



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



July 10, 1979

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

Re: Anschutz Ranch Field
Anschutz Ranch Well #34-2
NW Section 34, T4N, R7E
Summit County, Utah

Dear Mr. Feight,

Enclosed is the application to drill and the survey plats (submitted in triplicate) for the above referenced well. Please feel free to contact us if you have any questions.

Sincerely,

Peter B. Doty
Operations Coordinator

PBD/eg
Enclosures

cc: Champlin Petroleum
Amoco Production

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
 THE ANSCHUTZ CORPORATION

3. ADDRESS OF OPERATOR
 Suite 2400, Anaconda Tower
 555 Seventeenth Street, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 1100' fw1 1036' fn1
 At proposed prod. zone *NW NW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 20 miles SW of Evanston, Wyoming

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

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

19. PROPOSED DEPTH
 19,000

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7366' GR

22. APPROX. DATE WORK WILL START*
 8/1/79

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
36	30		150	Cement to Surface
26	20		2000	2450 sx cement to surface
17½	13-3/8		6500	3600 sx cement to surface
12¼	9-5/8		13,000	Cement across salt in 13-3/8
8½	7" Liner		12,500' - TD.	To be determined by caliper

We propose to drill this well to an approximate total depth of 19,000' to test the subthrust cretaceous formations. Mud and BOP programs will be those generally used in this area. Electric Logs will be run to T D (DIL-GR, BHC-Sonic, FDC-CNC, DIP, Frac I.D.). No Cores are planned at present. Drill Stem Tests will be run as warranted. If production is obtained, casing will be set and selectively perforated. Fracing and/or acidizing may be required to stimulate production. Blanket Bond is on file. Survey plats are attached.

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

24. SIGNED Peter B. Doty TITLE Operations Coordinator DATE June 29, 1979
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: July 16, 1979

Operator: Anschutz Corporation

Well No: Anschutz Ranch 34-2

Location: Sec. 34 T. 4N R. 7E County: Summit

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-043-30106

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M.G. Minder

Remarks: H₂S reg. & provision that prod zone be not closer than 990' from boundary.

Director: Z

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 183-1 7-26-79

Surface Casing Change
to _____

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

O.K. Rule C-3

O.K. In _____ Unit

Other:

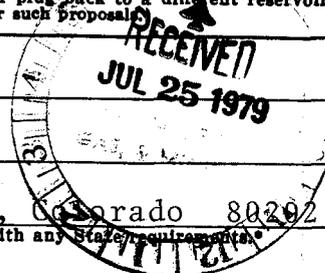
Letter Written/Approved

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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.)



1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR THE ANSCHUTZ CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 555 17th St., Suite 2400, Denver, Colorado 80202		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 1100' FWL & 1036' FNL		8. FARM OR LEASE NAME Anschutz Ranch
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7366' GR	9. WELL NO. 34-2
		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34-T4N-R7E
		12. COUNTY OR PARISH Summit
		18. STATE Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Supplement <input checked="" 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 type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other)	

(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.)*

Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Quantity of Cement
36	30"	1/2" wall	150	Cement to surface
26	20"	106.5; 133; 169 #/ft.	2,000	Cement to surface 2450 sx
17½	13-3/8" & 13-5/8"	69#; 88#	7,200	Cement to surface 3600 sx
12¼	9-5/8"	47# - 53.3#	11,100±	Stage cement across salt in 13-3/8" ±3000 sx from caliper
8½	7" liner	32#	10,500'-TD	To be determined by caliper

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

SIGNED Peter B. Doby TITLE Operations Coordinator DATE 7-23-79
(This space for Federal or State office use)

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

TH ANSCHUTZ CORPORATION
2400 ANACONDA TOWER • DENVER, COLORADO 80202
PHONE (303) 825-6100

M E S S A G E

R E P L Y

TO [Utah Oil & Gas Conservation
Commission
1588 West North Temple
Salt Lake City, Utah 84116]

DATE _____

DATE July 23, 1979

Re: Anschutz Ranch #34-2
Summit County, Utah

Gentlemen:

Enclosed is the Sundry Notice -
Supplement you requested. If
there is any other information
you require please advise.

Jim Bundy

BY _____

SIGNED _____

Form N-R73® The Drawing Board, Inc., Box 505, Dallas, Texas

INSTRUCTIONS TO SENDER:

1. KEEP YELLOW COPY. 2. SEND WHITE AND PINK COPIES WITH CARBON INTACT.

INSTRUCTIONS TO RECEIVER:

1. WRITE REPLY. 2. DETACH STUB, KEEP PINK COPY, RETURN WHITE COPY TO SENDER.



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

The 27-1 well was drilled to 7849 feet, 385 feet into the Nugget and 7" casing was run to T.D. and cemented back over the Twin Creek. The well was shot over the gross interval 7469-7766 in the Nugget and 6610-7376 over the Twin Creek but a cement retainer was set at 7500 feet and all deeper perforations squeezed off. At present, the Nugget is open from 7466-7498 feet; this is some four hundred feet higher in the Nugget section than the proposed injection zone at the 34-2 well. Because the injection zone at the 34-2 well is some four hundred feet below and 5000 feet distant horizontally from the 27-1 well Nugget producing interval, it would appear unlikely that the 27-1 and 34-2 wells would interfere with one another.

Sincerely,

David J. Kingston
David J. Kingston
Production Engineer

1sj



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CLEON B. FEIGHT
Director

July 30, 1979

Anschutz Corporation
2400 Anaconda Tower
555 Seventeenth Street
Denver, Colorado 80202

Re: Anschutz Ranch 34-2
Sec. 34, T. 4N, R. 7E
Summit County

Dear Sir:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 183-1 Dated July 26, 1979. Providing that the permitted producing zone for each drilling unit of 320 acres shall be 990' from the boundary of the NW 1/4 and at least 990' from the boundary of the SE 1/4 of a governmental section.

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 - Geological Engineer
HOME: 876-3001
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. 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 the drilling contractor and rig number be identified.

The API number assigned to this well is 43-043-30106.

Sincerely,

DIVISION OF OIL, GAS AND MINING

M. T. Minder

MICHAEL T. MINDER
GEOLOGICAL ENGINEER

MTM/tlh

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

I. DANIEL STEWART
Chairman

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

CLEON B. FEIGHT
Director

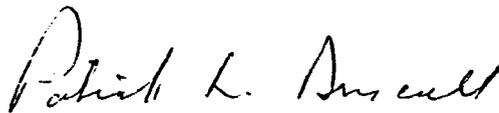
ON-SITE EQUIPMENT AND GENERAL PRACTICES
FOR DRILLING IN KNOWN AREA OR IN A KNOWN
FORMATION CONTAINING HYDROGEN SULFIDE

1. A minimum of three cleared areas designated as crew briefing or safety areas. These are to be located no less than 250 feet from the BOP stack, and further, are to be placed so that at least one location is always upwind.
2. The drilling rig should be spotted so as the general prevailing wind is blowing towards the pits.
3. The location and the reserve pit should be made larger than normal to allow reasonable safe distances from the well for on-site trailers. The reserve pit is to be larger in order to accommodate safe flaring of gas.
4. There shall be a minimum of three wind sack poles, and each pole shall have two streamers. The lower most streamer shall be located no more than 8 feet above ground level or, when attached to the rig, no more than 8 feet above the rotary table. Streamers shall be illuminated for night operations.
5. The mud logging unit should be no closer than 125 feet from the BOP unit, and the electrical generator is to be at least 150 feet from the BOP unit.
6. Well marked, highly visible warning signs are to be located no less than $\frac{1}{2}$ mile on all access roads to the rig.
7. An approved contingency plan must be submitted prior to commencing drilling operations into known formations containing, or suspected of containing hydrogen sulfide.
8. A minimum of 5 self-contained breathing apparatus on the rig floor, and 2 self-contained breathing apparatus for each occupied trailer on location.
9. At least two "bug fans" on location; one to be located in the cellar area blowing towards the pits, and the other to be located on the rotary floor blowing towards the pits.

10. Prior to drilling into a potentially hazardous formation, the following additional equipment shall be on hand:

- A. Safety trailer containing no less than 10 - 380 cubic foot bottles of breathing air. The bottles are to be connected to a manifold system that provides outlets on the rig floor for at least 9 men; on the shale shaker and choke manifold for at least 4 men; and at the mud pump and hopper area for 4 men.
- B. One resuscitator complete with medical oxygen.
- C. One hand H₂S detector located on the rig floor.
- D. One flare gun located in the rig supervisors trailer.
- E. One additional stretcher and one additional first aid kit.
- F. One high pressure air compressor suitable for recharging air cylinders.
- G. One visible and one audible alarm system, complete with monitors located at the shale shaker and at the bell nipple.
- H. A sufficient quantity of 50/50 aqueous ammonia and water to be able to load the drill pipe when pulling a D.S.T.
- I. Radio or telephone communication equipment.

Sincerely,



PATRICK L. DRISCOLL
CHIEF PETROLEUM ENGINEER
DIVISION OF OIL, GAS, AND MINING

PLD/lw

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 1

THE ANSCHUTZ CORPORATION
 ANSCHUTZ RANCH #34-2
 WILDCAT
 SUMMIT COUNTY

FORMATION : TWIN CREEK
 DRLG. FLUID: WATER BASE MUD
 LOCATION : SEC 34 T4N-R7E
 STATE : UTAH

DATE : 12-19-79
 FILE NO. : RP-4-5482-N
 ANALYSTS : BERNDT
 ELEVATION: 7366 GR

FULL DIAMETER ANALYSIS---BOYLE'S LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD)		POR. B.L.	FLUID SATS.		DESCRIPTION	
		MAX.	90 DEG. VERTICAL		OIL	WATER		
	6758--6765						SHALE--NO ANALYSIS	
	6765--6766						LOST RECOVERY	
	6766--6774						SHALE--NO ANALYSIS	
	6774--6776						LOST RECOVERY	
	6776--6826						SHALE--NO ANALYSIS	
	6826--7042						DRILLED	
	7042--7060						SHALE--NO ANALYSIS	
	7060--7063						LOST RECOVERY	
	7063--7098						SHALE--NO ANALYSIS	
	7098--7145						DRILLED	
	7145--7146						SHALE--NO ANALYSIS	
	7146--7152						LOST RECOVERY	
1	7152-53	4.4	*	1.4	0.0	97.9	2.70 LS, BLK FXLN	VF
2	7153-54	0.72	0.51	0.3	0.0	97.4	2.71 LS, BLK FXLN	
3	7154-55	1.2	0.54	0.5	0.0	97.2	2.72 LS, BLK FXLN	HG
4	7155-56	<0.01	*	1.7	0.0	95.3	2.74 LS, BLK FXLN	
5	7156-57	1.8	1.5	0.8	0.0	97.1	2.71 LS, BLK FXLN	HF
6	7157-58	1.5	0.92	0.8	0.0	93.5	2.72 LS, BLK FXLN	HF
7	7158-59	0.31	0.31	0.6	0.0	91.8	2.76 LS, BLK FXLN	
8	7159-60	1.6	0.76	0.9	0.0	91.1	2.73 LS, BLK FXLN	HF
9	7160-61	1.7	0.69	0.8	0.0	90.2	2.75 LS, BLK FXL	HF
10	7161-62	0.32	*	2.6	0.0	95.9	2.74 LS, BLK FXLN	VF
11	7162-63	0.06	*	0.4	0.0	86.7	2.72 LS, BLK FXLN	
12	7163-64	0.93	0.89	1.0	0.0	69.0	2.77 LS, BLK FXLN	HF
	7164--7165						ANHYDRITE--NO ANALYSIS	

