \text{ yrs}$$

Island Ranching C-1

Step Rate Test

2/83

461510

10 X 10 TO THE CENTIMETER 18 X 25 CM.
KEUFFEL & ESSER CO. MADE IN U.S.A.

Pressure (psi)
Bottom Hole

6000
5900
5800
5700
5600
5500
5400
5300
5200
5100
5000

Rate (GPM)	BHP (psi)	Surface Pressure (psi)
3024	5450	1510
3456	5504	1660
3744	5577	1800
4176	5602	1950
4608	5656	2100
5040	5695	2260
5328	5749	2410
5760	5745	2550
5976	5813	2690
6336	5807	2820

3000 3800 4600 5400 6200

Injection Rate (GPM)

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

REGISTERED SUBMITTER TRIPLICATE*
(Instructions on reverse side)

JUN 22 1981

D

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.)

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2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																				
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, UT 84117		7. UNIT AGREEMENT NAME																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1324' FSL & 1722' FEL		8. FARM OR LEASE NAME Island Ranching "C"																				
14. PERMIT NO. 43-043-30139	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7507' GR	9. WELL NO. #1																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch																				
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TD: 9672'
 Casing: 7" set at 9071'
 10 3/4" set at 1520'
 Cast Iron Bridge Plugs set at: 9010'; 8950'; 8650'' 8420'; 8300'

Perforations: 8306' - 8414') Leads Creek Interval
 8160' - 8290')

Perforations w/4 JSPF

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

SIGNED G. R. [Signature] TITLE Admin. Supervisor DATE July 20, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



Amoco Production Company (USA)

Post Office Box 17675
Salt Lake City, Utah 84117
801-272-9253

Martin Zimmerman
District Superintendent

September 17, 1981

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

File: DSD-441-031.190

Application for Subsurface Water Disposal Operations - Anschutz
Ranch East and Surrounding Areas - Summit County, Utah

In accordance with recent discussions between representatives of our staff and Mr. Mike Minder of your agency, Amoco Production Company herewith submits the following information in addendum to our application for subsurface water disposal operations.

- Amoco requests that the Champlin 458 Amoco "B" #1A be deleted from our request for conversion to a water disposal well. Additional reservoir and structure information indicates the possibility of an offset well in this area.
- Amoco anticipates operating at an injection rate of 2000 barrels water/day with a 5000 barrel/day maximum rate - at a maximum injection pressure of 2000 psi.
- Amoco proposes to pre-treat any sour water prior to injection with inhibitors to render the disposal water non-corrosive. Treatment will be with ironite sponge and no chromates will be used.
- Amoco anticipates cement squeezing the open Twin Creek perforations in the Champlin 846 Amoco "A" #1 and pressure testing to insure the integrity of the squeeze prior to injection.

Enclosed for your review are copies of the Cement Bond Logs for the Champlin 846 Amoco "A" #1 well and the Island Ranching "C" #1 well, each proposed for conversion to water disposal.

As a final note, volumetric calculations for each of the proposed disposal wells indicate a life of the well and the disposal formation to be 100+ years.

Should you require additional information, please contact Scheree Wilcox of this office at 801-272-9253. Your prompt attention to our disposal application will be appreciated in order that sundry work may be performed prior to the influx of winter weather conditions.

A handwritten signature in cursive script that reads "Martin Zimmerman". The signature is written in black ink and is positioned above the typed name and title.

Martin Zimmerman
District Superintendent

Attachments

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

TEMPLE A. REYNOLDS
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
EDWARD T. BECK
E. STEELE McINTYRE
BOB NORMAN
MARGARET BIRD
HERM OLSEN

September 29, 1981

Amoco Production Company
Mr. Martin Zimmermann
P.O. Box 17675
Salt Lake City, UT 84117

Re: Champlin 846 Amoco "B" #1A
Sec. 25, T5N, R7E
and
Island Ranching "C" #1
Sec. 26, T4N, R7E
Summit County, Utah

Dear Mr. Zimmerman,

Please be advised that administrative approval has been granted to dispose of gas plant process water and produced water into the above mentioned wells.

Said approval is however, conditional upon adhering to the provisions of Rule I-1 of the "Underground Injection Control" program rules and regulations which were adopted on September 24, 1981, and upon the conditions listed below:

- a) Applicant will take two samples of formation water by production swab tests, one from the upper interval and one from a lower interval.
- b) Applicant will notify this office prior to taking such samples in order that a member of the staff may be present to witness such tests, and take independent samples.
- c) Applicant will provide continuous monitoring equipment for the volume of fluids injected and injection pressures.

Should you have any questions relative to the above, please do not hesitate to call or write.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

THALIA R. PRATT
UIC SPECIALIST

SCOTT M. MATHESON
Governor

TEMPLE A. REYNOLDS
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

September 29, 1981

Amoco Production Company
Mr. Martin Zimmerman
P.O. Box 17675
Salt Lake City, UT 84117

SALT LAKE COUNTY MINING BOARD				
RECEIVED				
SEP 30 '81				
CHARLES R. HENDERSON Chairman				
JOHN L. BELL				
EDWARD T. BECK				
STEVE MCINTYRE				
BOB NORMAN				
MARGARET BIRD				
HERM OLSEN				
ROUTE AS FOLEY				
MZ				
DSD				
JHB				
WRH				
WT				
VJS				
BCR				
DW				
F	WELL	CONT	MAN	P&C
I		USE	PLI	CORR
L				
E				

Re: Champlin 846 Amoco ~~"B" #1A~~
Sec. 25, T5N, R7E
and
Island Ranching "C" #1
Sec. 26, T4N, R7E
Summit County, Utah

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Very truly yours,

DIVISION OF OIL, GAS, AND MINING

THALIA R. PRATT
UIC SPECIALIST

WELL PETROLEUM LABORATORIES
 BOX 281 - 24 HOUR PHONE 207-708-4011
 76 FREEDOM LANE #1 - EVANSTON, WYOMING 82031

GAS ANALYSIS
 OIL ANALYSIS
 CORE ANALYSIS
 WATER ANALYSIS

SAMPLE NO. 2081
 DATE RUN: 5/16/83

COMPANY: M200 PROD CO.
 SAMPLE FROM: ISLAND RANCHING C#1 FILTERED
 FORMATION:

DATE: 5/5/83 TIME: COUNTRY: STATE:

DEPTH:

WATER ANALYSIS

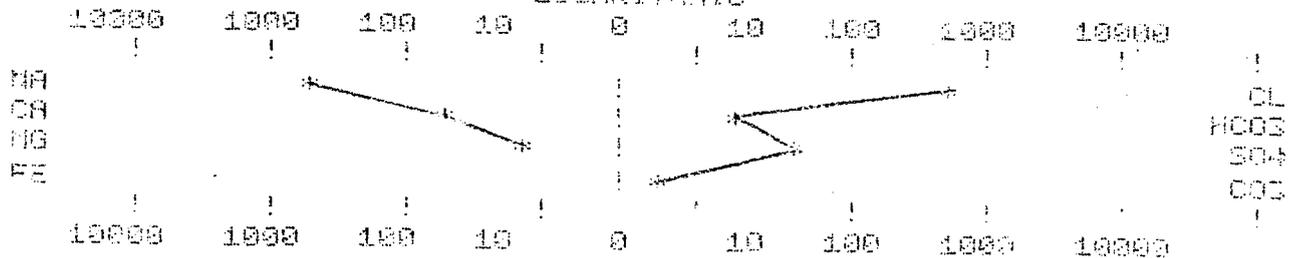
CATIONS		MG/L	ME/L	ANIONS		MG/L	ME/L
SODIUM	-NA	2578.12	329.65	CHLORIDE	- CL	12510.88	252.78
POTASSIUM	-K	439.00	11.81	SULFATE	- SO4	350.00	17.56
CALCIUM	-CA	361.49	28.91	CARBONATE	- CO3	0.00	0.00
MAGNESIUM	-MG	62.62	6.73	BICARBONATE	-HCO3	325.00	3.00
				HYDROXIDE	- OH	0.00	0.00
TOTAL CATIONS		3652.24	375.46	TOTAL ANIONS		12855.88	275.46

OTHER PROPERTIES

pH 6.98
 RESISTIVITY (OHMS-METERS) 70 F .38

TOTAL DISSOLVED SOLIDS (TDS) (MG/L) 21317.24
 IRON - FE (TOTAL) (MG/L) 0.00
 SULFIDE AS H2S NOT TESTED

WATER PATTERNS--ME/L
 LOGARITHMIC



REMARKS AND RECOMMENDATIONS:

COPIES TO:
 SUZIE BALDUGH SLD UTRH

ANALYSIS BY: BCB

APPROVED BY: *Brian C. Blayquist*

BELL PETROLEUM LABORATORIES
 BOX 831 * 24 HOUR PHONE 387-755-4813 OR 4173
 75 FREEDOM LANE #1 - EVANSTON, WYOMING 82930

3

GAS ANALYSIS
 OIL ANALYSIS
 CORE ANALYSIS
 WATER ANALYSIS

SAMPLE NO. 2989

DATE RUN 5/16/83

COMPANY: AMOCO PROD CO.
 SAMPLE FROM: ISLAND RANCHING C #1 UNFILTERED
 FORMATION:

DATE: 5/5/83 TIME: COUNTY: STATE:

WATER ANALYSIS

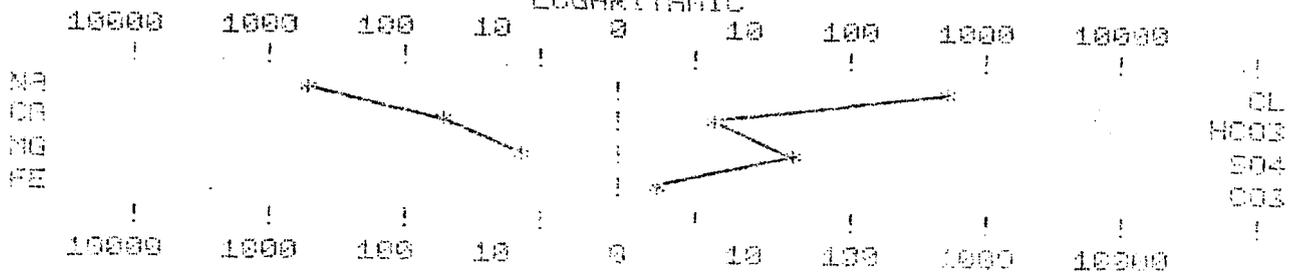
CATIONS	MG/L	ME/L	ANIONS	MG/L	ME/L
SODIUM -NA	7753.23	337.27	CHLORIDE - CL	12888.00	308.95
POTASSIUM -K	438.10	12.81	SULFATE - SO4	991.00	19.72
CALCIUM -CA	581.45	29.81	CARBONATE - CO3	0.00	0.00
MAGNESIUM -MG	82.82	6.79	BICARBONATE -HCO3	258.00	4.48
			HYDROXIDE - OH	0.00	0.00
TOTAL CATIONS	8847.48	384.00	TOTAL ANIONS	13939.00	334.00

OTHER PROPERTIES

PH 6.24
 RESISTIVITY (OHMS-METERS) 79 F .38

TOTAL DISSOLVED SOLIDS (CALC.) 29315.80
 IRON - FE (TOTAL) .43% TESTED
 SULFIDE AS H2S NOT TESTED

WATER PATTERNS--ME/L
 LOGARITHMIC



REMARKS AND RECOMMENDATIONS:

COPIES TO:
 SUEIE BALOUGH SLC UTAH

ANALYSIS BY: BOB

APPROVED BY: *Blaine C. Blayney*

BELL PETROLEUM LABORATORIES

P.O. BOX 100 * 24 HOUR PHONE 307/266-1000
CASPER, WYOMING 82602

AIR MONITORING
COMPLETE GAS SERVICE
CONSULTING CHEMISTS
POLLUTION CONTROL
WATER ANALYSIS

SAMPLE NO...460

DATE RUN: 6/17/81

A SAMPLE OF: WATER FROM AMOCO PRODUCTION COMPANY
 SAMPLE FROM: ISLAND RANCHING C-1 6/15/81
 AT: SECURED BY:
 SAMPLING CONDITIONS: PRESS: TEMP: TIME: DATE:

WATER ANALYSIS

DISSOLVED SOLIDS

CATIONS	MG/L	ME/L
SODIUM-NA	3693.37	160.66
POTASSIUM-K	11104	284.26
CALCIUM-CA	1984.95	99.05
MAGNESIUM-MG	352.35	28.96
BARIIUM-BA	0	0
TOTAL CATIONS	17134.67	572.94

OTHER PROPERTIES

PH
RESISTIVITY(OHM-METERS), 77 F .22⁶

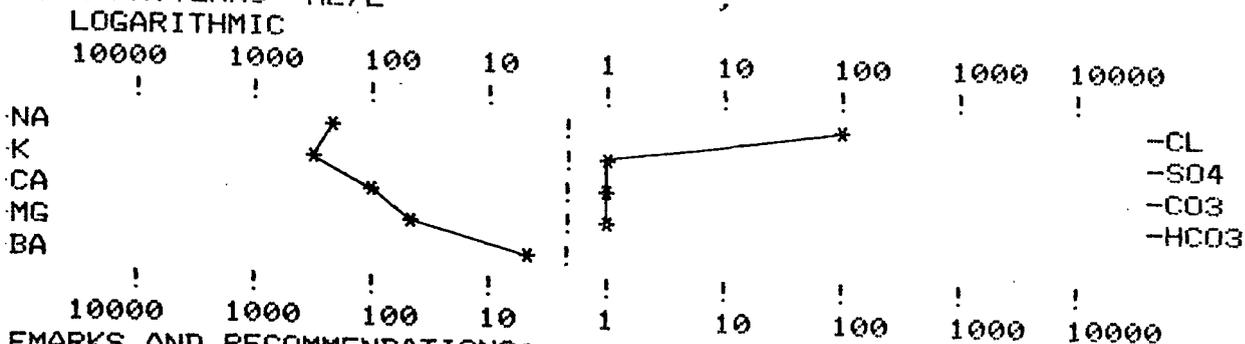
ANIONS

CHLORIDE-CL	20200	569.64
SULFATE-SO4	120	2.5
CARBONATE-CO3	0	0
BICARBONATE-HCO3	48.8	.8
TOTAL ANIONS	20368.8	572.94

TOTAL DISSOLVED SOLIDS(CALC.)
37503.47

IRON-FE (TOTAL) 0
SULFIDE AS H2S 0

WATER PATTERNS--ME/L



REMARKS AND RECOMMENDATIONS:

COPIES TO:

ANALYSIS BY:

In reference to Rule I-5-b-5,6:

Design Injection Rate (normal operating practice) - 5000 BWP (3411 BWP)
Design Injection Pressure (normal operating practice) - 3000 psi
(2100 psi)

Injection rates are controlled by pump capacities. Three injection pumps are utilized, two of which have maximum capacities of 2000 BWP, and the third a capacity of 1000 BWP. At any given time, under normal operating conditions, only two of these three pumps will be operating together.

Injection pressures are controlled by a high pressure shut-off valve on each pump. These emergency shut down valves are set at 3000 psi on each pump. The casing pressure, or tubing annulus, is controlled by a Pressure relief system. When the pressure exceeds 100 psi on the annulus, the annulus pressure is relieved to a pit. In case of a shut-in, the Island Ranching C-1 location has storage for 7200 BBLs of water. Glasscock Hollow Field, a nearby source of injection fluid, has an additional 1200 bbls of storage.

Injection Fluid Source

Geologic Name - Nugget, 5% of total from Twin Creek (ARW)
Location and Depth - Anschutz Ranch East - 14,000'
 Anschutz Ranch West - 9,500'
 Glasscock Hollow - 14,000'

Drinking Water Sources

Geologic Name - Calvin Formation
Lateral Extent - Greater than 15 miles
Depth to Top - 2562' approx.
Depth to Bottom - 3010' approx.

MECHANICAL INTEGRITY TEST

In reference to Rule 1-5-b-8 concerning mechanical integrity tests, Amoco's procedure is to fill the casing with 2% KCL water after drilling out cement from the primary cement job and then apply 1000-1500 psi to the casing while running a CBL. This is a pressure test of about 5200-5700 psi at bottom-hole conditions in a 9500' well. Additional tests are performed when cement retainers or packers are set. The annulus is usually tested to 1500 psi with 2% KCL water in the hole to make sure the cement retainers or packers are not leaking. The pressure is applied by pumping down the backside with a rig pump. When the final packer and production strings are set in the hole the casing tubing annulus is pressure tested to 1500-3000 psi with corrosion inhibited 2% KCL water in the casing-tubing annulus.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 2, 1982

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Island Ranching "C" #1
Sec. 26, T. 4N, R. 7E.
Summit County, Utah
(December 1981- February 1982)

Well No. Champlin 458 Amoco "D" #2
Sec. 29, T. 4N, R. 8E
Summit County, Utah
(December 1981- February 1982)

Well No. Champlin 846 Amoco A1
Sec. 25, T. 5N, R. 7E
Summit County, Utah
(December 1981- February 1982)

SECOND NOTICE ON ALL ABOVE WELLS

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

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

SUBMIT TRIPLICATE*
(Other instructions on reverse side)

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. Fee
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Disposal Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		8. FARM OR LEASE NAME Island Ranching "C"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1324' FSL & 1722' FEL		9. WELL NO. #1
14. PERMIT NO. 43-043-30139		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7507' GR		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T4N, R7E
		12. COUNTY OR PARISH 18. STATE Summit Utah

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"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>REPORT OF OPERATIONS</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Reference is made to your approval of September 29, 1981 (copy attached) for conversion of the subject well to water disposal.

At the present time, conversion operations have not been conducted. Your office will be advised when Amoco initiates work on the subject well.

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

SIGNED [Signature] TITLE Administrative Supervisor DATE 3-8-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT TRIPLICATE*
(Other instructions on reverse side)

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.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Disposal Well</u>		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR <u>AMOCO PRODUCTION COMPANY</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>P.O. Box 17675 Salt Lake City, Utah 84117</u>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1324' FSL & 1722' FEL</u>		8. FARM OR LEASE NAME <u>Island Ranching "C"</u>
14. PERMIT NO. <u>43-043-30139</u>	15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>7507' GR</u>	9. WELL NO. <u>#1</u>
		10. FIELD AND POOL, OR WILDCAT <u>Anschutz Ranch</u>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 26, T4N, R7E</u>
		12. COUNTY OR PARISH <u>Summit</u>
		18. STATE <u>Utah</u>

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"/>	FULL 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"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>REPORT OF OPERATIONS</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.)*

Reference is made to your approval of September 29, 1981 (copy attached) for conversion of the subject well to water disposal.

At the present time, conversion operations have not been conducted. Your office will be advised when Amoco initiates work on the subject well.

18. I hereby certify that the foregoing is true and correct
Original Signed By
SIGNED G. W. CHAPMAN TITLE Administrative Supervisor DATE 3-8-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 20, 1982

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Island Ranching #C-1
Sec. 26, T. 4N, R. 7E.
Summit County, Utah
(March- April 1982)

Well No. Champlin 846 Amoco A1
Sec. 25, T. 5N, R. 7E.
Summit County, Utah
(March- April 1982)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

** If we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas and Mining for legal action.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

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

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

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. Fee
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Disposal Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		8. FARM OR LEASE NAME Island Ranching "C"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1324' FSL & 1722' FEL		9. WELL NO. #1
14. PERMIT NO. 43-043-30139		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7507' GR		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T4N, R7E
		12. COUNTY OR PARISH 18. STATE Summit Utah

264-2200

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"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>REPORT OF OPERATIONS</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.)*

Reference your approval of September 29, 1981 for conversion of the subject well to water disposal.

Amoco Production Company is currently performing work on said well for subsequent water disposal operations to be commenced July-August, 1982. A complete report of work performed will be submitted immediately upon completion of operations.

Talked to Cherie
6-10 abt sending
in WC

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

SIGNED [Signature] TITLE Administrative Supervisor DATE 6-3-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

OGCC-3

NOV 18 1982

STATE OF UTAH

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

10

DIVISION OF OIL, GAS & MINING
WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Water disposal well

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

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
P. O. Box 17675, Salt Lake City, Utah 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 1,324' FSL and 1,722' FEL NW/4, SE/4
 At top prod. interval reported below
 At total depth 1,754' FSL and 1,927' FEL NW/4, SE/4

14. PERMIT NO. 43-043-30139 DATE ISSUED 6-9-80

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. Island Ranch "C"10. FIELD AND POOL, OR WILDCAT #111. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Anschutz Ranch
Sec 26, T4N, R7E12. COUNTY OR PARISH Summit 13. STATE Utah

15. DATE SPUNDED 3-6-81 16. DATE T.D. REACHED 5-23-81 17. DATE COMPL. (Ready to prod.) 9-18-82 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7,507' GR 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 9,825' 21. PLUG, BACK T.D., MD & TVD 9,807' 22. IF MULTIPLE COMPL., HOW MANY* -- 23. INTERVALS DRILLED BY SURE TO TD ROTARY TOOLS SURE TO TD CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
9,550' - 9,767' 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL - MSFL, BHC, BGT, FDC/CML, Dipmeter 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4	32.75#	1,520'	12 1/2"	1500 sx	
7 5/8	26.4 - 33.7#	9,072'	9 7/8"	1700 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"	7757'	9807'	250	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	7698'	
2 3/8"	9440'	9440'

31. PERFORATION RECORD (Interval, size and number)

8160' - 8290'	4JSPF	1 11/16"
8306' - 8414'	4JSPF	1 11/16"
8428' - 8560'	4JSPF	1 11/16"
8758 - 8854'	4JSPF	1 11/16"
8968' - 8992'	4JSPF	1 11/16"
9550' - 9767'	4JSPF	1 11/16"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8160' - 8992'	740 sx
8428' - 8560'	28% HCL 7,500 Gals
8758' - 8854'	28% HCL 4,440 Gals
9550' - 9767'	15% HCL 1,500 Gals

33. PRODUCTION
 DATE FIRST PRODUCTION 9-1-82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Injection WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
	<u>Injection</u>						
FLOW. TUBING PRESS.	CALCULATED PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
	<u>1550</u>				<u>2000</u>		

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED [Signature] TITLE Administrative Supervisor DATE 11/16/82

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in 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) (if any) 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	
			4383'
		Gannet	
			6584'
		Preuss	
			7444'
		Twin Creek	
			9548'
		Nugget	
			No cores
			No DST

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
 (Revised 1982)

IN THE MATTER OF THE APPLICATION OF
Amoco Production Co., USA

CAUSE NO. _____

ADDRESS P.O. Box 829
Evanston, WY ZIP 82930
 INDIVIDUAL PARTNERSHIP CORPORATION X
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE Island Ranching Co. WELL
 SEC. 26 TWP. 4N RANGE 7E
Summit COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL	<input type="checkbox"/>
DISPOSAL WELL	<input checked="" type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE I-4)	<input type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Island Ranching</u>	Well No. <u>C-1</u>	Field <u>Anschutz Ranch</u>	County <u>Summit</u>
Location of Enhanced Recovery Injection or Disposal Well <u>NW SE</u> Sec. <u>26</u> Twp. <u>4N</u> Rge. <u>7E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>6/27/82</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>3010</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	State What	
Location of Injection Source(s) <u>Anschutz Ranch Field (ARW)</u> <u>Glasseck Hollow field (GH)</u>	Geologic Name(s) and Depth of Source(s) <u>Nugget Formation</u> <u>14,000' (ARE, GH) 7000' (ARW)</u>		
Geologic Name of Injection Zone <u>Nugget Formation</u>	Depth of Injection Interval <u>9548</u> to <u>10,650 9767</u>		
a. Top of the Perforated Interval: <u>9550</u>	b. Base of Fresh Water: <u>4910</u>	c. Intervening Thickness (a minus b) <u>4640</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <u>YES</u>			
Lithology of Intervening Zones <u>Gannet Group (Lmst, Mudstone, SS), Preuss Salt, Twin Creek Limestone.</u>			
Injection Rates and Pressures Maximum <u>5000</u> B/D <u>2500</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>Anschutz Corporation</u> <u>2400 Anaconda Tower</u> <u>555 17th St.</u> <u>Denver, CO 80202</u>			

State of Wyoming

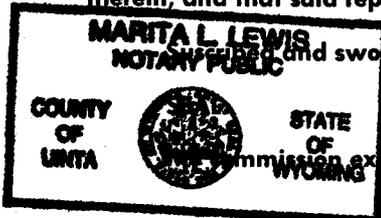
Amoco Production Company

T.G. Don

Applicant

County of Uinta

Before me, the undersigned authority, on this day personally appeared _____ known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.



and sworn to before me this 10th day of Oct, 1983

Marita L. Lewis
 Notary Public in and for Uinta Co.

Commission expires 2/11/86

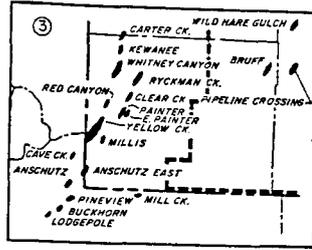
(OVER)

INSTRUCTIONS

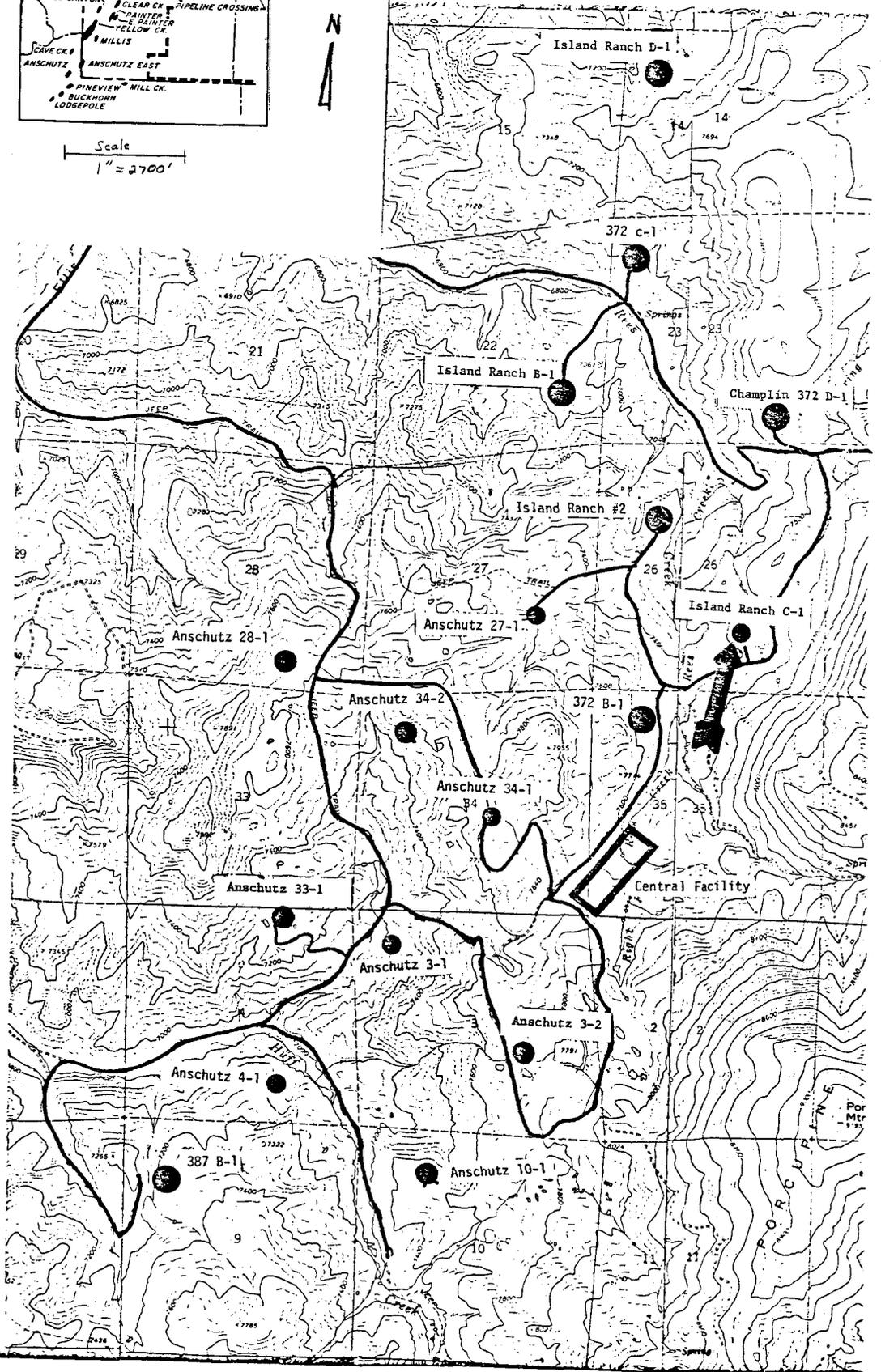
1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	10-3/4	1520'	1500 sx	surface	Design
Intermediate	7-5/8	9072'	1700 sx	5000'	Cement Bond Log
Production	5"	9807'	250 sx	7757'	Calculation
Tubing	2-7/8, 2-3/8	7757', 9440'	Name, Type - Depth of Tubing Packer 2-7/8", 6.4#/ft, L-80/2-3/8", 4.6#/ft, C-75		
Total Depth 9807'	Geologic Name - Inj. Zone Nugget	Depth - Top of Inj. Interval 9548'	Depth - Base of Inj. Interval 10,650'		



Scale
1" = 2700'



Port
Mts
1775

Cement Bond Log Evaluation of
Island Ranching C-1

In reference to Rule I-5-b-3

Good bond from 7" casing shoe (9011') to 8400'

Fair bond from 8400' to 7600'

Good bond from 7600' to 6300'

Fair bond from 6300' to 5600'