* SAMPLE NOT SUITABLE FOR FULL DIAMETER ANALYSIS

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 2

THE ANSCHUTZ CORPORATION
 ANSCHUTZ RANCH #34-2
 WILDCAT
 SUMMIT COUNTY

FORMATION : TWIN CREEK
 DRILG. FLUID: WATER BASE MUD
 LOCATION : SEC 34 T4N-R7E
 STATE : UTAH

DATE : 12-19-79
 FILE NO. : RF-4-5482-N
 ANALYSTS : BERNDT
 ELEVATION: 7366 GR

FULL DIAMETER ANALYSIS---BOYLE'S LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD)			POR. B.L.	FLUID SATS.		DESCRIPTION		
		MAX.	90 DEG.	VERTICAL		OIL	WATER			
13	7165-66	1.3	*		1.5	0.0	60.1	2.70	LS, BLK FXLN	VF
14	7166-67	0.32	*		1.8	0.0	91.6	2.71	LS, BLK FXLN	VF
15	7167-68	0.10	*		1.4	0.0	88.7	2.71	LS, BLK FXLN	VF
16	7168-69	<0.01	*		1.0	0.0	92.7	2.70	LS, BLK FXLN	
17	7169-70 7170-7172	0.01	*		1.0	0.0	87.6	2.70	LS, BLK FXLN LOST RECOVERY	

* SAMPLE NOT SUITABLE FOR FULL DIAMETER ANALYSIS



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY THE ANSCHUTZ CORPORATION FIELD WILDCAT FILE RP-4-5482
 WELL ANSCHUTZ RANCH #34-2 COUNTY SUMMIT DATE 12-19-79
 LOCATION SEC 34 T4N-R7E STATE UTAH ELEV. 7366 GR

CORE-GAMMA CORRELATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted) but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG (PATENT APPLIED FOR)

GAMMA RAY
RADIATION INCREASE
→

COREGRAPH

TOTAL WATER _____
PERCENT TOTAL WATER
80 60 40 20 0

PERMEABILITY

MILLIDARCVS

100 50 10.5 .1 15

POROSITY

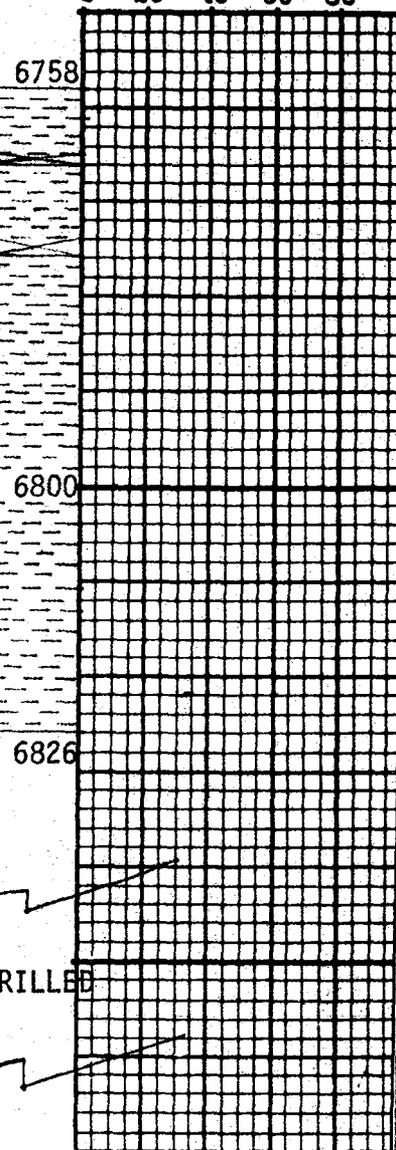
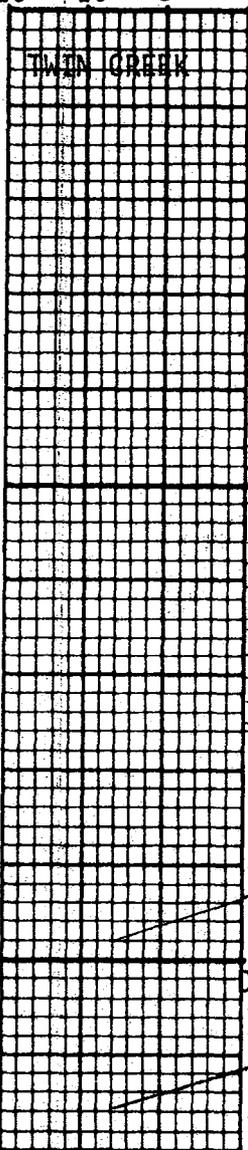
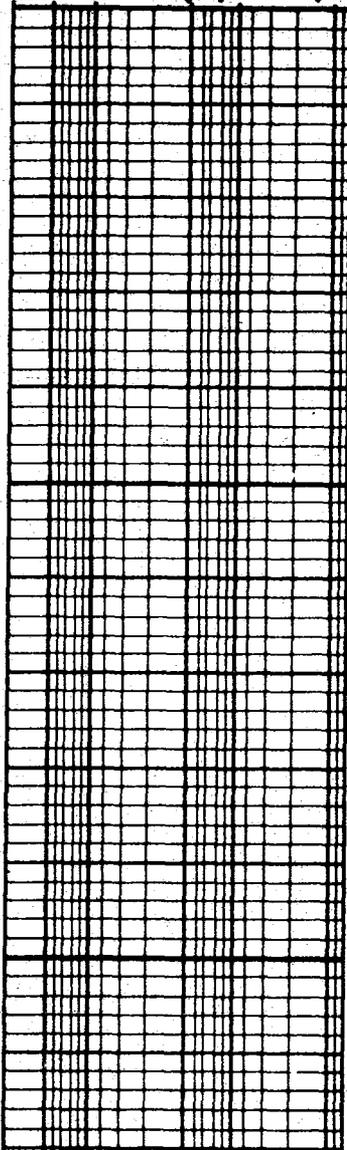
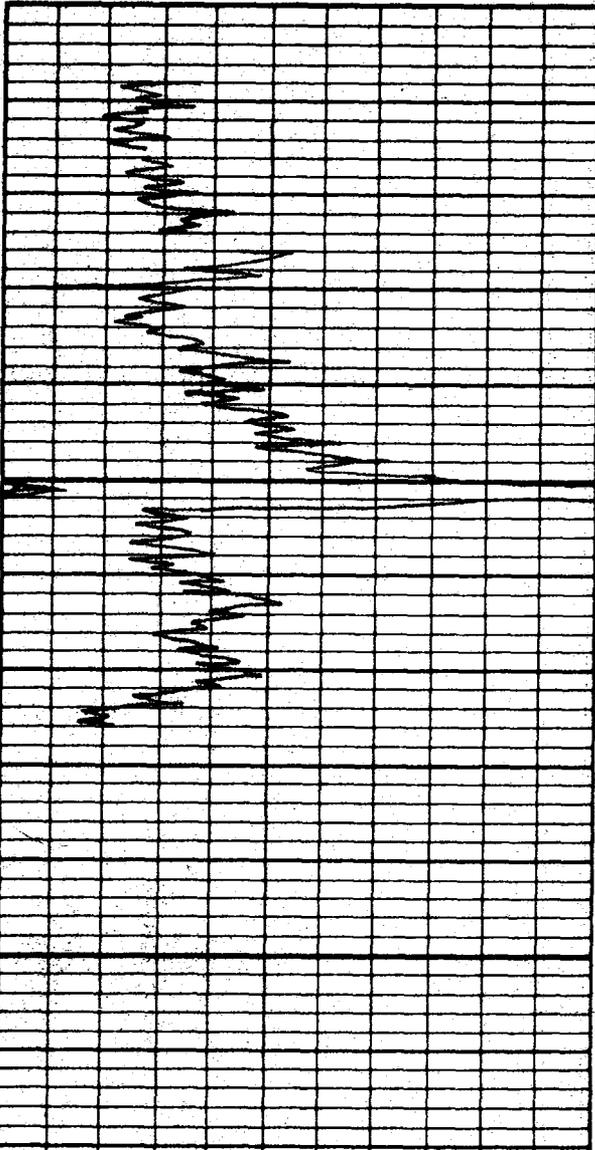
PERCENT

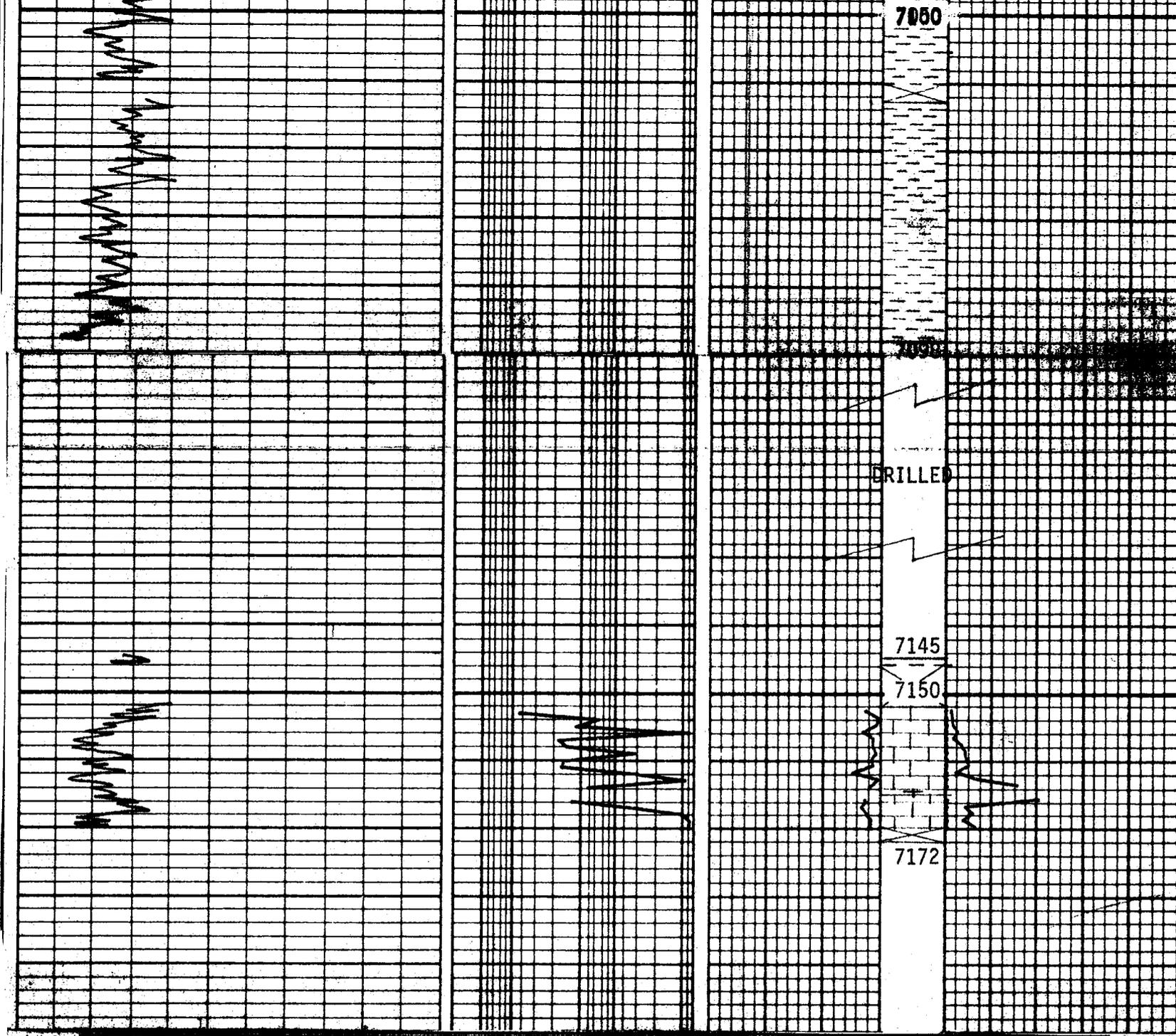
10 5

OIL SATURATION

PERCENT PORE SPACE

0 20 40 60 80



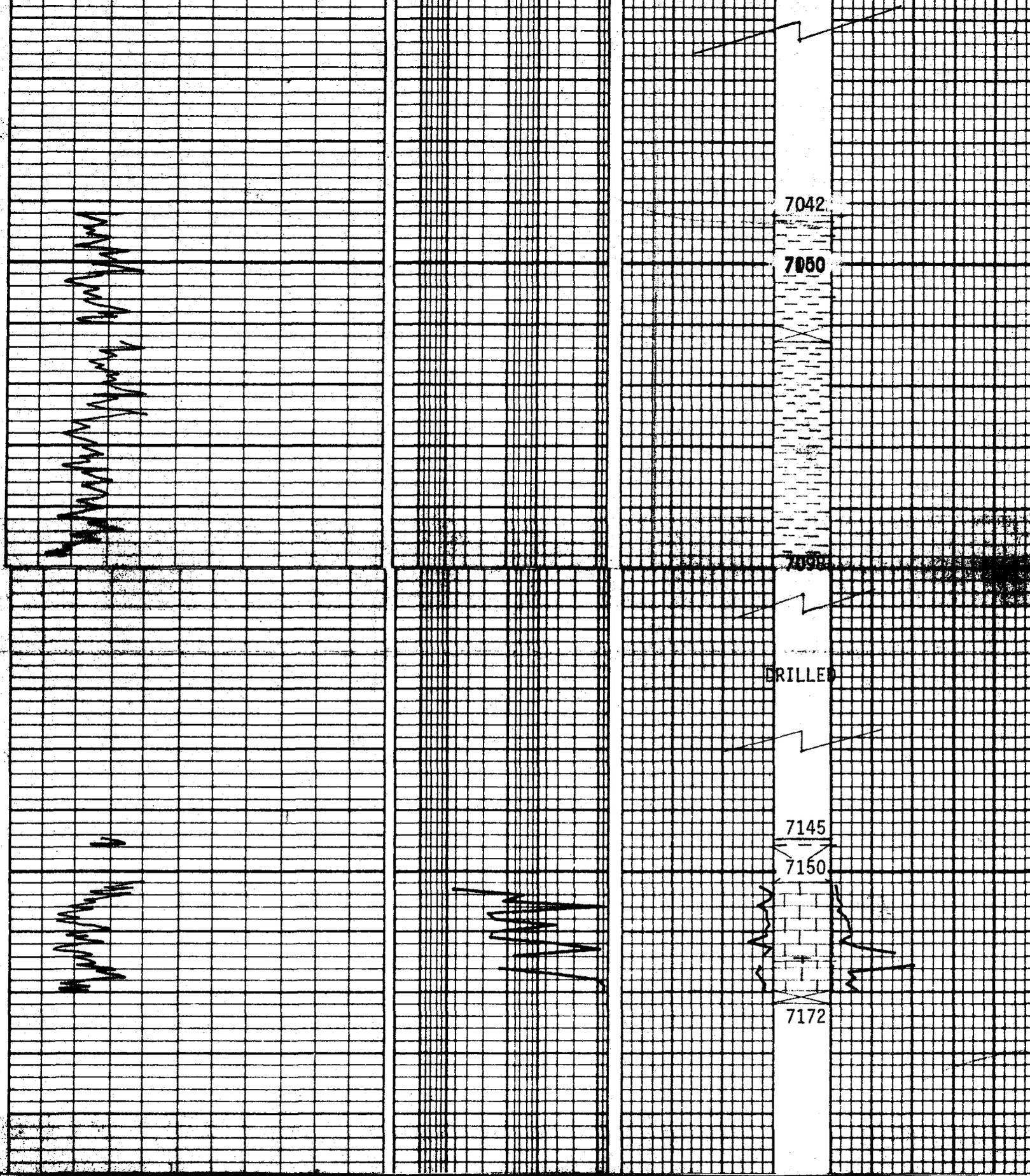


INTERPRETATION OF DATA

7152.0-7170.0 Feet - Non-productive due to low permeability and porosity.

These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is started at original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas. The effects of factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or water-oil ratios, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Detailed predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc., and its officers and employees assume no responsibility and make no warranty or representation as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.



INTERPRETATION OF DATA

7152.0-7170.0 Feet - Non-productive due to low permeability and porosity.

Perforation Record

18155-18221 4SPF
17508-17720 "
17108-17222 "
16965-17023 "
15970-15993 "
15710-15770 "
15411-15468 "
15346-15356 "
15300-15308 "
15246-15252 "
15099-15110 "
14990-14995 "
14820-14832 "
14785-14795 "
14746-14754 "
14426-14446 "
13050-13434 "
12991-12998 "
12968-12972 "
12962-12965 "
12955-12958 "
12942-12952 "
12600-12683 "
12382-12410 "
12332-12354 "
12274-12307 "
12194-12216
7581-7585
7548-7558
7451-7466
7423-7433
7368-7408
7223-7303
7172-7198
7005-7015
6964-6976
6920-6940
6870-6898
6836-6850
6808-6830
6800-6806

Acidization Record

10,000 gal. 20% HCL
450,000 SCF N₂
"
"
5000 gal. 15% HCL
"
9000 gal. 15% HCL
5000 gal. 15% HCL
"
"
2000 gal. 15% HCL
1000 scf/bbl N₂
6000 gal. 15% HCL
1000 scf/bbl N₂
"
4000 gal. 15% HCL
8000 gal. 15% HCL 100,000 SCF N₂
27,000 gal. 15% HCL
900,000 SCF N₂
"
"
"
15,000 gal. 15% HCL
42,000 gal. 15% HCL
1500 SCF/bbl N₂
"
"
10,000 gal. 20% HCL
6000 gal Gel
2500 SCF/bbl N₂
"
4500 gal. 15% HCL
38,000 SCF N₂
10,000 gal. 15% HCL
1200 SCF/bbl N₂
"
"
"
"



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
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
March 3, 1980

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

The Anschutz Corporation
555 Seventeenth St.
Denver, Colorado 80202

RE: See enclosed sheet for 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

JANICE TABISH
CLERK TYPIST

- (1) Well No. Anschutz Ranch 33-1
Sec. 33, T. 4N, R. 7E.
Summit County, Utah
September 1979-February 1980
- (2) Well No. Anschutz Ranch 27-1
Sec. 27, T. 4N, R. 7E.
Summit County, Utah
November 1979-February 1980
- (3) Well No. Anschutz Ranch 34-2
Sec. 34, T. 4N, R. 7E.
Summit County, Utah
August 1979-February 1980

April 30, 1980

The Anschutz Corp.
1400 Anaconda Tower
555 17th St.
Denver, Colorado 80202

Re: Well No. Anschutz Ranch 27-1
Sec. 27, T. 4N, R. 7E.
Summit County, Utah
Months due: December 1979-April 1980

Well No. Anschutz Ranch 34-2
Sec. 34, T. 4N, R. 7E.
Summit County, Utah
Months due: August 1979-April 1980

Gentlemen:

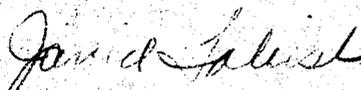
Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

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



JANICE TABISH
CLERK-TYPIST

Contractor Brinkerhoff-Signal, Inc.
 Rig No. 40
 Spot NW NW
 Sec. 34
 Twp. 4 N
 Rng. 7 E
 Field Anschutz Ranch
 County Summit
 State Utah
 Elevation 7482' K.B.
 Formation Wells

Top Choke 1/4"
 Bottom Choke 9/16"
 Size Hole 8 1/2"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" 19.50
 Size Wt. Pipe 4 1/2" 49# 639'
 I. D. of D. C. 2 3/8"
 Length of D. C. 279'
 Total Depth 15010'
 Interval Tested 14938-15010'
 Type of Test Bottom Hole Conventional

Flow No. 1 10 Min.
 Shut-in No. 1 30 Min.
 Flow No. 2 60 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 246°F
 Mud Weight 8.8
 Gravity --
 Viscosity 46