Good bond from 5600' to 5000'

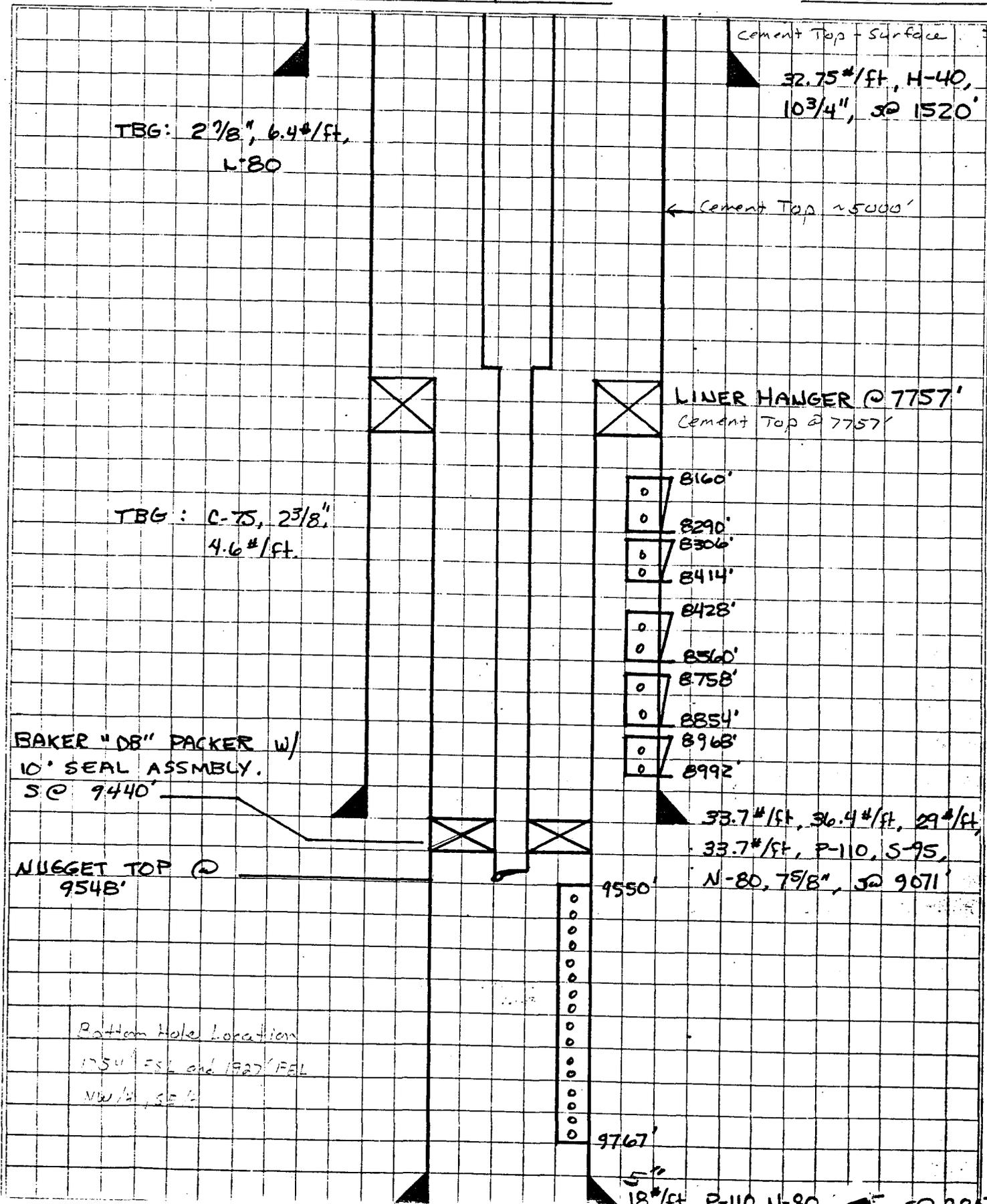


SUBJECT ISLAND RANCHING C-1

DATE 11-12-82

WELLBORE DIAGRAM

BY SUB



In reference to Rule I-5-b-4:

Maximum Injection Pressure	-	3000 psi
Maximum Injection Rate	-	5000 BHPD
Injection Fluid	-	Produced Nugget Water - see lab analysis

Lithology, Geologic Description and Rock Properties of Injected Zone -

The Nugget is a Jurassic/Triassic age sandstone making up a reservoir which is texturally heterogeneous with anisotropic properties inherited primarily from the depositional environment but also modified by diagenesis and tectonism. The Nugget was deposited by eolian processes. The sandstone is crossbedded, low-angled to horizontally bedded and rippled, consisting of very fine to coarse-grained sand laid down in dunes, interdune areas, and associated environments. Original reservoir quality has been somewhat modified by compaction, cementation, dissolution, clay mineralization, and the precipitation or emplacement of hydrocarbon residues.

Thickness is 1100'

Depth to top is 9548'

Fracture gradient in the area ranges from .58 psi/ft to .75 psi/ft.

Lithology, Geologic Description and Rock Properties of Overlying Confining Strata -

The Twin Creek formation is a limestone ranging from a grey, thin bedded, soft, argillaceous rock at the top of the formation to a dense, brittle, massive sandy limestone toward the middle, and returning to the softer argillaceous matrix toward the base.

Thickness is approximately 2000'

Depth to top is 7474'

Based on the attached step rate test performed on Island Ranching C-1, we feel the injection pressure has not yet reached the fracture pressure of the Nugget Formation. As noted, there is not a definite break in the slope of the line within the injection range tested.

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

SUBMIT DUPLICATE*
(Other Applications on
reverse side)

WJ

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.)

RECEIVED
JAN 07 1985
DIVISION OF
OIL, GAS & MINING

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection Well		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements. See also space 17 below.) At surface NWSE Sec. 26, 1324' FSL & 1722' FEL		8. FARM OR LEASE NAME Island Ranching C
14. PERMIT NO. 43-043-30139		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7493' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch
		11. SEC., T., R., M., OR BLE. AND SURVEY OR ABBA Sec. 26, T4N, R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

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"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(Other) Change permitted rates & pressures

(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.)*

We hereby request that the permitted injection rates and wellhead pressure on the existing Class II disposal well be changed from 5000 BWPD at 2500 psi to 7200 BWPD at 3000 psi. The provisions and data stated in the original permit dated October 10, 1983, still apply and we will ensure that contamination of fresh water will not occur. This change was discussed by Gilbert Hunt, Utah Oil & Gas Commission, and Alan Walker, Amoco Production Company, on 12/27/84 and approval is subject to review.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 1/11/85
BY: [Signature]

18. I hereby certify that the foregoing is true and correct
SIGNED Vann E. Prater TITLE District Engineer DATE 1/3/85
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

CLASS II FILE NOTATIONS

DATE FILED: 4/15/85 OPERATOR: Amoco WELL NO. Joland Ranch C-1

Sec. 26 T. 4N R. 7E QRT/QRT: NWSE COUNTY: Summit

New Well? Conversion? Disposal Enhanced Recovery

SURETY/Bond? Card Indexed? API Number: 43-043-30137

APPLICATION FILE COMPLETION

Completed Form DOGM-UIC-1? Yes

Plat identifying location and total depth of the following, Rule I-5(b)(1):

Surface Owner(s): 1 Operators: 1 water well(s) —, abandoned well(s) 0, producing wells or drilling well(s) 0, dry holes 0.

Completed Rule I-5(b)(2)? NA, (i) _____, (ii) _____

Schematic diagram of Well: TD: 9825, PBTD: 9807, Depth of Inj/Disp interval: 9550-9767, geologic name of inj/dis interval Nugget

Casing and cement: top 7757, bottom 9807, Size of: casing 10 3/4" at 1520', 7 7/8" at 9072-5" at 9807 tubing 2 3/8" at 7757-7 7/8" at 9440, depth of packer: 9440

Assessment of existing cement bond: Good to fair
Location of Bottomhole: _____ MAXIMUM INJECTION RATE: 7200 EWPD
MAXIMUM SURFACE INJECTION PRESSURE: 3000 PSI

Proposed Operating Data:

Procedure for controlling injection rates and pressures: switches & inspections
Geologic name: Twinn Creek, depth, 7444, location of injection fluid source. Analysis of water to be injected _____ tds, water of injection formation 37.50% tds., EXEMPTION REQUIRED? no

Injection zone and confining zone data: lithologic description Sandstone, geologic name Nugget, thickness 1100, depth 9548, lateral extent _____

USDW's that may be affected by injection: geologic name Calvin, lateral extent 15 miles, depth to the top and bottom of all known USDW's 2262-3010

Contingency plans? String tests

Results of formation testing? Fracture gradient .58-.75 PSI/FT
Description of mechanical integrity test 2500 PSI, injection procedure _____

CHECKED BY: UIC ADMINISTRATOR: [Signature]

UIC GEOLOGIST: _____

Application Complete? _____ Notice Published _____, Date: 4/15/85
DIRECTOR: Approved? _____, approval letter sent _____, Requires hearing _____



Amoco Production Company

Post Office Box 829
Evanston, Wyoming 82930
307-789-1700

T. G. Doss
District Manager

file

September 10, 1985

*See 26
4N 7E
Summit*

Ron Firth
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180

RECEIVED

SEP 16 1985

File: VEP-453-986.631

DIVISION OF OIL
GAS & MINING

Island Ranch C-1 Disposal Well
Anschutz Ranch East, Summit County

Dear Mr. Firth:

In reference to recent conversations between your office and Amoco pertaining to disposal of domestic wastes, it is proposed that monitoring of injected wastes from the sewage treatment plant at Anschutz be handled in a manner similar to what is being done for the State of Wyoming at the Whitney Canyon Plant.

The Dept. of Environmental Quality - Water Quality Division requires monthly sampling of the treated wastewater for BOD, Total Suspended Solids and Fecal Coliform prior to injection. Sample results are then submitted to their office on a quarterly basis.

Approval for monitoring in such a manner is requested from your office. Amoco would develop a reporting format showing minimum, average and maximum values for each of the parameters listed above. The report would be submitted to your office by the 28th day of the month following the end of the quarter.

If you have any questions or comments on this proposal or the sampling program as it currently exists in the State of Wyoming, please contact Kathy Bauman in this office at 789-1700 ext. 2354.

Truly yours,

T. G. Doss

KAB/vje

DOUBLE "D" ENTERPRISES, INC.

P.O. Box 560
Shoshoni, Wyoming 82649
307-876-2308

DELIVERY TICKET

N^o 4095

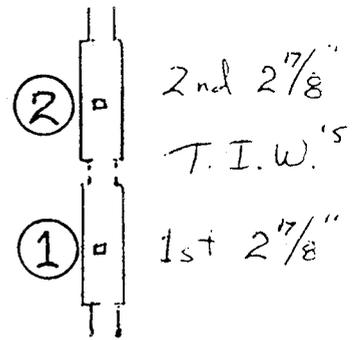
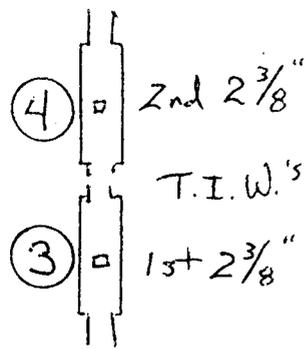
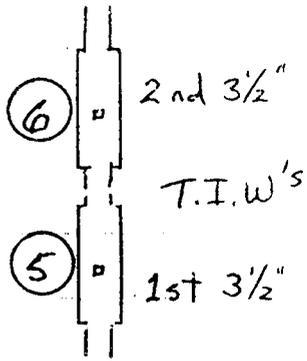
Date 1-10-86
 Operator Amoco Contractor Cannon Rig No. #9
 Ordered By Art McLean Lease Island Ranch Well No. C-1
 County Lincoln ~~Summitt~~ Section _____ Township _____ Range _____

Items Tested:

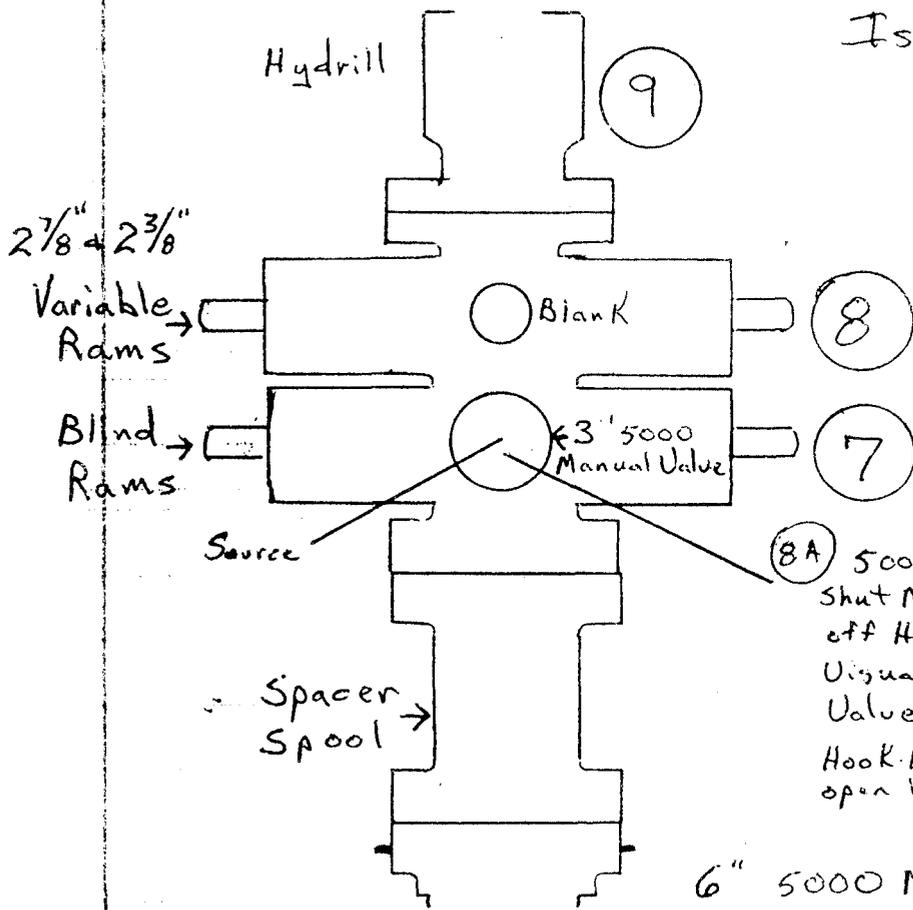
	Low Test	Time Held	High Test	Time Held	Comments
Top Pipe Rams	—	—	—	—	—
Bottom Pipe Rams	300	5 min.	5000	15 min.	O.K.
Blind Rams	300	5 min.	5000	15 min.	O.K.
Annular B.O.P.	300	5 min.	2500	15 min.	O.K.
Choke Manifold	—	—	—	—	—
A.O.A. Wing Valve	—	—	5000	15 min.	O.K.
Choke Line	—	—	—	—	—
Kill Line 3/2" T.I.W.	300	5 min.	5000	15 min.	O.K.
Super Choke 3/2" T.I.W.	300	5 min.	5000	15 min.	O.K.
Upper Kelly 2 7/8" T.I.W.	300	5 min.	5000	15 min.	O.K.
Lower Kelly 2 7/8" T.I.W.	300	5 min.	5000	15 min.	O.K.
Floor Valve 2 7/8" T.I.W.	300	5 min.	5000	15 min.	O.K.
Part Valve 2 7/8" T.I.W.	300	5 min.	5000	15 min.	O.K.