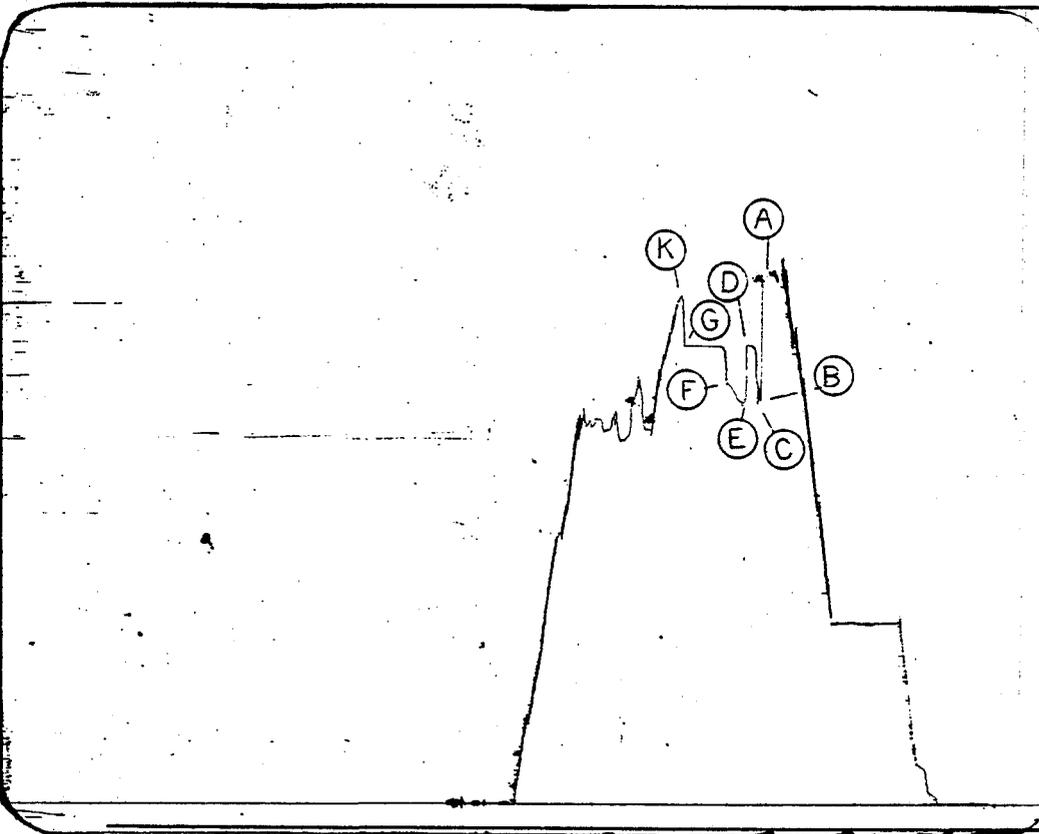
Tool opened @ 6:00 AM

Outside Recorder

PRD Make Kuster AK-1
 No. 1389 Cap. 10500 @ 14990'

	Press	Corrected
Initial Hydrostatic	A	7002
Final Hydrostatic	K	6847
Initial Flow	B	5436
Final Initial Flow	C	5388
Initial Shut-in	D	6203
Second Initial Flow	E	5433
Second Final Flow	F	5684
Second Shut-in	G	6190
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, Wy.
 Our Tester: Stormy Hayes
 Witnessed By: Birl Lynch



Did Well Flow - Gas no Oil no Water no

RECOVERY IN PIPE: 9588' Total fluid (Ran 5000' water, ammonia, & inhibitor cushion)
 5000' Water, ammonia, & inhibitor cushion = 64.50 bbl.
 4588' Gas cut drilling mud = 57.11 bbl.
 Test was reverse circulated
 Top Sample R.W.: 1.5 @ 68°F = 4050 ppm. cl.
 Middle Sample R.W.: 9.0 @ 70°F = 600 ppm. cl.
 Bottom Sample R.W.: 4.2 @ 70°F = 1300 ppm. cl.

Blow Description:

- 1st Flow: Tool opened with a strong blow, increased to bottom of bucket in 1 minute; continued to increase to 1 psi. at end of flow period.
- 2nd Flow: Tool opened with a weak blow, increased to bottom of bucket in 4 minutes with 1 psi and remained thru flow period.

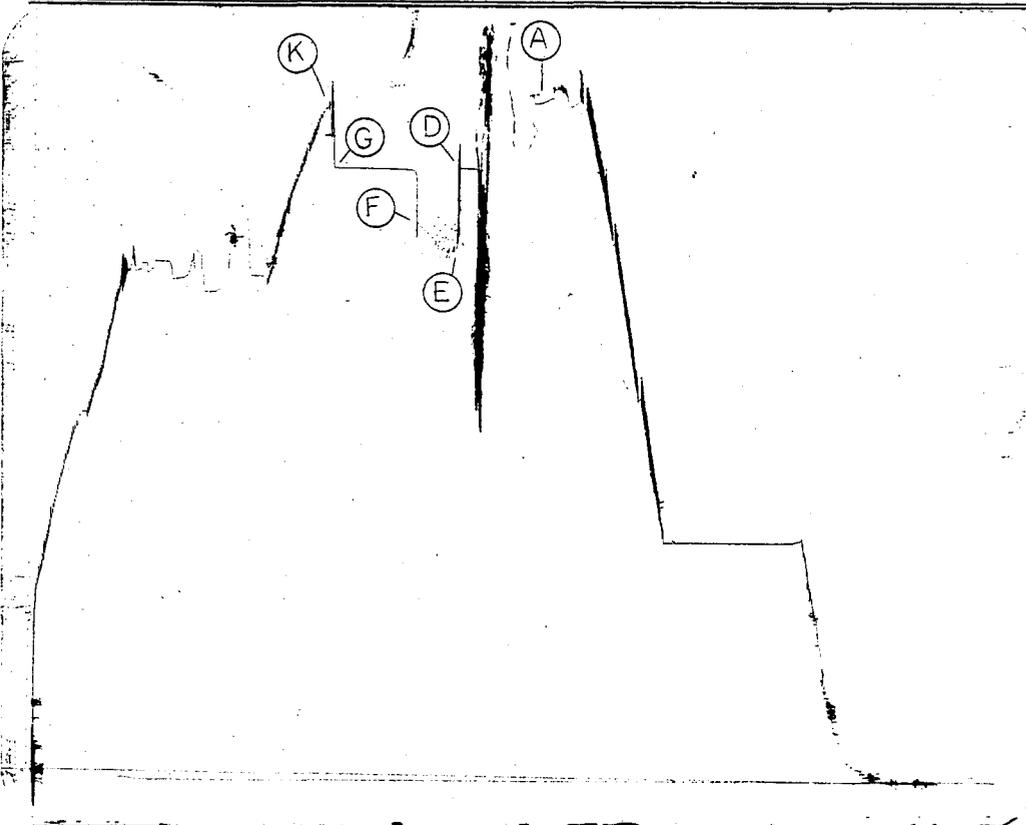
Operator The Anschutz Corporation
 Address See Distribution
 Well Name and No. Anschutz Ranch #34-2
 Ticket No. 20678
 Date 4-18-80
 No. Final Copies 10
 DST No. 5

LYNES, INC.

The Anschutz Corporation
Operator

Anschutz Ranch #34-2
Well Name and No.

5
DST No.



Inside Recorder

PRD Make Kuster AK-1
No. 973 Cap. 7900 @ 14920'

	Press	Corrected
Initial Hydrostatic	A	7021
Final Hydrostatic	K	6853
Initial Flow	B	*
Final Initial Flow	C	*
Initial Shut-in	D	6224
Second Initial Flow	E	5413
Second Final Flow	F	5650
Second Shut-in	G	6205
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
* Unreadable		
Pressure Below Bottom Packer Bled To		

PRD Make _____
No. _____ Cap. _____ @ _____

	Press	Corrected
Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	
Pressure Below Bottom Packer Bled To		

WELL NAME: ANSCHUTZ RANCH 34

DST NUMBER: 005

RECORDER NUMBER: 001389

INTERVAL TESTED: 14938FT TO 15010FT

RECORDER DEPTH: 14989.998FT

TOTAL FLOW TIME: 10.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	5388.0
1.0	11.0000	6171.0
2.0	6.0000	6178.0
3.0	4.3333	6181.0
4.0	3.5000	6184.0
5.0	3.0000	6187.0
6.0	2.6667	6190.0
7.0	2.4286	6193.0
8.0	2.2500	6196.0
9.0	2.1111	6198.0
10.0	2.0000	6199.0
12.0	1.8333	6199.0
14.0	1.7143	6199.0
16.0	1.6250	6200.0
18.0	1.5556	6200.0
20.0	1.5000	6201.0
22.0	1.4545	6201.0
24.0	1.4167	6202.0
26.0	1.3846	6203.0 *
28.0	1.3571	6203.0 *
30.0	1.3333	6203.0 *

* VALUES USED IN HORNER ANALYSIS

SLOPE: .00000 PSI/CYCLE

EXTRAPOLATED PRESSURE: 6203.0 PSI

WELL NAME:

ANSCHUTZ RANCH 34

DST NUMBER: 005

RECORDER NUMBER: 001389

INTERVAL TESTED: 14938FT TO 15010FT

RECORDER DEPTH: 14989.998FT

TOTAL FLOW TIME: 70.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	5684.0
1.0	71.0000	6077.0
2.0	36.0000	6126.0
3.0	24.3333	6150.0
4.0	18.5000	6158.0
5.0	15.0000	6162.0
6.0	12.6667	6166.0
7.0	11.0000	6169.0
8.0	9.7500	6172.0
9.0	8.7778	6174.0
10.0	8.0000	6175.0
12.0	6.8333	6176.0
14.0	6.0000	6177.0
16.0	5.3750	6178.0
18.0	4.8889	6179.0
20.0	4.5000	6180.0
22.0	4.1818	6181.0
24.0	3.9167	6182.0
26.0	3.6923	6183.0
28.0	3.5000	6184.0
30.0	3.3333	6185.0
40.0	2.7500	6186.0
50.0	2.4000	6187.0
60.0	2.1667	6188.0
70.0	2.0000	6189.0
80.0	1.8750	6190.0 *
90.0	1.7778	6190.0 *
100.0	1.7000	6190.0 *
110.0	1.6364	6190.0 *
120.0	1.5833	6190.0 *