Closing Unit Psi 2600 Closing Time of Rams 3 sec. Closing Time of Hydril 6 sec.
 Closed Casing Head Valve — Set Wear Sleeve —

Comments: Grease & Tighten Packing on B.O.P. Wing Valve
Help Rig Nipple Down X-mas Tree, & N/u. Work-Over B.O.P.'s



Amoco
Island Ranch C-1
1-10-86



(8A) 5000 P.S.I. on Pipe Rams
Shut Man. Valve (Blad Pressure
off Hose & Take off) Get
Visual Check on B.O.P. Wing
Valve with 5000 P.S.I. - O.K. -
Hook-Hose Back-up & Pressure up.
open Valve (No pressure lost)

6" 5000 M
Cameron
Well Head

Utah
J

DOUBLE "D" ENTERPRISES

RECEIVED

B.O.P. Test Report

JAN 3 1986

DIVISION OF OIL
GAS & MINING

B.O.P. TEST PERFORMED ON (DATE)..... 1-10-86.....

OIL CC.: Amoco.....

WELL NAME & NUMBER..... Island Ranch C-1.....

SECTION.....

TOWNSHIP.....

RANGE.....

COUNTY..... Summit, Utah.....

DRILLING CONTRACTOR..... Cannon #9.....

INVOICES BILLED FROM: **DOUBLE "D" ENTERPRISES, INC.**
213 Pine Street - Box 560
Shoshoni, Wyoming 82649
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: **DOUBLE "D" ENTERPRISES, INC.**
Box 2097
Evanston, Wyoming 82930
Phone: (307) 789-9213 or (307) 789-9214

OIL CO. SITE REPRESENTATIVE..... Art McLean.....

RIG TOOL PUSHER.....

TESTED OUT OF..... Evanston, Wyoming.....

NOTIFIED PRIOR TO TEST:

COPIES OF THIS TEST REPORT SENT COPIES TO: Site Representative.....

Utah Oil & Gas

B.L.M.

ORIGINAL CHART & TEST REPORT ON FILE AT: Evanston.....OFFICE

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Water Injection Well</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p>
<p>2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY</p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>
<p>3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930</p>		<p>7. UNIT AGREEMENT NAME Anschutz Ranch East</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NWSE Sec. 26, 1324' FSL & 1722' FEL</p>		<p>8. FARM OR LEASE NAME Island Ranching "C"</p>
<p>14. PERMIT NO. 43-043-30179</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 7493' GR</p>	<p>9. WELL NO. #1</p>
		<p>10. FIELD AND POOL, OR WILDCAT Anschutz Ranch</p>
		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T4N, R7E</p>
		<p>12. COUNTY OR PARISH 13. STATE Summit Utah</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"/>	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"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Pressure testing Csg tbg annulus</u>	

(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 Island Ranching "C" #1 salt water disposal well was pressure tested (casing-tubing annulus) to a pressure of 1500 psi for 15 minutes after a workover was performed to upsize the injection tubing. The test date was 1-17-86. The testing procedure was as follows:

- 1) Packer fluid was circulated into the annular area
- 2) The packer was set
- 3) Pressure (1500 psi) was applied to the annular space for a period of 15 minutes with no loss of pressure.

RECEIVED

JUN 30 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED D. R. Adams TITLE District Drilling Supervisor DATE 6-27-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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

SUBMIT IN TRIPLICATE*
(Instructions on reverse side)

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.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Disposal Well		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Amoco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 800; Rm 1846; Denver, CO 80201		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1326' FSL, 1712' FEL		8. FARM OR LEASE NAME Island Ranching
14. PERMIT NO. 43-043-30139	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 7507' GR	9. WELL NO. C #1
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch - Nugget
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.) Amoco Production Company acidized the subject well using the following procedure: 1. Acidized perfs from 9550' - 9716' w/3301 gals 15% HCL. 2. Displaced w/4444 gals produced water. 3. RTI. Workover complete 08/03/90 with 2500 BWIPD @ 500 psi. If you require any additional information, please contact Valerie Miller @ (303) 830-5108.		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 26, T4N-R7E
18. I hereby certify that the foregoing is true and correct		12. COUNTY OR PARISH 13. STATE Summit Utah

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL 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"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

RECEIVED
JAN 31 1991

DIVISION OF
OIL, GAS, AND MINING

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

SIGNED J. L. Hampton TITLE Sr. Staff Admin. Supv. DATE 01/29/91
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY: _____

Utah Division of Oil, Gas, and Mining
Casing - ~~Bradentonhead Test~~

Pressure Test

Operator: AMOCO ROCKMOUNT COMPANY Field/Unit:
Well: ISLAND RANCHING #~~C-1~~ Township: 04N Range: 07E Sect: 26
API: 43-043-30139 Welltype: INJD Max Pressure: 3000
Lease type: FEE Surface Owner: FEE
Test Date: *5/22/91*

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
Surface:	103/4	1520		
Intermediate:	7 5/8	9072		} Pumped 8 bbls of diesel to fill hole, pressured casing to 1500 psi held for 15 min.
Production:	5	9807		
Other:		0		
Tubing:	2 7/8			
Packer:		9440		

Recommendations:

Passed m.i.T. OK.

INJECTION WELL - PRESSURE TEST

Well Name: <u>ISLAND RANCHING C-1</u>	API Number: <u>43-043-30139</u>		
Qtr/Qtr: <u>SW SE</u>	Section: <u>26</u>	Township: <u>4 N</u>	Range: <u>7 E</u>
Company Name: <u>AMOCO PRODUCTION COMPANY</u>			
Lease: State _____	Fee <input checked="" type="checkbox"/>	Federal _____	Indian _____
Inspector: <u>M. HEBERTSON</u>	Date: <u>27-SEPTEMBER-2001</u>		

Initial Conditions:

Tubing - Rate: 11,000/DAY Pressure: 1450 psiCasing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1,000</u>	<u>1450</u>
5	<u>1,000</u>	<u>1450</u>
10	<u>1,000</u>	<u>1450</u>
15	<u>1,000</u>	<u>1450</u>
20	<u>1,000</u>	<u>1450</u>
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1450 psiCasing/Tubing Annulus Pressure: 0/1450 psi

COMMENTS: 2 EXTRA PUMPS STARTED INJECTING 5 MINUTES
INTO TEST. 2 OF 5 INJECTION PUMPS SHUT DOWN
AT END OF TEST, ANNULUS PRESSURE FELL ABOUT
10 POUNDS.

Stacey D. Spill
 Operator Representative

STATE OF UTAH
 Division of Oil, Gas and Mining
 355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>4/10/96</u>	Well Owner/Operator: <u>Amoco</u>
Disposal Well: <input checked="" type="checkbox"/>	Enhanced Recovery Well: _____ Other: _____
API No.: <u>43-043-30139</u>	Well Name/Number: <u>Island Ranch C-1</u>
Section: <u>26</u>	Township: <u>4 North</u> Range: <u>7 East</u>

Initial Conditions: N 80 4 1/2 Burst
 Tubing - Rate: _____ Pressure: 9020 psi
 Casing/Tubing Annulus - Pressure: 50 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1550</u>	<u>static</u>
5	<u>1550</u>	_____
10	<u>1550</u>	_____
15	<u>1550</u>	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: static psi
 Casing/Tubing Annulus Pressure: 40 psi

REMARKS:

1500 # @ 15 minutes is the standard. Start pressuring up @ 9:25 AM. Test over @ 9:46 AM.

Kerry Caldwell
 Operator Representative

Chris Kierst
 DOGM Witness

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

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Disposal Well</p> <p>2. NAME OF OPERATOR Amoco Production Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 800, Rm. 1870, Denver, CO 80201</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 4 2 1320' FSL, 17 1/2' FEL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Island Ranching</p> <p>9. WELL NO. C #1</p> <p>10. FIELD AND POOL, OR WILDCAT Anschutz Ranch - Nugget</p> <p>11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA SEc. 26, T4N-R7E</p>
<p>14. PERMIT NO. 43-043-30139</p>	<p>15. ELEVATIONS (Show whether SP, RT, GR, etc.) 7507' GR</p>	<p>12. COUNTY OR PARISH Summit</p> <p>13. STATE Utah</p>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/> Change of injection rate</p>	<p>FULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>	<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>

(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.)*

Amoco Production Company requests authorization to change the permitted injection rate on the subject well from 7200 BWPd and 3000 psi to a pressure limit of 3000 psi. This proposal was discussed with Gil Hunt, Utah Underground Injection Control Program Manager, on April 12, 1991. Additional information, including a step rate test, a lithologic description of the strata between the injection zone and fresh water aquifer, a discussion of injection fluid confinement, and a map of gas wells in the area, is attached.

If you require additional information, please contact Rick Ross at (303) 830-4952.

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

DATE: 6-16-91
BY: [Signature]

RECEIVED

JUN 03 1991

DIVISION OF
OIL GAS & MINING

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

SIGNED David D. Hawkins for N. Stanesco TITLE Sr. Staff Admin. Supvr. DATE 5/29/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Confinement of Injection Fluid
When Injection Above Parting Pressure
Island Ranching C #1

In reference to Rule I-5-b-4-ii:

Maximum Surface Injection Pressure:	3000 psig
Expected Injection Rate at Maximum Injection Pressure:	8400 BWPD

Based on the attached step rate test, the formation parting pressure is 5250 psia. At the requested surface injection pressure of 3000 psia, the bottomhole pressure will be 5800 psia, or 550 psi above parting pressure. We do not believe that the fracture will propagate up into the fresh water bearing Kelvin formation for the following reasons:

1. Since the Nugget is a massive sandstone (1100' thick) with a relatively low fracturing gradient (0.55 psi/ft), the fracture will tend to propagate in the Nugget sandstone first.
2. The requested maximum injection pressure of 3000 psi results in a limited net fracturing pressure of 550 psi above parting pressure. The low net fracturing pressure also limits the potential for fracture height growth.
3. Approximately 3644' (thickness not corrected to TVD) of varied lithology will act as a barrier to fracture growth. As included in the lithologic description, the intervening strata have numerous shale breaks. The shale will act as a barrier since shale typically has higher in situ stresses, resulting a higher fracture pressure. The intervening strata also include a 954' salt section that will act as a barrier to fracture propagation.

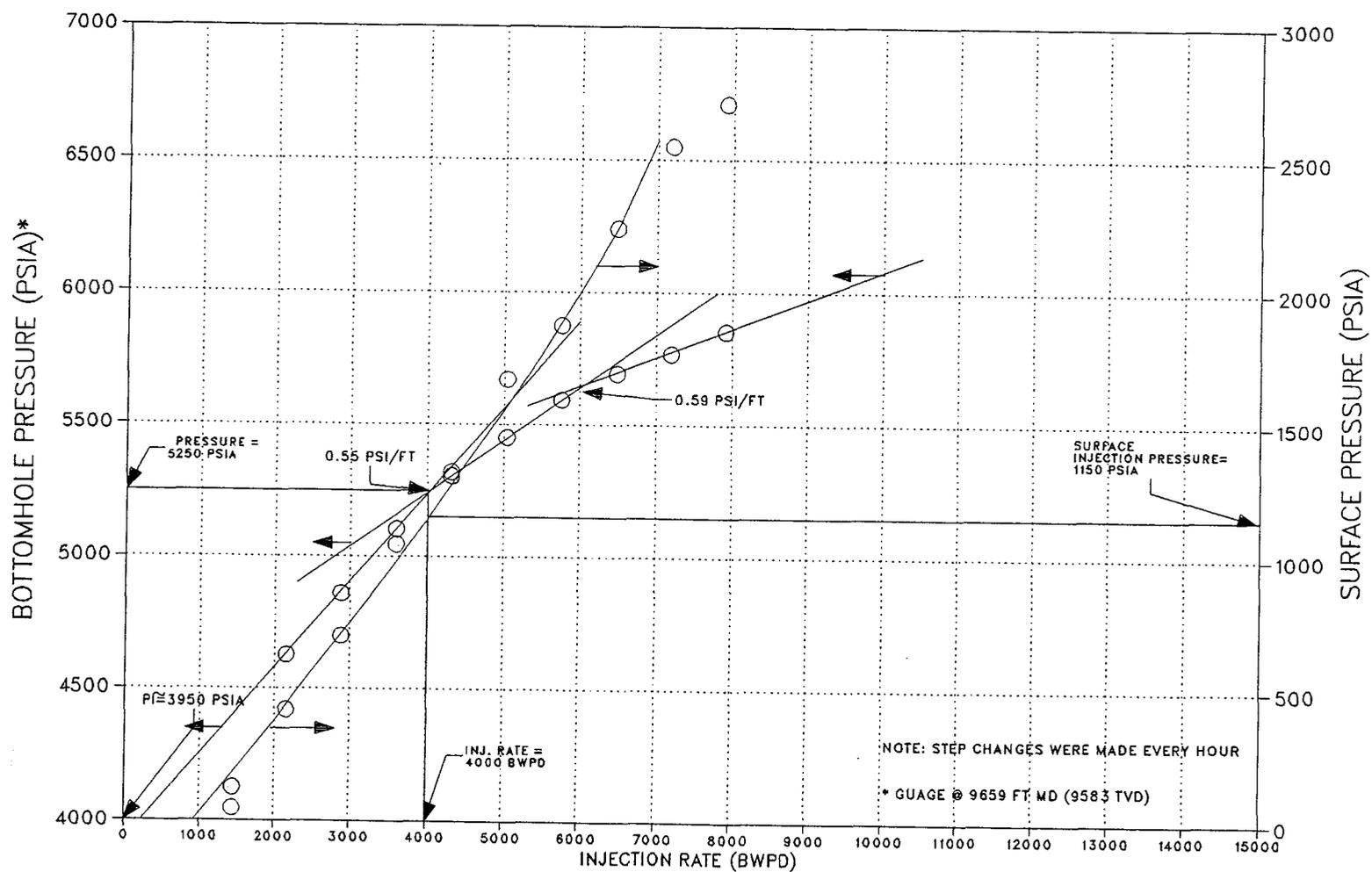
Amoco Production Company
 Island Ranching #C-1
1326' FSL X 1712' FEL Section 26-4N-7E, Summit Co., UT

Sub-Cretaceous Tops, Lithologies and Isopachs

This forelimb well has 40-50 degree East-Southeast dip in the Twin Creek with a major thrust fault likely being associated with the thick salt. Formations are thicker in this well Relative to the Anschutz 34-2 because of the more oblique angle of penetration.

	<i>Cretaceous - Kelvin</i>
5906'	----- <i>Jurassic PRUESS</i> -coherent red siltstone, with minor sandstone and shale (466').
6372'	----- Salt (954'), Upper and lower 50' shaly. Major thrust fault.
7326'	----- Shale (94').
7420'	----- <i>Jurassic TWIN CREEK</i> Formation (2130')
	(<i>GIRAFFE CREEK</i> and part of <i>LEEDS CREEK</i> members) - coherent silty, sandy carbonate with few minor shale breaks (570').
7990'	----- (Remainder of <i>LEEDS CREEK</i> member) -vertically variable lime-stone, sandstone and shale, with several shale breaks as much as 30' thick (438').
8428'	----- (<i>WATTON CANYON</i> member) - shaly limestone with small (several-to ten-foot-thick) shale breaks, becoming cleaner and more homogeneous downward (428').
8856'	----- (<i>BOUNDARY RIDGE</i> member) - shale and siltstone with thin (<10' thick) limestones (110').
8966'	----- (<i>RICH</i> member) - consistent argillaceous limestone with no major shale breaks, bottom 100' becomes shalier (368').
9334'	----- (<i>SLIDE ROCK</i> member) - tight limestone with a several-foot and a ten-foot thick shale breaks (108').
9442'	----- (<i>GYPSUM SPRINGS</i> member) - several anhydrite beds (maximum 14' thick) interbedded with shale, siltstone and limestone (108')
9550'	----- <i>Jurassic NUGGET SANDSTONE</i>

ISLAND RANCHING "C" NO. 1 (ARE SWD WELL NO.2) STEP RATE TEST* (1/31/91)

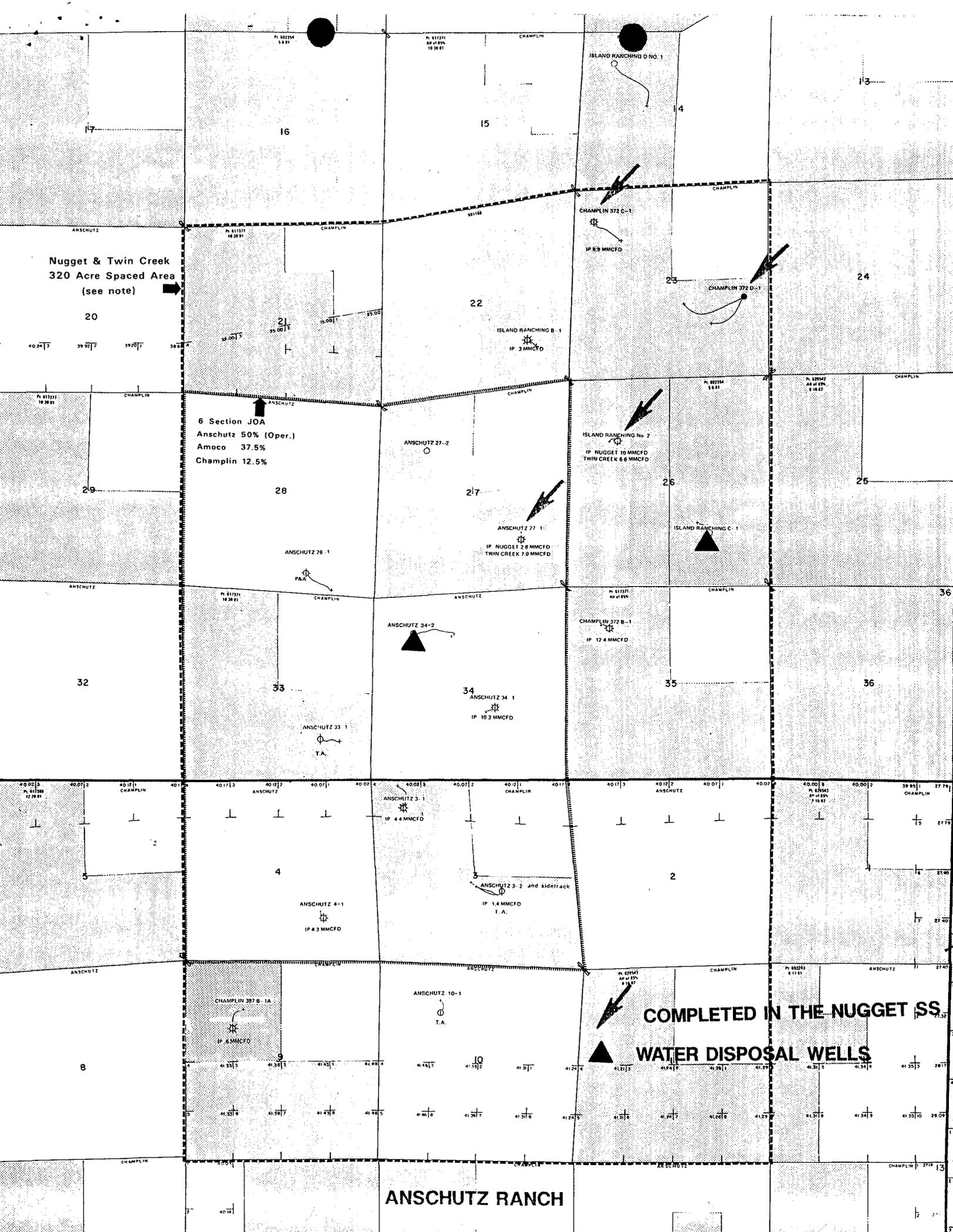


Nugget & Twin Creek
320 Acre Spaced Area
(see note)

6 Section JOA
Anschutz 50% (Oper.)
Amoco 37.5%
Champlin 12.5%

COMPLETED IN THE NUGGET SS
WATER DISPOSAL WELLS

ANSCHUTZ RANCH





AMOCO

**Exploration and Production Sector
Northwestern U.S. Business Unit**

Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201-0800
303-830-4884
Kris A. Lee, Business Assistant

November 1, 1996

Utah Division of Oil, Gas & Mining
P O Box 145801
Salt Lake City, UT 84114-5801

Corrected Sundry Notice

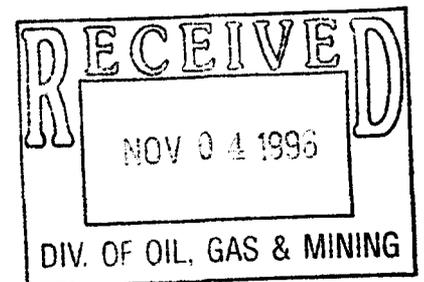
Amoco Production Company submitted an incorrect sundry for the Island Ranching #2 well in June of 1996. The correct well should be Island Ranching "C" #1. The correct sundry is attached.

Please call Kris Lee @ (303) 830-4884.

Sincerely,

A handwritten signature in cursive script that reads "Kris Lee".

Kris Lee
Business Assistant



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:
FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:
Island Ranching C#1

9. API Well Number:
43-043-30139

10. Field and Pool, or Wildcat:
Anschutz Ranch

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.

1. Type of Well: OIL GAS OTHER:

2. Name of Operator: Amoco Production Company

3. Address and Telephone Number: P.O. Box 800, Room 1720E Denver, CO 80201

4. Location of Well
 Footages: NW/4 1324' FSL x 1722' FEL
 CO, Sec., T., R., M.:

County: Summit
State: Utah

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

NOTICE OF INTENT
(Submit in Duplicate)

Abandonment
 Casing Repair
 Change of Plans
 Conversion to Injection
 Fracture Treat
 Multiple Completion
 Other _____

New Construction
 Pull or Alter Casing
 Recompletion
 Shoot or Acidize
 Vent or Flare
 Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

Abandonment *
 Casing Repair
 Change of Plans
 Conversion to Injection
 Fracture Treat
 Other _____

New Construction
 Pull or Alter Casing
 Shoot or Acidize
 Vent or Flare
 Water Shut-Off

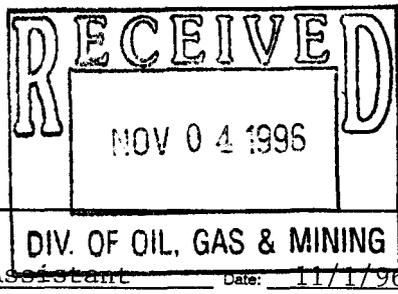
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION 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.)

Amoco Production Company pulled the 3 1/2" tubing out of the subject well and replaced it with a larger size of 4 1/2" to increase the disposal rate of water.

If you require additional information, please contact Felicia Yuen at (303) 830-4859 or Kris Lee at (303) 830-4884.



13. Name & Signature: Kristina A. Lee Kristina A. Lee Title: Business Assistant Date: 11/1/96

(This space for State use only)

WO tax credit review - 6/97

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Disposal</u>		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: Amoco Production Company		8. WELL NAME and NUMBER: Island Ranching C-1
3. ADDRESS OF OPERATOR: 1013 Cheyenne Dr.-A CITY Evanston STATE WY ZIP 82930		9. API NUMBER: 4304330139
		10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1324' FSL, 1722' FEL		COUNTY: Summit
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 26 4N 7E		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 (Submit in Duplicate) Approximate date work will start: 	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/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"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>MIT</u>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/27/2001			

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

Please find attached the chart and the Certification of Calibration for the MIT conducted on 9/27/2001 for this well. Mr. K. Michael Hebertson of the State of Utah-Division of Oil, Gas and Mining witnessed the MIT.

If you have any questions, call me at (307)783-2157.

RECEIVED
OCT 02 2001
DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>Michael Villanova</u>	TITLE <u>Environmental Coordinator</u>
SIGNATURE <u>Michael Villanova</u>	DATE <u>9/28/01</u>

(This space for State use only)



222 N. COLE CREEK RD.
 BOX 581
 CASPER, WY 82601 (307) 234-1672
 800-442-2465 FAX (307) 234-0009

SCOTT Equipment Co. - Oil & Gas Equipment

Certification of Calibration

Client: Double Jack
 SEC SO#: 45538
 Date of Calibration: 5-29-01

Instrument Specifications

Make: Barton 265A
 Serial #: 2372
 Differential Range:
 Static Range:
 Temperature Range: -20-130 Degrees (F)

AS FOUND TEST			AS LEFT TEST	
Test Value	As Found	% Error As Found	Test Value	As Left
66.00	67.00	0.66	65.50	65.50
127.70	129.00	1.30	127.50	127.30
-0.10	1.00	0.73	2.30	2.00
64.40	65.40	0.66	64.80	65.00
127.50	129.00	1.00	127.40	127.20

Certified Calibration Equipment

Differential Static Temperature

Equipment: Electrotherm
 Range: -40 to 300F
 Serial No.: 383238
 Accuracy: 1/4 %

Remarks:

Tested By: Jeff Jette



222 N. COLE CREEK RD.
 BOX 581
 CASPER, WY 82601 (307) 234-1672
 800-442-2465 FAX (307) 234-0009

SCOTT Equipment Co. - Oil & Gas Equipment

Certification of Calibration

Client: Double Jack
 SEC SO#: 45538
 Date of Calibration: 5-29-01

Instrument Specifications

Make: Barton 265A
 Serial #: 2372
 Differential Range:
 Static Range: 0-3000#
 Temperature Range:

AS FOUND TEST			AS LEFT TEST	
Test Value	As Found	% Error As Found	Test Value	As Left
0.00	-200.00	-6.66	0.00	0.00
600.00	400.00	6.66	600.00	600.00
1200.00	1000.00	6.66	1200.00	1200.00
1800.00	1600.00	6.66	1800.00	1800.00
2400.00	2200.00	6.66	2400.00	2400.00
3000.00	2800.00	6.66	3000.00	3000.00
2700.00	2500.00	6.66	2700.00	2700.00
2100.00	1900.00	6.66	2100.00	2100.00
1500.00	1300.00	6.66	1500.00	1500.00
900.00	800.00	3.33	900.00	900.00
300.00	100.00	6.66	300.00	300.00
0.00	-200.00	-6.66	0.00	0.00

Certified Calibration Equipment

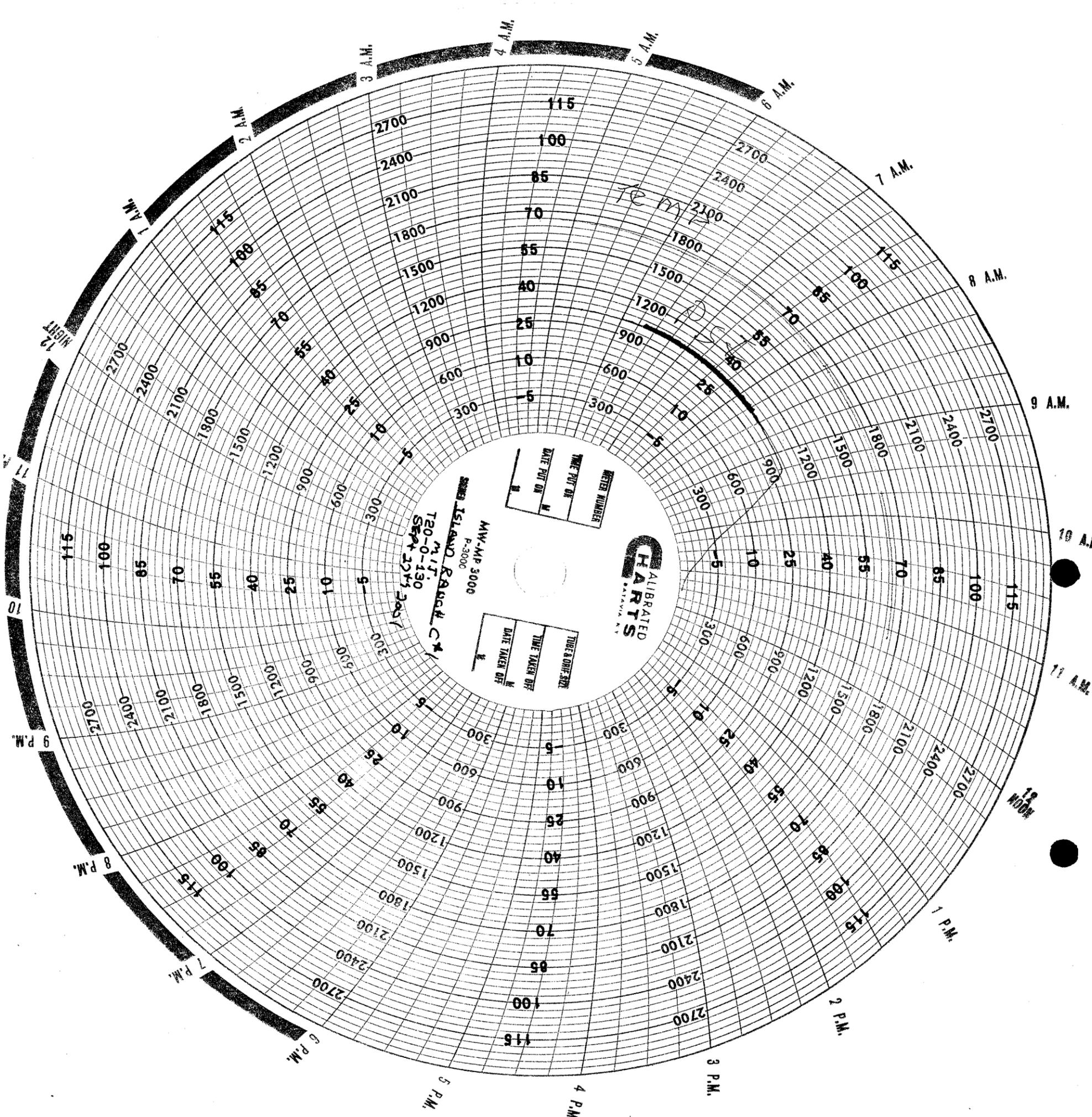
Differential Static Temperature

Equipment: 3D Gauge
 Range: 0-3000#
 Serial No.: 120176
 Accuracy: 1/4%

Enerpak P80

Remarks: Set pen arc and made span adjustment.