* VALUES USED IN HORNER ANALYSIS

SLOPE: .00000 PSI/CYCLE

EXTRAPOLATED PRESSURE: 6190.0 PSI

HORNER PLOT

TEST DATE: 04 18 80

WELL NAME: ANSCHUTZ RANCH 34-2

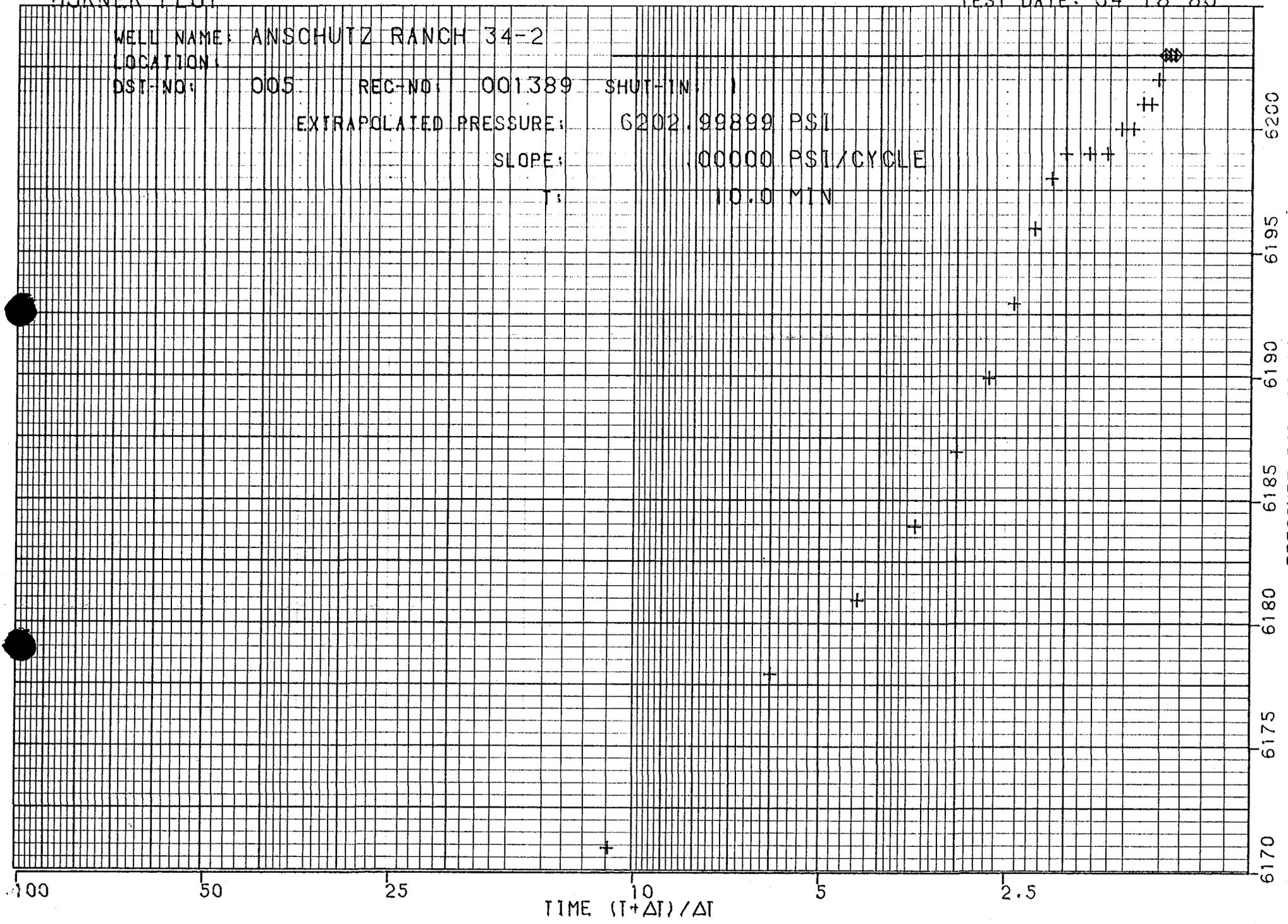
LOCATION:

DST-NO: 005 REC-NO: 001389 SHUT-IN: 1

EXTRAPOLATED PRESSURE: 6202.99899 PSI

SLOPE: .00000 PSI/CYCLE

T: 10.0 MIN



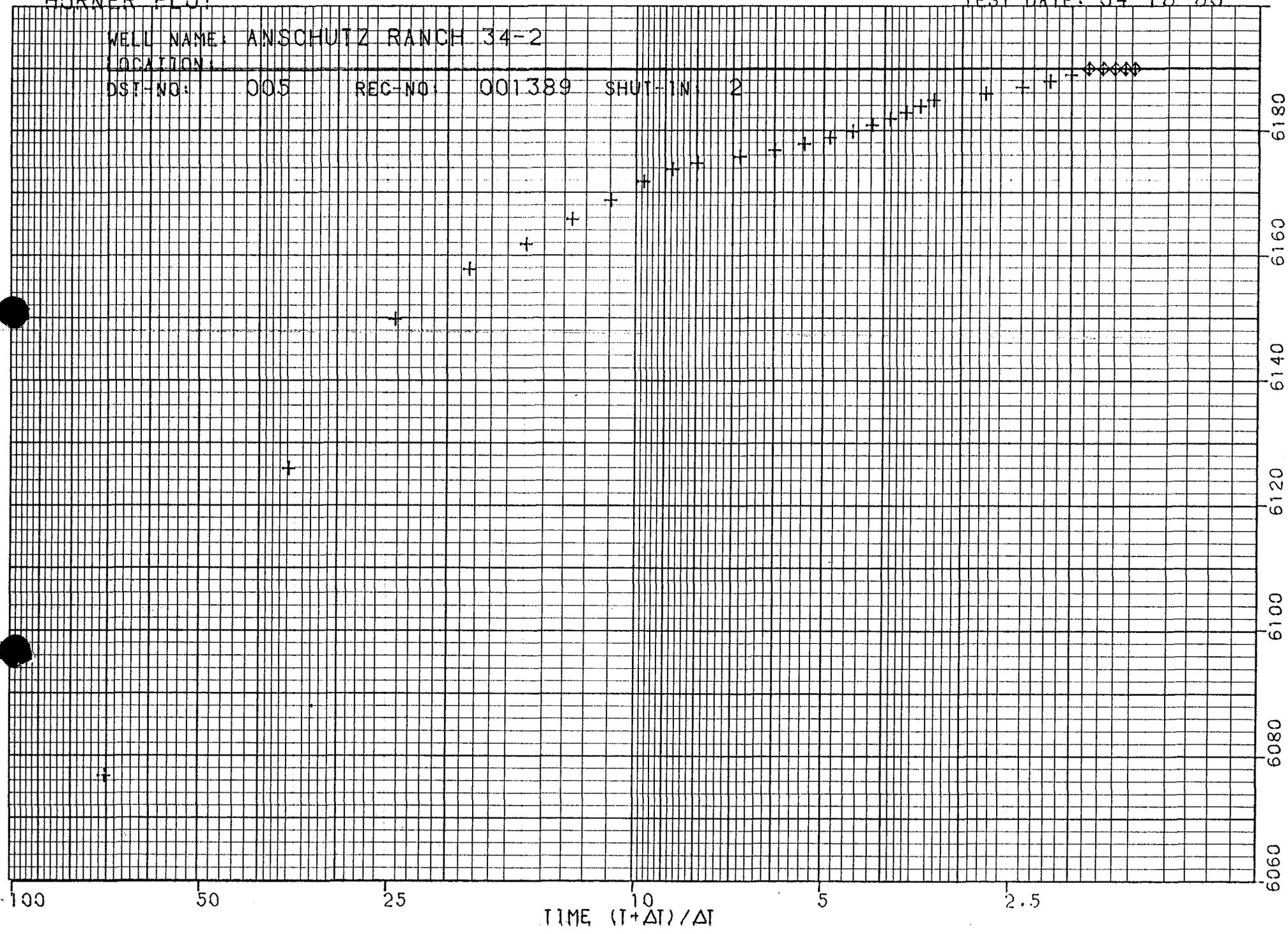
HORNER PLOT

TEST DATE: 04 18 80

WELL NAME: ANSCHUTZ RANCH 34-2

LOCATION:

DST-NO: 005 REC-NO: 001389 SHUT-IN: 2



6180
6160
6140
6120
6100
6080
6060
PRESSURE PSI LIQUID

TIME $(T + \Delta t) / \Delta t$

LYNES, INC.

Sampler Report

Company The Anschutz Corporation Date 4-18-80
Well Name & No. Anschutz Ranch #34-2 Ticket No. 20678
County Summit State Utah
Test Interval 14938-15010' DST No. 5

Total Volume of Sampler: 2150 cc.
Total Volume of Sample: 1650 cc.
Pressure in Sampler: 195 psig
Oil: None cc.
Water: 1650 Highly gas cut cc.
Mud: None cc.
Gas: .45 cu. ft.
Other: None
Sample R.W.: .20 @ 65°F = 38,000 ppm. cl.

Resistivity

Make Up Water R.W.: 10.0 @ 70°F of Chloride Content 525 ppm.
Mud Pit Sample R.W.: 1.0 @ 85°F of Chloride Content 4900 ppm.
Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Operator The Anschutz Corporation Well Name and No. Anschutz Ranch #34-2

Original &

1 copy: The Anschutz Corp., 555 17th St., Suite 2400, Denver, Co. 80202

1 copy: Natural Gas Pipeline, P.O. Box 283, 5051 Westheimer, Houston, Tx. 77001

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2 copies: Champlin Petroleum P.O. Box 1257, Englewood, Co. 80110

1 copy: Division of Oil, Gas & Mining, 1588 W. North Temple, Salt Lake City,
Utah 84116

Brinkerhoff-Signal, Inc.
 Contractor Brinkerhoff-Signal, Inc.
 Rig No. 40
 Spot NW-NW
 Sec. 34
 Twp. 4 N
 Rng. 7 E
 Field Anschutz Ranch
 County Summit
 State Utah
 Elevation 7482' K.B.
 Formation Weber

Top Choke 1/4"
 Bottom Choke 1/4"
 Size Hole 7 1/2"
 Size Rat Hole --
 Size & Wt. D. P. 5" 19.50
 Size Wt. Pipe 5" 25.60# 639'
 I. D. of D. C. 2 1/2"
 Length of D. C. 558'
 Total Depth 12,880'
 Interval Tested 12770-12880'
 Type of Test Bottom Hole Conventional

Flow No. 1 15 Min.
 Shut-in No. 1 30 Min.
 Flow No. 2 60 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 210° F
 Mud Weight 9.0
 Gravity --
 Viscosity 45

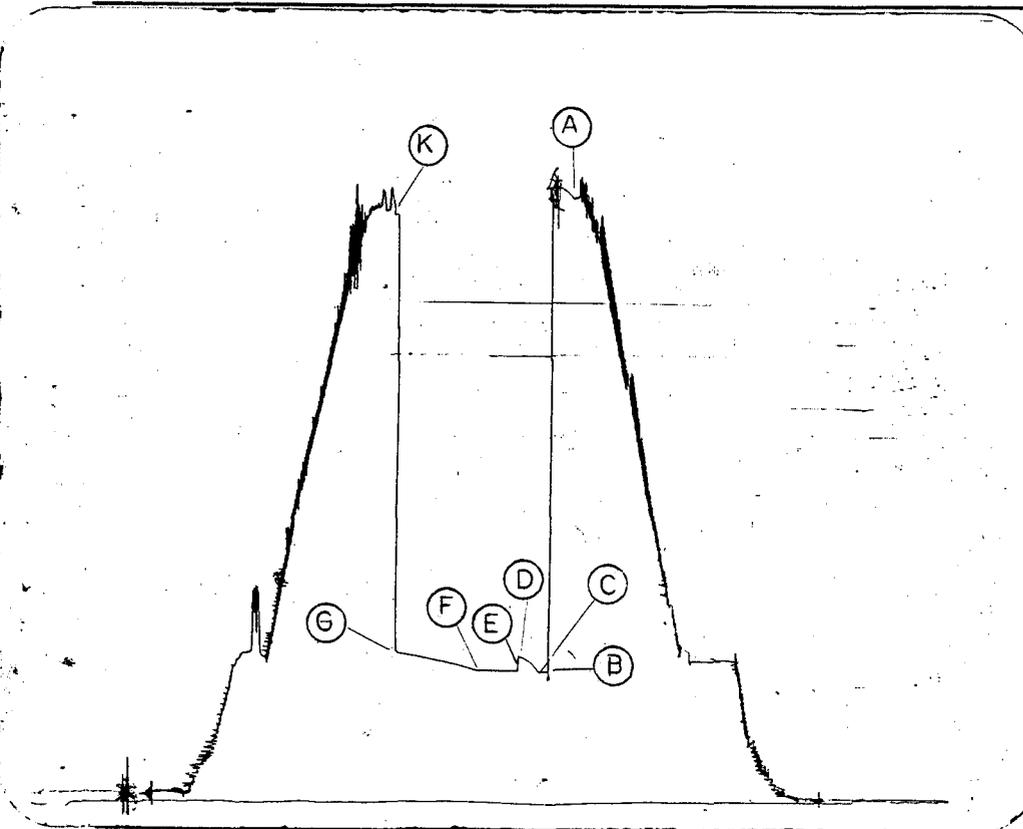
Tool opened @ 5:00 AM

Inside Recorder

PRD Make Kuster AK-1
 No. 10239 Cap. 7900 @ 12793'

	Press	Corrected
Initial Hydrostatic	A	6088
Final Hydrostatic	K	5957
Initial Flow	B	1275
Final Initial Flow	C	1279
Initial Shut-in	D	1436
Second Initial Flow	E	1288
Second Final Flow	F	1286
Second Shut-in	G	1460
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, Wy.
 Our Tester: Charles Tuzicka
 Witnessed By: Birl Lynch



Operator **The Anschutz Corp.**
 Well Name and No. **Anschutz Ranch #34-2**
 Address **See Distribution**
 Ticket No. **20687**
 Date **3-7-80**
 No. Final Copies **10**
 DST No. **3**

Did Well Flow - Gas no Oil no Water no
 RECOVERY IN PIPE: 2805' Total Fluid (Test was reverse circulated)
2800' Water Cushion with 55 gallons ammonia and 25 gallons inhibitor = 43.37 bbl.
5' Mud = .03 bbl.
(Ran 2800' Water Cushion with 55 gallons ammonia and 25 gallons inhibitor)
 Bottom Sample R.W.: 3.0 @ 80° F = 1600 ppm. chl.

Blow Description:

1st Flow: Tool opened with a very weak blow, died in 4 minutes, began a weak blow in 8 minutes, died in 12 minutes and remained thru flow period.

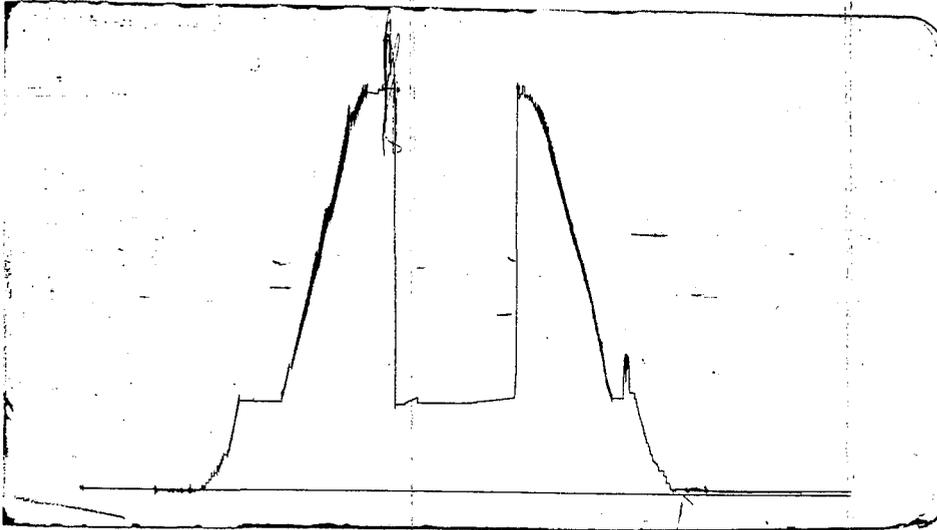
2nd Flow: Tool opened with no blow and remained thru flow period.

LYNES, INC.

The Anschutz Corp.
Operator

Anschutz Ranch #34-2
Well Name and No.

3
DST No.



Inside Recorder

PRD Make Kuster K-3
No. 17856 Cap. 7000 @ 12780'

	Press	Corrected
Initial Hydrostatic	A	6080
Final Hydrostatic	K	5949
Initial Flow	B	1267
Final Initial Flow	C	1272
Initial Shut-in	D	1429
Second Initial Flow	E	1282
Second Final Flow	F	1280
Second Shut-in	G	1436
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--
Pressure Below Bottom Packer Bled To		

PRD Make _____
No. _____ Cap. _____ @ _____

	Press	Corrected
Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	
Pressure Below Bottom Packer Bled To		

WELL NAME: ANSCHUTZ RANCH 34

DST NUMBER: 003

RECORDER NUMBER: 010239

INTERVAL TESTED: 12770FT TO 12880FT

RECORDER DEPTH: 12793.000FT

TOTAL FLOW TIME: 15.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	1279.0
1.0	16.0000	1283.0
2.0	8.5000	1290.0
3.0	6.0000	1297.0
4.0	4.7500	1303.0
5.0	4.0000	1313.0
6.0	3.5000	1322.0
7.0	3.1429	1330.0
8.0	2.8750	1337.0
9.0	2.6667	1342.0
10.0	2.5000	1351.0
12.0	2.2500	1365.0
14.0	2.0714	1377.0
16.0	1.9375	1386.0
18.0	1.8333	1394.0
20.0	1.7500	1401.0
22.0	1.6818	1408.0
24.0	1.6250	1415.0
26.0	1.5769	1422.0
28.0	1.5357	1429.0
30.0	1.5000	1436.0

Both shut-in pressure build-up curves have insufficient character to permit the use of a Horner plot to determine reliable extrapolated shut-in pressures.

WELL NAME: ANSCHUTZ RANCH 34-2

DST NUMBER: 003

RECORDER NUMBER: 010239

INTERVAL TESTED: 12770FT TO 12880FT

RECORDER DEPTH: 12793.000FT

TOTAL FLOW TIME: 75.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	1286.0
1.0	76.0000	1287.0
2.0	38.5000	1288.0
3.0	26.0000	1289.0
4.0	19.7500	1291.0
5.0	16.0000	1294.0
6.0	13.5000	1296.0
7.0	11.7143	1298.0
8.0	10.3750	1299.0
9.0	9.3333	1301.0
10.0	8.5000	1303.0
12.0	7.2500	1307.0
14.0	6.3571	1311.0
16.0	5.6875	1315.0
18.0	5.1667	1319.0
20.0	4.7500	1323.0
22.0	4.4091	1327.0
24.0	4.1250	1330.0
26.0	3.8846	1333.0
28.0	3.6786	1337.0
30.0	3.5000	1341.0
40.0	2.8750	1357.0
50.0	2.5000	1371.0
60.0	2.2500	1384.0
70.0	2.0714	1399.0
80.0	1.9375	1414.0
90.0	1.8333	1427.0
100.0	1.7500	1439.0
110.0	1.6818	1450.0
120.0	1.6250	1460.0