Tested By: Jeff Jette



4 A.M.

5 A.M.

6 A.M.

7 A.M.

8 A.M.

9 A.M.

10 A.M.

11 A.M.

NOON

1 P.M.

2 P.M.

3 P.M.

4 P.M.

5 P.M.

6 P.M.

7 P.M.

8 P.M.

9 P.M.

10

11

12 NIGHT

1 A.M.

2 A.M.

3 A.M.

ENTER NUMBER	
TIME PUT ON	
DATE PUT ON	
TIME & DIR. SENS.	
TIME TAKEN OFF	
DATE TAKEN OFF	

SEAS ISLAND RANGH C 1
M.I.T.
720-0-130
SEPT 29th 2007

MM-MP 3006
P-3000

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 ISLAND RANCHING C-1	API Number 043-30139
Location of Well Footage : 1324 S 1722 E County : SUMMIT QQ, Section, Township, Range: SWSE 26 4N 7E State : UTAH	Field or Unit Name Anshcutz Ranch Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: 12/31/2001

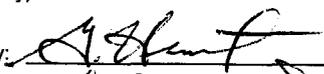
CURRENT OPERATOR

Company: AMOCO PRODUCTION COMPANY Name: ALAN WOOD
Address: 501 WESTLAKE PARK BLVD Signature: 
city HOUSTON state TX zip 77079 Title: REGULATORY ENGINEER
Phone: (282) 366-5328 Date: 12/6/2001
Comments: NAME CHANGE FROM AMOCO PRODUCTION COMPANY TO BP AMERICA PRODUCTION COMPANY

NEW OPERATOR

Company: BP AMERICA PRODUCTION COMPANY Name: ALAN WOOD
Address: 501 WESTLAKE PARK BLVD Signature: 
city HOUSTON state TX zip 77079 Title: REGULATORY ENGINEER
Phone: (281) 366-5328 Date: 12/6/2001
Comments: NAME CHANGE FROM AMOCO PRODUCTION COMPANY TO BP AMERICA PRODUCTION COMPANY

(This space for State use only)

Transfer approved by: 
Title: Tech Services Manager

Approval Date: 12-06-01

Comments:

RECEIVED

DEC 13 2001

DIVISION OF
OIL, GAS AND MINING

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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Amoco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 501 Westlake Park Blvd, <small>CITY</small> Houston <small>STATE</small> TX <small>ZIP</small> 77079		7. UNIT or CA AGREEMENT NAME: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See Attached</u> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: See Attached
		9. API NUMBER: Attached
		10. FIELD AND POOL, OR WILDCAT: See Attached
		COUNTY: <u>See Attached</u>
		STATE: <u>UTAH</u>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> 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 FLARE
	<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/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<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.
 Amoco Production Company proposes to change its name to BP America Production Company, effective December 31, 2001. Mailing addresses and designated agents shall remain the same.

Attached to this sundry is a listing of wells currently operated by Amoco Production Company. This list includes all wells with the exception of those wells which have a plugged or D&A status.

Also attached for the Board's file is a copy of the Board Resolution approving the name change.

NAME (PLEASE PRINT) <u>Alan Wood</u>	TITLE <u>Regulatory Engineer</u>
SIGNATURE	DATE <u>12/11/2001</u>

(This space for State use only)

RECEIVED

 DEC 13 2001

 DIVISION OF
 OIL, GAS AND MINING

UNITED STATES OF AMERICA
STATE OF TEXAS
COUNTY OF HARRIS
CITY OF HOUSTON

§
§
§
§

CERTIFICATE

M. S. Haskins, of lawful age, first being duly sworn on oath, deposes and says:

1. That she is the duly elected, qualified and acting Assistant Secretary of Amoco Production Company, a corporation organized and existing under the laws of the State of Delaware, U.S.A.;

2. That on November 12, 2001, by consent action of the Board of Directors of Amoco Production Company (hereinafter referred to as "Company"), the following resolutions were adopted:

WHEREAS, in connection with BP America Inc.'s ("BP") integration of Atlantic Richfield Company ("ARCO") and Vastar Resources, Inc. ("Vastar"), BP has elected to reorganize, consolidate and merge its upstream onshore Lower 48 assets into a single legal entity to align BP's legal structure with its business organization and to improve operating efficiencies; and

WHEREAS, BP desires Amoco Production Company ("Company") to be such single legal entity for the purposes of such reorganization, consolidation and merger; and

WHEREAS such reorganization, consolidation and merger shall be accomplished by December 31, 2001 pursuant to a Reorganization Agreement ("Agreement") by and between ARCO and BP Company North America Inc. ("BP Company NA"), the parent of Company, resulting in ARCO's upstream onshore Lower 48 assets being transferred to Company and Vastar being merged into Company; and

WHEREAS, pursuant to such Agreement, asset, stock and liability transfers will occur in consideration for Class B common stock of BP Company NA and Company's agreement to assume all obligations and indemnify ARCO for all past and future liabilities relating to such transfers; and

WHEREAS, in connection with such reorganization, Company desires to change its name to BP America Production Company, effective December 31, 2001 with corporate seal as follows; and



WHEREAS all officers and directors of Company will remain unchanged.

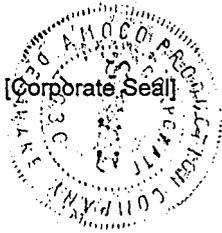
NOW, THEREFORE, BE IT,

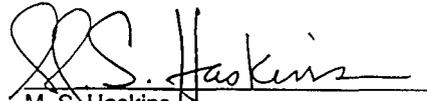
RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

FURTHER RESOLVED, Company will change its name and corporate seal to BP America Production Company, effective December 31, 2001 and all officers and directors will remain unchanged.

3. That the aforesaid resolutions have not been amended, rescinded, or annulled, but remain in full force and effect on the date hereof.

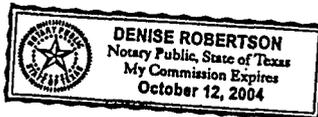
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.

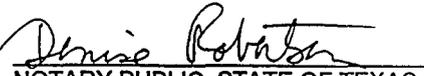



M. S. Haskins

SUBSCRIBED and sworn to before me this 13 day of November, 2001.

(Notary Seal)




NOTARY PUBLIC, STATE OF TEXAS

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	Sec	Twp-Rng
43-043-30096-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W16-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	16	4N-8E
43-043-30106-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST 34-2	SWD	Active Well	ANSCHUTZ RANCH EAST	34	4N-7E
43-043-30123-00-00	AMOCO PRODUCTION CO	ARE W20-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30129-00-00	AMOCO PRODUCTION CO	ARE 29-04ST1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30130-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST E21-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	21	4N-8E
43-043-30135-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W21-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	21	4N-8E
43-043-30136-00-00	AMOCO PRODUCTION CO	ARE W29-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30138-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W16-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	16	4N-8E
43-043-30139-00-00	AMOCO PRODUCTION CO	ISLAND RANCHING C-1	SWD	Active Well	ANSCHUTZ RANCH EAST	26	4N-7E
43-043-30143-00-00	AMOCO PRODUCTION CO	CHAMPLIN 372 AMOCO C 1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	23	4N-7E
43-043-30145-00-00	AMOCO PRODUCTION CO	ARE W20-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30148-00-00	AMOCO PRODUCTION CO	ARE W20-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30154-00-00	AMOCO PRODUCTION CO	ARE W29-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30156-00-00	AMOCO PRODUCTION CO	ARE W30-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30157-00-00	AMOCO PRODUCTION CO	ARE W36-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	36	4N-7E
43-043-30159-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W20-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30161-00-00	AMOCO PRODUCTION CO	ISLAND RANCHING D-1	Gas Well	Shut_In	WEBER FORMATION	14	4N-7E
43-043-30162-00-00	AMOCO PRODUCTION CO	ARE W32-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	32	4N-8E
43-043-30164-00-00	AMOCO PRODUCTION CO	ARE W31-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30165-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W31-04 E	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30167-00-00	AMOCO PRODUCTION CO	ARE W36-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	36	4N-7E
43-043-30168-00-00	AMOCO PRODUCTION CO	CHAMPLIN 387 B1A	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	9	3N-7E
43-043-30170-00-00	AMOCO PRODUCTION CO	CHAMPLIN 372 D-1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	23	4N-7E
43-043-30176-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W17-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	17	4N-8E
43-043-30183-00-00	AMOCO PRODUCTION CO	ARE W30-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30185-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W30-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30188-00-00	AMOCO PRODUCTION CO	ARE W01-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	1	3N-7E
43-043-30190-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W31-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30204-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W19-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	19	4N-8E
43-043-30209-00-00	AMOCO PRODUCTION CO	ARE W1-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	1	3N-7E
43-043-30215-00-00	AMOCO PRODUCTION CO	ARE W30-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30216-00-00	AMOCO PRODUCTION CO	ARE W30-15	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30217-00-00	AMOCO PRODUCTION CO	ARE W31-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30218-00-00	AMOCO PRODUCTION CO	ARE W30-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached</u>		7. UNIT or CA AGREEMENT NAME: <u>See Attached</u>
2. NAME OF OPERATOR: <u>BP America Production Company</u>		8. WELL NAME and NUMBER: <u>See Attached</u>
3. ADDRESS OF OPERATOR: <u>501 WestLake Park Blv</u> CITY: <u>Houston</u> STATE: <u>TX</u> ZIP: <u>77079</u>		9. API NUMBER: <u>Attached</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See Attached</u>		10. FIELD AND POOL, OR WILDCAT: <u>See Attached</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: <u>See Attached</u>
		STATE: <u>UTAH</u>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" 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 FLARE
	<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/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<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.

BP America Production Company, effective May 1, 2003, has transferred its interest in the attached list of properties to :

Merit Energy Company
13727 Noel Road, Suite 500
Dallas, TX 75240

Transfer of operations is effective July 1, 2003.

By Merit Energy Company

Name Fred N. Digm Title V.P.

Signature [Signature] Date 7/1/03

BP America Production Company
NAME (PLEASE PRINT) David G. Peterson TITLE Attorney-In-Fact

SIGNATURE [Signature] DATE 6/26/03

BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Location (Twp-Rng)	Section	Qtr/Qtr	Ft. NS	NS	Ft. EW	EW
43-043-30096-00-00	BP AMERICA PRODUCTION CO	ARE W16-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	NWSW	2137	S	686	W
43-043-30106-00-00	BP AMERICA PRODUCTION CO	ARE 34-2	Water Disposal	Active Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	34	NWNW	1036	N	1100	W
43-043-30123-00-00	BP AMERICA PRODUCTION CO	ARE W20-08	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SENE	2202	N	1592	E
43-043-30129-00-00	BP AMERICA PRODUCTION CO	ARE 29-04ST1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWNW	627	N	435	W
43-043-30130-00-00	BP AMERICA PRODUCTION CO	ARE E21-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	21	NWSW	2365	S	200	W
43-043-30135-00-00	BP AMERICA PRODUCTION CO	ARE W21-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	21	NWNW	1063	N	401	W
43-043-30136-00-00	BP AMERICA PRODUCTION CO	ARE W29-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWNE	662	N	2460	E
43-043-30138-00-00	BP AMERICA PRODUCTION CO	ARE W16-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	SENE	1314	N	618	E
43-043-30139-00-00	BP AMERICA PRODUCTION CO	ISLAND RANCHING C-1	Water Disposal	Active Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	26	SWSE	1324	S	1722	E
43-043-30143-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 372 AMOCO C 1	Gas Well	Shut_In	ANSCHUTZ RANCH	SUMMIT	4N-7E	23	NWNW	860	N	536	W
43-043-30145-00-00	BP AMERICA PRODUCTION CO	ARE W20-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWSW	1518	S	1283	W
43-043-30148-00-00	BP AMERICA PRODUCTION CO	ARE W20-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SWSE	257	S	1640	E
43-043-30154-00-00	BP AMERICA PRODUCTION CO	ARE W29-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWSW	2204	S	22	W
43-043-30156-00-00	BP AMERICA PRODUCTION CO	ARE W30-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NESE	1345	S	968	E
43-043-30157-00-00	BP AMERICA PRODUCTION CO	ARE W36-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SESE	890	S	447	E
43-043-30159-00-00	BP AMERICA PRODUCTION CO	ARE W20-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNW	1291	N	936	W
43-043-30162-00-00	BP AMERICA PRODUCTION CO	ARE W32-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	32	NWNW	642	N	791	W
43-043-30164-00-00	BP AMERICA PRODUCTION CO	ARE W31-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	NWNE	468	N	2201	E
43-043-30165-00-00	BP AMERICA PRODUCTION CO	ARE W31-04E	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	NWNW	111	N	737	W
43-043-30167-00-00	BP AMERICA PRODUCTION CO	ARE W36-08	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SENE	1641	N	1183	E
43-043-30168-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 387 B1A	Gas Well	Shut_In	ANSCHUTZ RANCH	SUMMIT	3N-7E	9	SWNW	1837	N	1286	W
43-043-30170-00-00	BP AMERICA PRODUCTION CO	CHAMPLIN 372 D-1	Gas Well	Producing Well	ANSCHUTZ RANCH	SUMMIT	4N-7E	23	NESE	2170	S	680	E
43-043-30176-00-00	BP AMERICA PRODUCTION CO	ARE W17-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	17	NWSE	1765	S	1444	E
43-043-30183-00-00	BP AMERICA PRODUCTION CO	ARE W30-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SENE	2109	N	665	E
43-043-30185-00-00	BP AMERICA PRODUCTION CO	ARE W30-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SESW	1195	S	1405	W
43-043-30188-00-00	BP AMERICA PRODUCTION CO	ARE W01-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	SENW	1777	N	1666	W
43-043-30190-00-00	BP AMERICA PRODUCTION CO	ARE W31-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	SWNW	1778	N	640	W
43-043-30204-00-00	BP AMERICA PRODUCTION CO	ARE W19-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	19	SWSE	1229	S	1350	E
43-043-30209-00-00	BP AMERICA PRODUCTION CO	ARE W01-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	NENW	386	N	2013	W
43-043-30215-00-00	BP AMERICA PRODUCTION CO	ARE W30-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWSE	2230	S	2432	E
43-043-30216-00-00	BP AMERICA PRODUCTION CO	ARE W30-15	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	SESW	626	S	2848	E
43-043-30217-00-00	BP AMERICA PRODUCTION CO	ARE W31-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31	SENW	1397	N	2181	W
43-043-30218-00-00	BP AMERICA PRODUCTION CO	ARE W30-02	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWNE	715	N	2182	E
43-043-30220-00-00	BP AMERICA PRODUCTION CO	ARE W20-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWSW	2531	S	7	W
43-043-30226-00-00	BP AMERICA PRODUCTION CO	ARE E28-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	28	SENW	1900	N	1652	W
43-043-30227-00-00	BP AMERICA PRODUCTION CO	ARE W36-10	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	NESW	2315	S	3185	E
43-043-30228-00-00	BP AMERICA PRODUCTION CO	ARE W20-02	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNE	319	N	2000	E
43-043-30229-00-00	BP AMERICA PRODUCTION CO	ARE W20-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	SENW	2560	N	2567	W
43-043-30231-00-00	BP AMERICA PRODUCTION CO	ARE W16-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	16	SWNW	2756	S	454	W
43-043-30238-00-00	BP AMERICA PRODUCTION CO	ARE W20-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20	NWNW	702	N	414	W
43-043-30248-00-00	BP AMERICA PRODUCTION CO	ARE W30-12A	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30	NWSW	1886	S	47	W
43-043-30250-00-00	BP AMERICA PRODUCTION CO	ARE W29-06A	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	SENW	1513	N	1548	W
43-043-30251-00-00	BP AMERICA PRODUCTION CO	ARE W29-14A	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	29	NWSW	1786	S	795	W
43-043-30255-00-00	BP AMERICA PRODUCTION CO	ARE W36-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	36	SESW	901	S	1780	W
43-043-30257-00-00	BP AMERICA PRODUCTION CO	ARE E28-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	28	NWSW	1994	S	806	W
43-043-30265-00-00	BP AMERICA PRODUCTION CO	ARE W2-10	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	2	NWSE	1959	S	1463	E
43-043-30270-00-00	BP AMERICA PRODUCTION CO	ARE W01-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	SWNW	697	N	465	W
43-043-30271-00-00	BP AMERICA PRODUCTION CO	ARE W01-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	1	NWSW	2072	S	1669	W
43-043-30272-00-00	BP AMERICA PRODUCTION CO	ARE W19-08	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	19	SENE	2227	N	301	E

BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

43-043-30273-00-00	BP AMERICA PRODUCTION CO	ARE W30-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	30 SENW	2393 S	1645 W
43-043-30277-00-00	BP AMERICA PRODUCTION CO	ARE W11-1	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	11 NENE	533 N	1486 E
43-043-30279-00-00	BP AMERICA PRODUCTION CO	ARE W30-13	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E	25 SESE	597 S	382 E
43-043-30280-00-00	BP AMERICA PRODUCTION CO	ARE W31-05	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	31 SWNW	2361 N	282 E
43-043-30283-00-00	BP AMERICA PRODUCTION CO	ARE W12-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E	2 SESE	373 S	865 E
43-043-30286-00-00	BP AMERICA PRODUCTION CO	ARE W20-09	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20 SENE	2360 N	430 E
43-043-30291-00-00	BP AMERICA PRODUCTION CO	ARE W20-03	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E	20 SESW	641 S	1810 W



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

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Lowell P. Braxton
Division Director

August 26, 2003

Bruce Williams
BP America Production Company
501 WestLake Park Blvd
Houston, TX 77079

Subject: Notification of Sale or Transfer of Fee Lease Interest

Dear Mr. Williams:

The Division has processed your request for an operator change from BP America Production Company to Merit Energy Company effective July 1, 2003 for the attached list of fee wells.

Utah Administrative Code Rule R649-2-10 states: "The owner of a lease shall provide notification to any person with an interest in such lease, when all or part of that interest in the lease is sold or transferred".

This letter is written to advise you of your responsibility to notify all individuals with an interest in these leases (royalty interest and working interest) of the changer. Please provide written documentation of this notification to:

Utah Royalty Owners Association
PO Box 1292
Roosevelt, Utah 84066

Your assistance in this matter is appreciated.

Sincerely,

Earlene Russell
Earlene Russell
Engineering Technician

Attachment

cc: Merit Energy Company
Utah Royalty Owners Association

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 ISLAND RANCHING C-1	API Number 043-30139
Location of Well Footage : 1324 S 1722 E County : SUMMIT	Field or Unit Name ANSCHUTZ RANCH
QQ, Section, Township, Range: SWSE 26 4N 7E State : UTAH	Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: 7/1/2003

CURRENT OPERATOR

Company: <u>BP AMERICA PRODUCTION COMPANY</u>	Name: <u>David G. Peterson</u>
Address: <u>501 WESTLAKE PARK BLVD</u>	Signature: <u><i>David G. Peterson</i></u>
city <u>HOUSTON</u> state <u>TX</u> zip <u>77079</u>	Title: <u>Attorney-In-Fact</u>
Phone: <u>(281) 366-2000</u>	Date: <u>6/26/03</u>
Comments: <u>CHANGE OF OWNERSHIP</u>	

NEW OPERATOR

Company: <u>MERIT ENERGY COMPANY</u>	Name: <u><i>Fred N. Dill</i></u>
Address: <u>13727 NOEL ROAD, SUITE 500</u>	Signature: <u><i>Fred N. Dill</i></u>
city <u>DALLAS</u> state <u>TX</u> zip <u>75240</u>	Title: <u>V.P.</u>
Phone: <u>(972) 701-8377</u>	Date: <u>7/1/03</u>
Comments:	

(This space for State use only)

Transfer approved by: *[Signature]*
Title: Public Services Manager

Approval Date: 8/18/03

Comments:

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: n/a

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: n/a

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: 8/18/2003

DATA ENTRY:

- 1. Changes entered in the **Oil and Gas Database** on: 8/26/2003
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/26/2003
- 3. Bond information entered in RBDMS on: 8/26/2003
- 4. Fee wells attached to bond in RBDMS on: 8/26/2003

STATE WELL(S) BOND VERIFICATION:

- 1. State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

- 1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

- 1. Indian well(s) covered by Bond Number: n/a

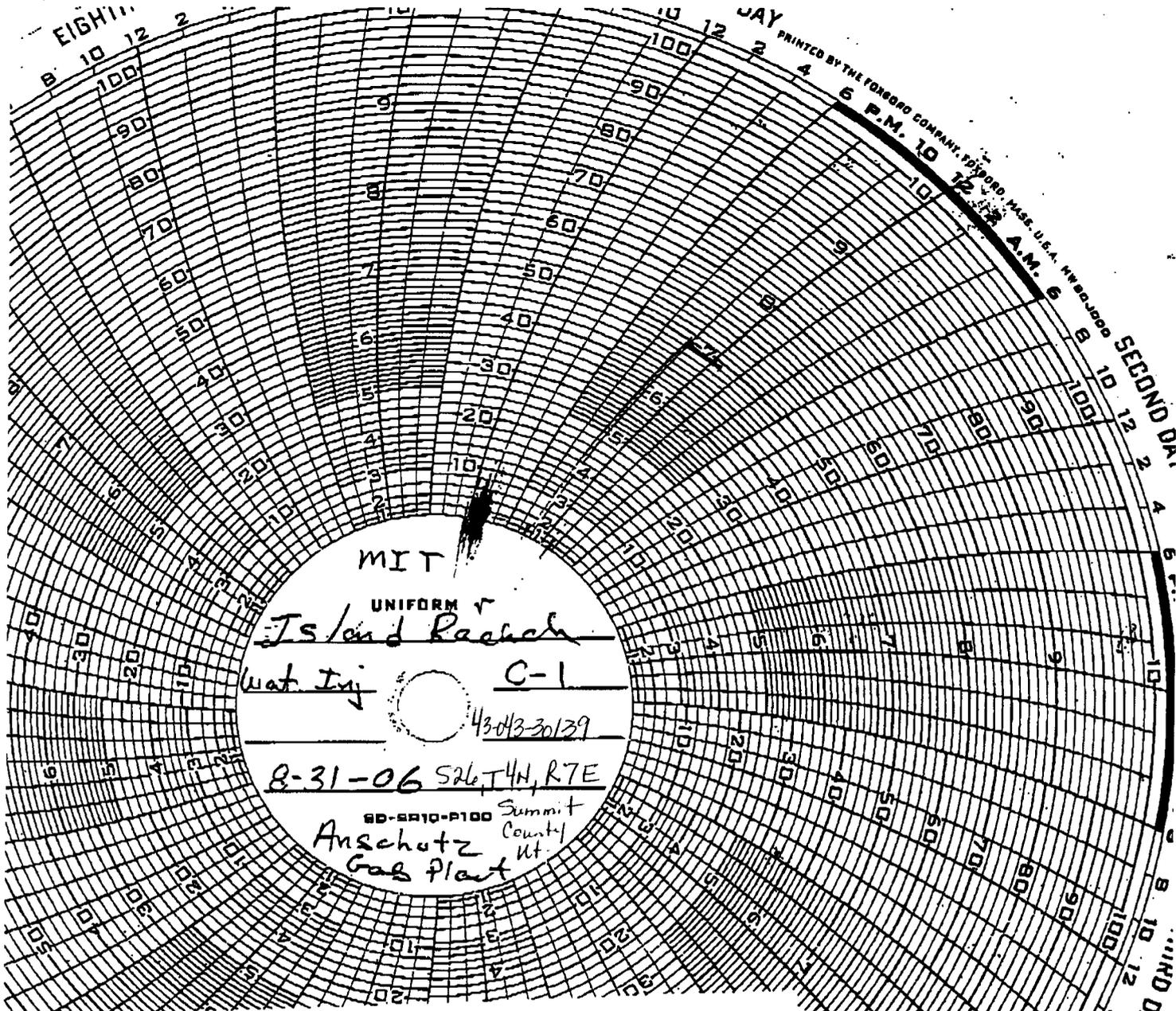
FEE WELL(S) BOND VERIFICATION:

- 1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 103912218
- 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: 8/26/2003

COMMENTS:



Note:
The Chart Recorder
Used 0-2000 PSI

Chart Used 0-100
50 = 1000 PSI 30min

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 9/1/06
By: Lisha Cordova

RECEIVED

AUG 31 2006

DIV. OF OIL, GAS & MINING



MERIT ENERGY COMPANY

ANSCHUTZ RANCH EAST
PO Box 2760
Evanston, WY 82931
20 Miles S on Yellowcreek Rd
Evanston, WY 82930
307-497-2400
307-497-2442 Fax

FACSIMILE TRANSMISSION

To: Lisha Cordova
Company Name: _____
Fax Number: _____

From: Med Wren
Phone: 307-497-2416 or 307-679-8010 cell #

Date: 8-31-06

#Pages (including cover page): 1 of 1

Additional Comments: None

RECEIVED
AUG 31 2006

TRANSACTION REPORT

P. 01

SEP-01-2006 FRI 11:13 AM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
SEP-01	11:11 AM	13074972442	1'31"	2	SEND	OK	495	
TOTAL :						1M 31S	PAGES:	2



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director

JOHN R. BAZA
Division Director

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE COVER SHEET

DATE: Sept. 1, 2006

FAX#: (307) 497-2442

ATTN: mel wren

COMPANY: Merit Energy Co.

NUMBER OF PAGES (INCLUDING THIS ONE): 2

FROM: Lisha Cordova

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.
We are sending from a sharp facsimile machine. Our telecopier number is (801) 359-3940.

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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Disposal</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: Merit Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 13727 Noel Road, Suite 500 CITY Dallas STATE TX ZIP 75240		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1721' FEL, 1323' FSL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 26 4N 7E		8. WELL NAME and NUMBER: Anschutz Ranch SWD 2 IR C-1
PHONE NUMBER: (972) 628-1658		9. API NUMBER: 4304330139
COUNTY: Summit		10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> 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 FLARE
	<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/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Water Disposal</u>
	<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.

Merit Energy Company requests permission to dispose of water from the Glasscock Hollow Field in Wyoming to the aforementioned disposal well, while the Millus WIU B 2 (API # 49-041-20576) well is being repaired. Approximate disposal volume is 2800 BWPd. Verbal approval was granted by Brad Hill in Utah and Mark Watson in Wyoming.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 03-09-09
By: [Signature]

COPY SENT TO OPERATOR
Date: 3.12.2009
Initials: KS

NAME (PLEASE PRINT) Michal Karam White TITLE North Division Regulatory Analyst
SIGNATURE [Signature] DATE 2/24/2009

(This space for State use only)

RECEIVED
MAR 02 2009



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 29, 2011

Joe Sevenski
Merit Energy Company
P. O. Box 2760
Evanston, Wyoming 82931

Subject: Pressure Test for Mechanical Integrity, IR C-1, SWSE Section 26, Township 4 North, Range 7 East, API No. 43-043-30139, Summit County, Utah

Dear Mr. Sevenski:

The Underground Injection Control Program, which the Division of Oil, Gas, and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five-year period beginning October 1982. Please make arrangements and ready the IR C-1 well for testing during the week of September 6-9, 2011, as outlined below:

1. Operator must furnish connections, accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves, etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, and the well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the well to be tested at this time the test may be rescheduled.
4. Company personnel should meet a DOGM representative(s) at the field office or other location as negotiated.
5. All bradenhead valves with the exception of the tubing on the injection well must be shut-in 24 hours prior to testing.

Please contact Lisha Cordova at (801) 538-5296 to arrange a meeting time and place or to negotiate a different date, if the date(s) specified is unacceptable.

Sincerely,

Dan Jarvis
Operations Manger

DJJ/lc/js

cc: Lisha Cordova, Petroleum Specialist
Well File

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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:
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: IR C-1	
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	9. API NUMBER: 43043301390000	
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	PHONE NUMBER: 972 628-1540 Ext	9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1324 FSL 1722 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 26 Township: 04.0N Range: 07.0E Meridian: S	COUNTY: SUMMIT	
		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 type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/9/2011	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<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"/> DRILLING REPORT Report Date:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<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="Well Update"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Merit Energy Company would like to submit the attached mechanical integrity test. 9/9/11 Pressure up annulus to 1000# and held it for 15 min (good test) & released pressure.		
		Accepted by the Utah Division of Oil, Gas and Mining
		Date: <u>09/14/2011</u>
		By: <u></u>
NAME (PLEASE PRINT) Kim Mercer	PHONE NUMBER 972 628-1023	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/13/2011	

INSPECTION FORM 6

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: ADEIR C-1 API Number: 43 043 30139
 Qtr/Qtr: S1WSE Section: 26 Township: 4N Range: 7E
 Company Name: Merit Energy Company (N4910)
 Lease: State _____ Fee Federal _____ Indian _____
 Inspector: Yisha Anderson Date: 9/9/11
X mt. states

Initial Conditions: *press with 1000# for 15 min*

Tubing - Rate: 3589 bpd Pressure: 300 psi

Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>300</u>
5	<u>1000</u>	<u>300</u>
10	<u>1000</u>	<u>300</u>
15	<u>1000</u>	<u>300</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 300 psi

Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: 11:10 AM prior to test, pressured up to 1000# for 15 min - held. Blew well "backside" down after test.
Checked.