HORNER PLOT

TEST DATE: 03 07 80

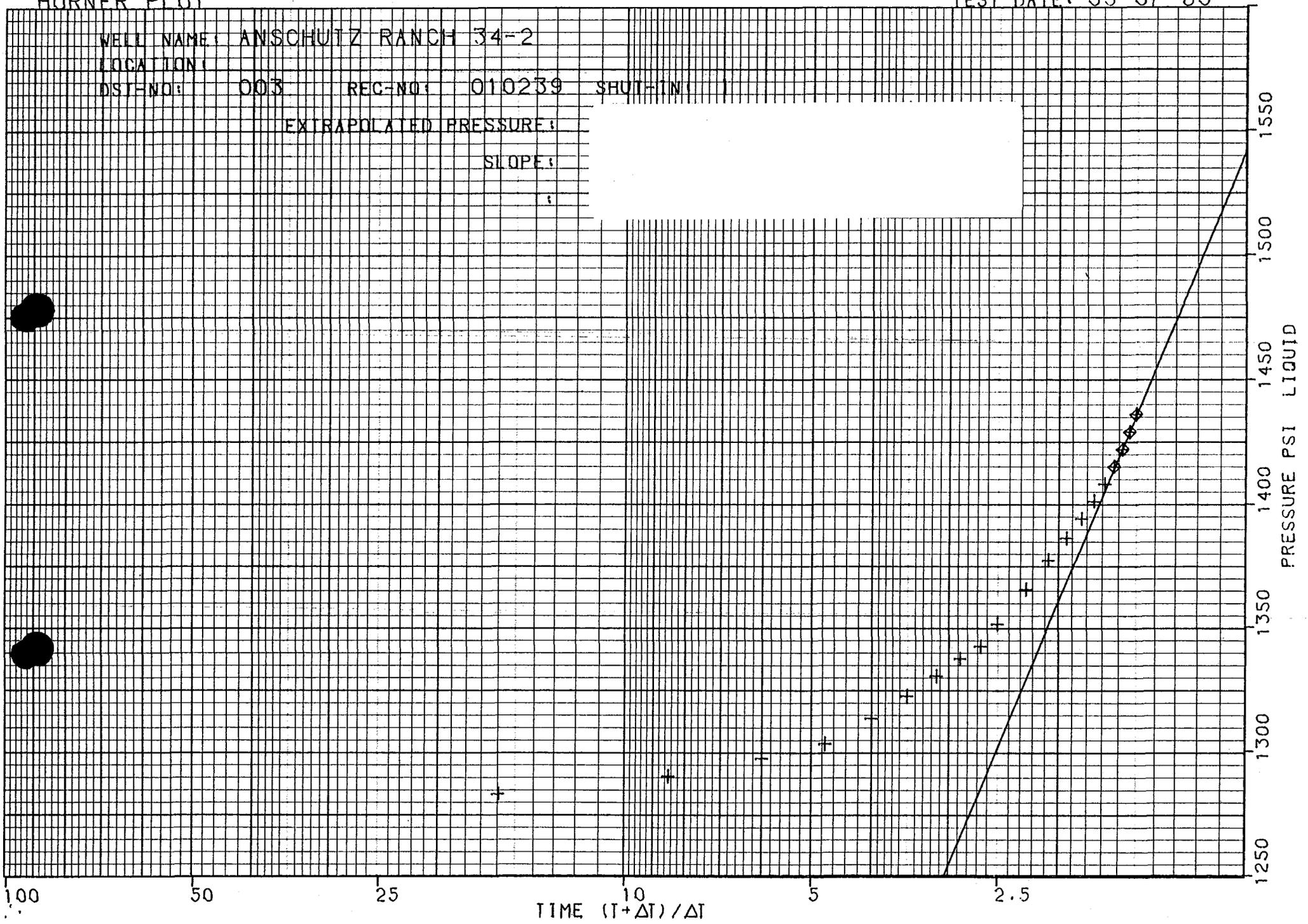
WELL NAME: ANSCHUTZ RANCH 34-2

LOCATION:

DST-NO: 003 REC-NO: 010239 SHUT-IN: |

EXTRAPOLATED PRESSURE:

SLOPE:



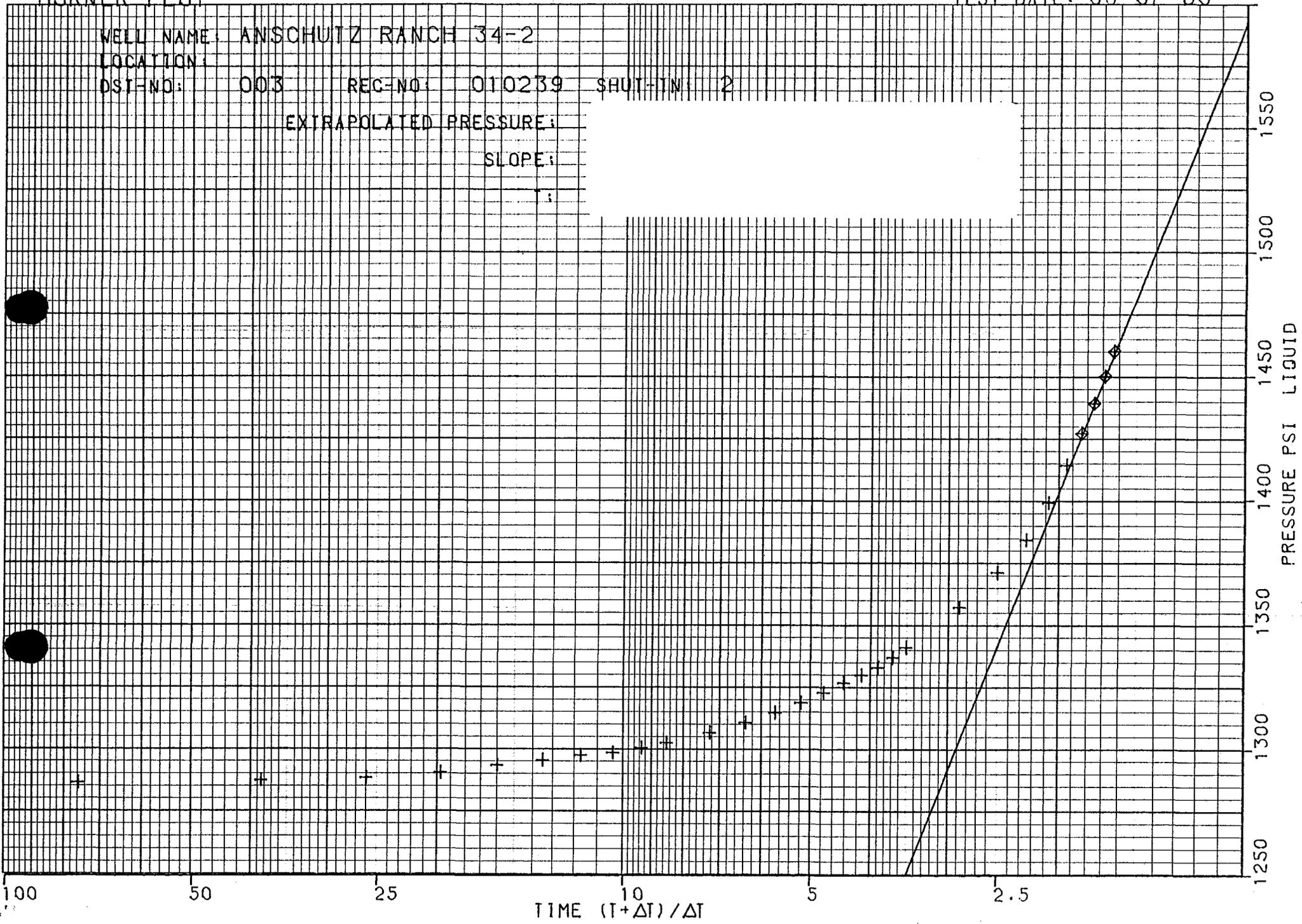
HORNER PLOT

TEST DATE: 03 07 80

WELL NAME: ANSCHUTZ RANCH 34-2
LOCATION:
DSI-NO: 003 REC-NO: 010239 SHUT-IN: 2

EXTRAPOLATED PRESSURE:

SLOPE:



LYNES, INC.

Sampler Report

Company The Anschutz Corp. Date 3-7-80
Well Name & No. Anschutz Ranch #34-2 Ticket No. 20687
County Summit State Utah
Test Interval 12770-12880' DST No. 3

Total Volume of Sampler: 2150 cc.

Total Volume of Sample: 1000 cc.

Pressure in Sampler: 15 psig

Oil: None cc.

Water: None cc.

Mud: 1000 Slightly Gas Cut cc.

Gas: -- cu. ft.

Other: None

Sample R.W.: 2.0 @ 75° F = 2750 ppm. chl.

Resistivity

Make Up Water R.W.: 9.0 @ 75° F of Chloride Content 550 ppm.

Mud Pit Sample R.W.: 4.0 @ 80° F of Chloride Content 1200 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

LYNES, INC.

Distribution of Final Reports

Operator The Anschutz Corporation Well Name and No. Anschutz Ranch #34-2

Original &

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1 copy: Ron Janc, Consulting Geologist, 6946 West 14th Ave., Lakewood, Co. 80213

2 copies: Champlin Petroleum P.O. Box 1257, Englewood, Co. 80110

1 copy: Division of Oil, Gas & Mining, 1588 W. North Temple, Salt Lake City,
Utah 84116



**REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY**

Anschutz Oil Corporation
COMPANY

Wildcat #34-2
WELL NAME

Summit County, Utah
LOCATION

JOB NUMBER

RM580-S0774

TYPE OF SURVEY

Multi Shot
Tied into Sperry Sun
survey at 11700'.

DATE

5-3-80

SURVEY BY

Robert M. Fant

OFFICE

Rocky Mountain

ANSCHUTZ OIL CORP.
JOB RM580-S/774
WILDCAT #34-2

DATE 5-3-80

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		DOG LEG SEVERITY DEG/100FT
11700.	9 15	S 85 E	11675.70	53.91 S	528.92 E	0.0
11712.	9 15	N 86 E	11687.54	53.93 S	530.85 E	12.0
11806.	10 0	N 84 E	11780.22	52.56 S	546.50 E	0.9
11900.	10 15	N 85 E	11872.75	50.97 S	562.94 E	0.3
11994.	10 45	N 84 E	11965.18	49.33 S	579.99 E	0.6
12088.	10 30	N 83 E	12057.56	47.37 S	597.20 E	0.3
12182.	11 0	N 85 E	12149.91	45.54 S	614.64 E	0.7
12276.	11 0	N 85 E	12242.18	43.97 S	632.51 E	0.0
12370.	11 15	N 84 E	12334.41	42.24 S	650.56 E	0.3
12464.	11 15	N 83 E	12426.61	40.16 S	668.78 E	0.2
12558.	11 0	N 85 E	12518.84	38.26 S	686.82 E	0.5
12652.	10 0	N 87 E	12611.26	37.07 S	703.90 E	1.1
12746.	9 30	S 85 E	12703.90	37.35 S	719.82 E	1.5
12840.	9 0	S 85 E	12796.68	38.66 S	734.86 E	0.5
12934.	9 15	S 72 E	12889.48	41.63 S	749.44 E	2.2
13028.	8 45	S 72 E	12982.32	46.17 S	763.42 E	0.5
13122.	9 0	S 72 E	13075.20	50.65 S	777.22 E	0.3
13216.	9 30	S 74 E	13167.97	55.07 S	791.66 E	0.6
13310.	10 0	S 76 E	13260.61	59.19 S	807.04 E	0.6
13404.	10 0	S 74 E	13353.18	63.42 S	822.81 E	0.4
13498.	10 0	S 74 E	13445.75	67.92 S	838.50 E	0.0
13592.	10 0	S 72 E	13538.32	72.69 S	854.11 E	0.4
13686.	9 45	S 72 E	13630.93	77.68 S	869.46 E	0.3
13780.	10 30	S 69 E	13723.46	83.19 S	885.03 E	1.0
13874.	10 30	S 70 E	13815.88	89.19 S	901.08 E	0.2
13968.	10 45	S 69 E	13908.27	95.26 S	917.31 E	0.3
14062.	11 0	S 69 E	14000.58	101.62 S	933.87 E	0.3
14156.	11 15	S 72 E	14092.82	107.67 S	950.97 E	0.7
14250.	12 15	S 74 E	14184.84	113.27 S	969.27 E	1.1
14344.	11 45	S 77 E	14276.79	118.16 S	988.19 E	0.9