Mark A. Wilson
Operator Representative

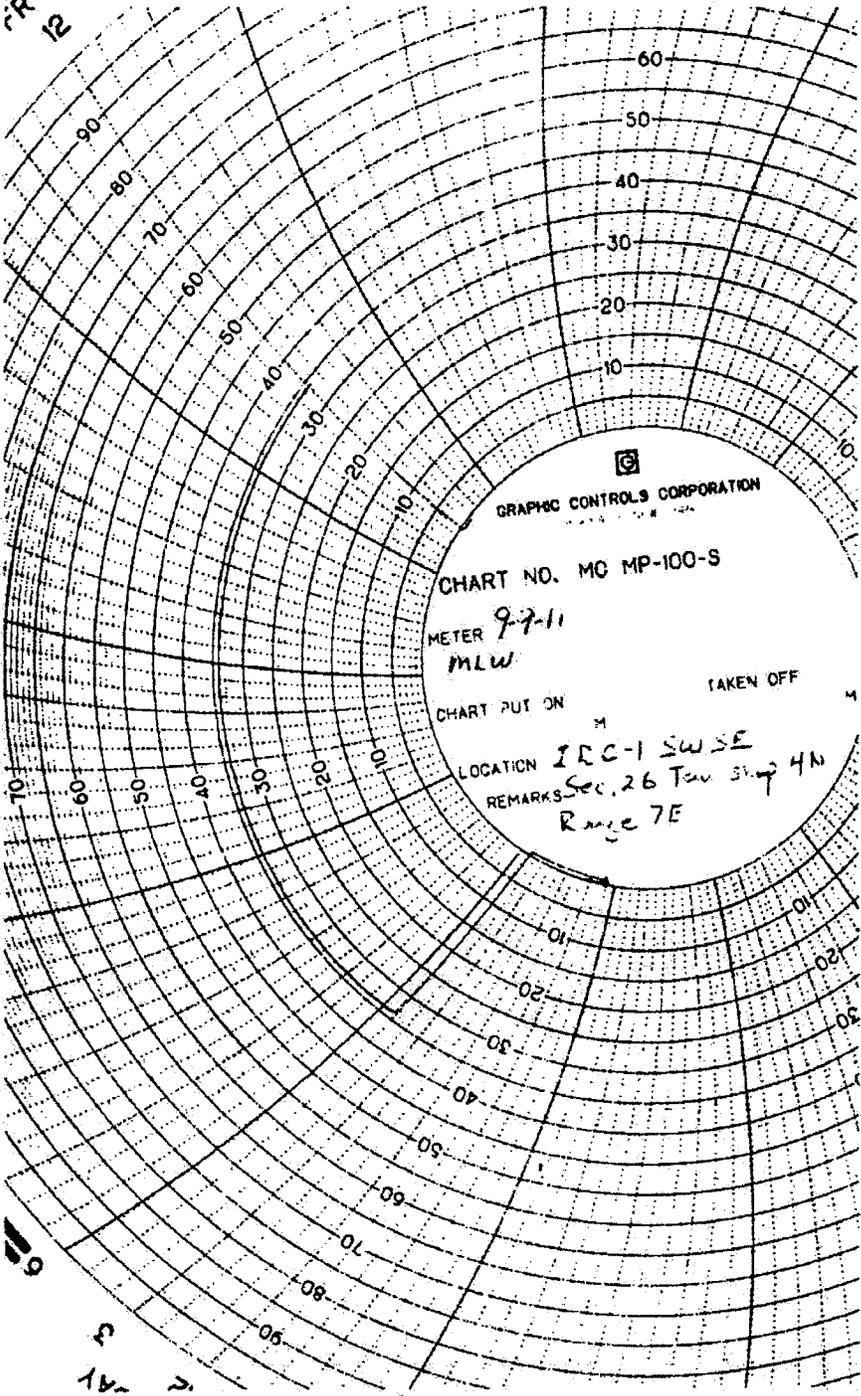
3074972442

meritanschutz

Merit-Anschutz

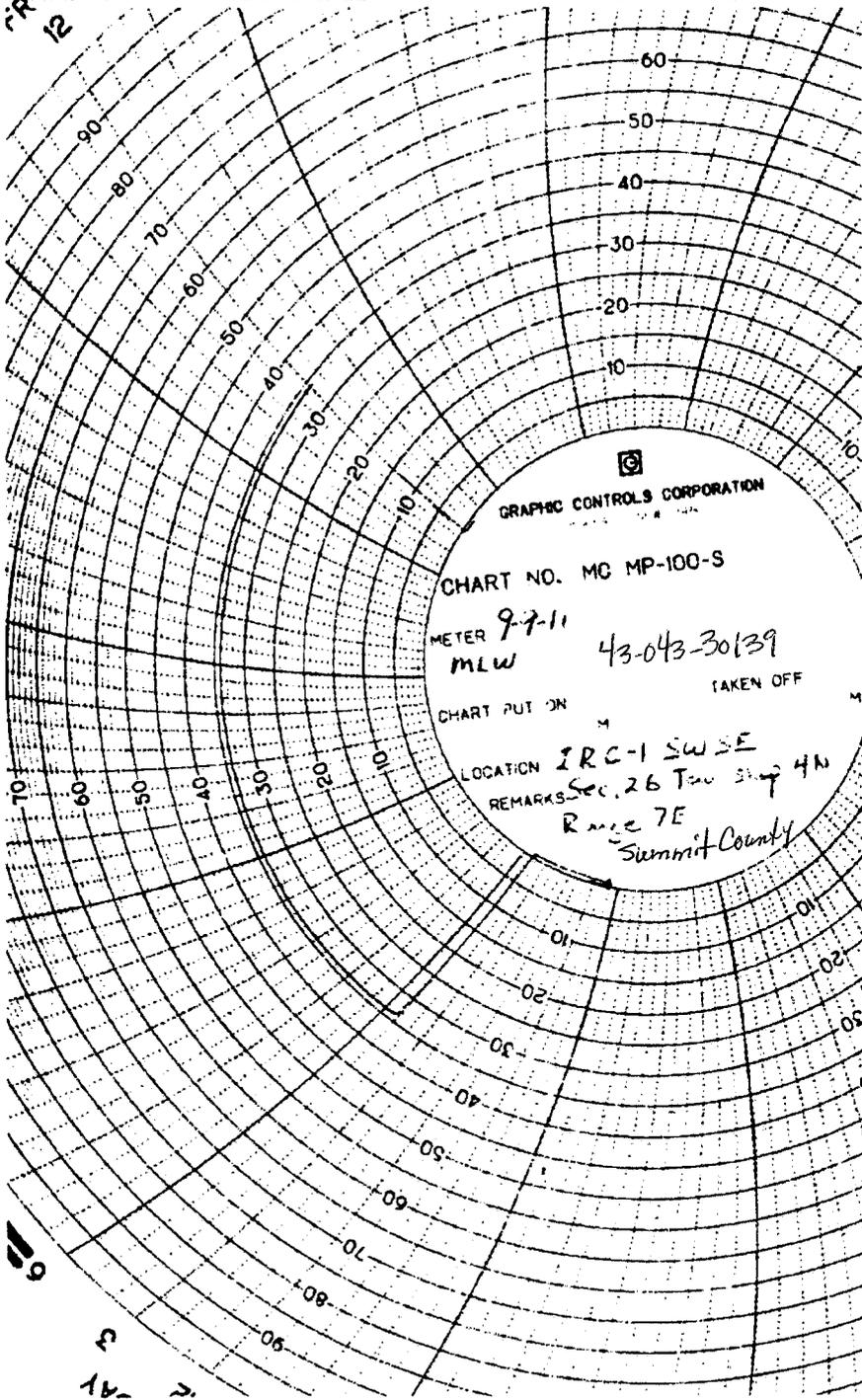
10:46:01 a.m. 09-13-2011

4/4



WELL SEARCH	WELL DATA	WELL HISTORY	WELL ACTIVITY
WELL NAME IR C-1	API NUMBER 4304330139	WELL TYPE WD	WELL STATUS A
OPERATOR MERIT ENERGY COMPANY	ACCOUNT N4900	OPERATOR APPROVED BY BLM / BIA <input type="checkbox"/>	
DESIGNATED OPERATOR	ACCOUNT		
FIELD NAME ANSCHUTZ RANCH	FIELD NUMBER 500	FIRST PRODUCTION 9 1 1982	LA PA DATE
WELL LOCATION SURF LOCATION 1324 FSL 1722 FEL Q. Q. S. T. R. M. SWSE 26 04.0 N 07.0 E S COUNTY SUMMIT		CONFIDENTIAL FLAG <input type="checkbox"/> CONFIDENTIAL DATE DIRECTIONAL HORIZONTAL D HORIZONTAL LATERALS COMMINGLED PRODUCTION <input type="checkbox"/> ORIGINAL FIELD TYPE D WILDCAT TAX FLAG <input type="checkbox"/> CB-METHANE FLAG <input type="checkbox"/> ELEVATION 7507 GR BOND NUMBER / TYPE 103912218 5	
UTM COORDINATES SURFACE - N 4543944.00 BHL - N SURFACE - E 490047.00 BHL - E LATITUDE 41.04857 LONGITUDE -111.11843		LEASE NUMBER FEE MINERAL LEASE TYPE 4 SURFACE OWNER TYPE 4 INDIAN TRIBE C.A. NUMBER UNIT NAME CUMULATIVE PRODUCTION: OIL 0 GAS 0 WATER 0	
WELL FILES WELL PHOTOS PROD. GRAPH			
COMMENTS 881130 FR N0050 1/88:980226 FR N1390 1/95:011214 OP FR N0050 12/2001:030826 OP FR N1990:			
Create New Rec Save Cancel Change To History To Activity Print Recd Export Recd ↑ ↓			

- P
- V1
- D
- V2
- X



RECEIVED
 SEP 13 2011
 DIV. OF OIL, GAS & MINING

INJECTION WELL - PRESSURE TEST

Well Name: IR C-1 API Number: 43-043-30139
 Qtr/Qtr: SWSE Section: 26 Township: 4N Range: 7E
 Company Name: Merit Energy Company (N4900)
 Lease: State _____ Fee Federal _____ Indian _____
 Inspector: Lisha Cordova Date: 9/9/11
** mt. States*

Initial Conditions: ** max. allowable inj. pressure (3000#)*

Tubing - Rate: 3589 bpd Pressure: 300 psi

Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>300</u>
5	<u>1000</u>	<u>300</u>
10	<u>1000</u>	<u>300</u>
15	<u>1000</u>	<u>300</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 300 psi

Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: Hole full prior to test, pressured up to 1000# for 15
min - held. Blew well "backside" down after test.
Charted.

Meridian T. Whinnery
 Operator Representative

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: FEE
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Water Disposal Well	8. WELL NAME and NUMBER: IR C-1
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	9. API NUMBER: 43043301390000
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	PHONE NUMBER: 972 628-1540 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1324 FSL 1722 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 26 Township: 04.0N Range: 07.0E Meridian: S	9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH
	COUNTY: SUMMIT
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/20/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> 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="Water Disposal"/>

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

Merit Energy Company request permission to dispose od water from the Glasscock Hollow Field in Wyoming to the aforementioned disposal well, while the Millis WIU B 2 (API# 49-041-20576)well is being repaired. Approximate disposal volume 2800BWPD.

Approved by the
July 09, 2016
Oil, Gas and Mining

Date: _____
 By: 

NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 5/19/2016	



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 30, 2016

Mel Wren
Merit Energy Company
P. O. Box 2760
Evanston, Wyoming 82931

Subject: Pressure Test for Mechanical Integrity, IR C-1, SWSE Section 26,
Township 4 North, Range 7 East, API No. 43-043-30139, Summit County, Utah

Dear Mr. Wren:

The Underground Injection Control Program, which the Division of Oil, Gas, and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five-year period beginning October 1982. Please make arrangements and get the IR C-1 well ready for testing during the week of September 13-16, 2016, as outlined below:

1. Operator must furnish connections, accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves, etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, and the well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the well to be tested at this time the test may be rescheduled.
4. Company personnel should meet a DOGM representative(s) at the field office or other location as negotiated.
5. All bradenhead valves with the exception of the tubing on the injection well must be shut-in 24 hours prior to testing.

Please contact Lisha Cordova at (801) 538-5296 to arrange a meeting time and place or to negotiate a different date, if the date(s) specified is unacceptable.

Sincerely,



Dan Jarvis
Operations Manager

DJJ/LC/js
cc: Lisha Cordova, Env. Scientist
Well File



STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: IR C-1 API Number: 43-043-30139
 Qtr/Qtr: SWSE Section: 21 Township: 4N Range: 7E
 Company Name: Merit Energy Company
 Lease: State _____ Fee Federal _____ Indian _____
 Inspector: Yisha Borodava Date: 9/16/2016
Mark Reinbold

Initial Conditions: *Max. inj. Pressure / MAIP 3000#

Tubing - Rate: ~ 850 Pressure: 900 psi

Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u>	<u>250</u>
5	<u>~980</u>	<u>250</u>
10	<u>980</u>	<u>250</u>
15	<u>~980</u>	<u>250</u>
20	<u>~980</u>	<u>250</u>
25	<u>~975</u>	<u>250</u>
30	<u>~975</u>	<u>250</u>
Results: Pass/Fail	<u>10:15 - 975</u>	<u>250</u>

Conditions After Test: end test ~ 10:16

Tubing Pressure: 400 psi @ 11:00 am

Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: Resumed injecting ~98 bpd @ 11:00 am

Mark Reinbold
Operator Representative

Chuck Rees performed test
(with states Oilfield Service)

Also present: Mel Wren (Merit)
Craig Koncitic (Merit)
Mark Reinbold (Utah DOGM)

45

40

50

10

15

20



Graphic Controls Inc.

CHART NO. MC MP-3000-1H

METER 3000 *spring* 3/16/16

CHART PUT ON 60 MIN

TAKEN OFF

LOCATION ANSCHUTZ 357 D 1

REMARKS M.I.T TEST
BACKSIDE

Handwritten notes:
1. *Back*
2. *1683*
3. *1750*
4. *1500*
5. *1000*
6. *500*
7. *250*
8. *1000*
9. *1500*
10. *2000*
11. *2500*
12. *3000*
13. *1750*
14. *1500*
15. *1000*
16. *500*
17. *250*
18. *1000*
19. *1500*
20. *2000*
21. *2500*
22. *3000*
23. *1750*
24. *1500*
25. *1000*
26. *500*
27. *250*
28. *1000*
29. *1500*
30. *2000*
31. *2500*
32. *3000*
33. *1750*
34. *1500*
35. *1000*
36. *500*
37. *250*
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