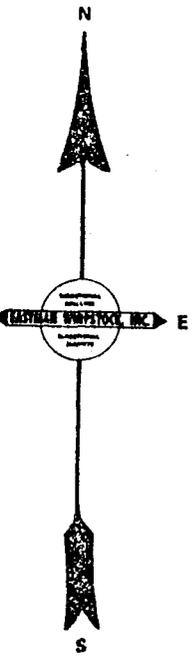
MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	DOG LEG SEVERITY DEG/100FT
14438.	10 45	S 76 E	14368.98	122.44 S 1006.02 E	1.1
14532.	10 30	S 80 E	14461.36	126.04 S 1022.96 E	0.8
14626.	9 45	S 76 E	14553.89	129.48 S 1039.13 E	1.1
14720.	9 0	S 78 E	14646.64	132.92 S 1054.04 E	0.9
14814.	8 45	S 73 E	14739.51	136.55 S 1068.08 E	0.9
14908.	7 30	S 73 E	14832.56	140.43 S 1080.78 E	1.3
15002.	7 30	S 74 E	14925.76	143.92 S 1092.55 E	0.1
15096.	7 30	S 75 E	15018.95	147.20 S 1104.37 E	0.1
15190.	7 0	S 75 E	15112.20	150.27 S 1115.83 E	0.5
15284.	6 45	S 69 E	15205.52	153.74 S 1126.52 E	0.8
15378.	6 45	S 75 E	15298.87	157.16 S 1137.03 E	0.7
15472.	6 30	S 75 E	15392.23	159.96 S 1147.50 E	0.3
15566.	6 30	S 74 E	15485.63	162.81 S 1157.76 E	0.1
15660.	6 45	S 74 E	15579.00	165.80 S 1168.19 E	0.3

FINAL CLOSURE - DIRECTION: S 81 DEGS 55 MINS 19 SECS E
 DISTANCE: 1179.89 FEET

PLAN

EASTMAN WHIPSTOCK, INC.

TVD 15579.00
SOUTH 165.80
EAST 1168.19



500' E

11700

12558

13498

14438

15378

15660

Scale 1" = 100'

S 81° 55' 19" E 1179.89'

JOB NO. RM580-S0774

AIR MONITORING
COMPLETE GAS SERVICE
CONSULTING CHEMISTS
POLLUTION CONTROL
WATER ANALYSIS

SAMPLE NO. 174

DATE RUN: 4/7/81

A SAMPLE OF: WATER FROM ANSCHUTZ CORP. EAST ANSHUTZ FIELD 11AM
SAMPLE FROM: ARE #12-26 15231-367 4/2/81 SEP.

AT: SECURED BY:
SAMPLING CONDITIONS: PRESS: TEMP: TIME: DATE:

WATER ANALYSIS

DISSOLVED SOLIDS

OTHER PROPERTIES

CATIONS	MG/L	ME/L
SODIUM-NA	22127.34	962.54
POTASSIUM-K	1447	37.04
CALCIUM-CA	3408.5	170.08
MAGNESIUM-MG	363	29.84
BARIUM-BA	0	0
TOTAL CATIONS	27345.84	1199.51

PH 5.45
RESISTIVITY(OHM-METERS), 77 F .13

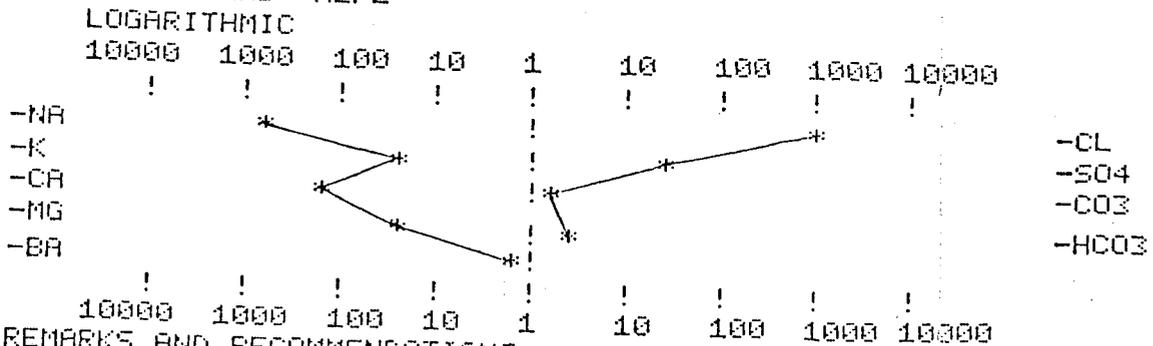
ANIONS

CHLORIDE-CL	41500	1170.3
SULFATE-SO4	1230	25.58
CARBONATE-CO3	0	0
BICARBONATE-HCO3	220.82	3.62
TOTAL ANIONS	42950.82	1199.51

IRON-FE (TOTAL) 0
SULFIDE AS H2S 0

TOTAL DISSOLVED SOLIDS(CALC.)
70296.66

WATER PATTERNS--ME/L



REMARKS AND RECOMMENDATIONS:

COPIES TO: TED HENDRICH
COALVILLE, UT.

ANALYSIS BY: *Dore Haupt*

Perforation Record

18155-18221 4SPF
 17508-17720 "
 17108-17222 "
 16965-17023 "
 15970-15993 "
 15710-15770 "
 15411-15468 "
 15346-15356 "
 15300-15308 "
 15246-15252 "
 15099-15110 "
 14990-14995 "
 14820-14832 "
 14785-14795 "
 14746-14754 "
 14426-14446 "
 13050-13434 *W. 100%*
 12991-12998 "
 12968-12972 *W. 100%*
 12962-12965 "
 12955-12958 "
 12942-12952 "
 12600-12683 } *Ph*
 12382-12410 }
 12332-12354 }
 12274-12307 }
 12194-12216 }
 7581-7585
 7548-7558
 7451-7466
 7423-7433
 7368-7408
 7223-7303
 7172-7198
 7005-7015
 6964-6976
 6920-6940
 6870-6898
 6836-6850
 6808-6830
 6800-6806

N. 7823

Tw Cr

Acidization Record

10,000 gal. 20% HCL
 450,000 SCF N₂
 "
 "
 5000 gal. 15% HCL
 "
 9000 gal. 15% HCL
 5000 gal. 15% HCL
 "
 "
 2000 gal. 15% HCL
 1000 scf/bbl N₂
 6000 gal. 15% HCL
 1000 scf/bbl N₂
 "
 "
 4000 gal. 15% HCL
 8000 gal. 15% HCL 100,000 SCF N₂
 27,000 gal. 15% HCL
 900,000 SCF N₂
 "
 "
 "
 15,000 gal. 15% HCL
 42,000 gal. 15% HCL
 1500 SCF/bbl N₂
 "
 "
 10,000 gal. 20% HCL
 6000 gal Gel
 2500 SCF/bbl N₂
 "
 "
 4500 gal. 15% HCL
 38,000 SCF N₂
 10,000 gal. 15% HCL
 1200 SCF/bbl N₂
 "
 "
 "
 "
 "

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

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR The Anschutz Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 2400 Anaconda Tower 555 17th. St. Denver, Colo 80202		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 1100' FWL 1036' FNL		8. FARM OR LEASE NAME Anschutz Ranch	
14. PERMIT NO. 43-043-30106		9. WELL NO. 34-2	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 7366' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S34-T4N-R7E	
		12. COUNTY OR PARISH Summit	13. STATE Ut.

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

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

8/10-8/30/79	Build location, MIRT, RURT.
8/31/79	Spud.
8/31-9/8/79	Ø to 2010'
9/9-9/22/79	Reaming. Ran 20" 133# K55. Set at 2007'
9/23-9/29/79	Cmt csg w/3550' sx. w/good returns. NU & tested BOP's. Ø 2010'-2493'
9/30/79	Ø 2493'-2766'
10/1-10/6/79	Ø 2894'-3578' 12 1/4" hole
10/7-10/27/79	Ø 3578'-6115'
10/28-10/31/79	Ø 6115'-6400' Logging
11/1-11/24/79	Reaming & opening hole to 17 1/2" (from 0-6400')
	Ran 13 3/8" 72# & 88# csg set @6285' KB. Cmt w/2 stage w/1310 sx. NU 13 5/8" 10,000 psi BOP & tested to 5000 psi.
11/25-11/30/79	Ø 12 1/4" hole 6400'-6678'

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

SIGNED Jim Bundy *Jim Bundy* TITLE Drilling Manager DATE 5/17/80
(This space for Federal or State office use)

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

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

12/1-12/15/79	6678'-7172' Coring #1 6758'-6766' #2 6766'-6776' #3 6776'-6824' #4 7042'-7063' #5 7063'-7098' #6 7145'-7152' #7 7152'-7172'
12/16-12-29/79	Ø 7172'-9106'
12/30-12-31/79	Ø 9106'-9244' Test BOP's to 5000 psi
1/1/80-1/5/80	Ø 9244'-9483' DST #1 9190'-9270'
1/6-1/31/80	Ø 9483'-10,978'
2/1 - 2/16/80	Ø 10,978'-11,700' Logging 11,574'-11,700'
2/17-2/23/80	11,700'-11,912' Ran 9 5/8" csg. Set @11,698'. Cmt w/2040 sx w/2 stages. NU & test BOP stack to 5000 psi.
2/24-2/28/80	11,912'-12515' Ø 8 1/2" hole. Dinwoody @11964' Top of Phosporia @12500'
3/1/80-3/8/80	12515'-12880' Reaming. DST #2 @12412'-12880'
3/9/80-3/15/80	Ø12880'-13191'. Ream 12954'-13056'
3/16-3/29/80	Ø 13191'-14205'
3/30-3/31/80	Cut off 9 5/8" csg. NU. Test BOP's
4/1-4/6/80	Circ. & repr rotary torque. Ø 14205'-14528'
4/7-4/9/80	Trip for logs, chng tools
4/10-4/11/80	Ø 14528'-14648'
4/12/80	Trip
4/13-4/15/80	Ø 14648'-15010'
4/16/80	Mix LCM
4/17/80	Circ for DST
4/18/80	15010' DST #4
4/19-4/21/80	Trip & ream to bottom
4/22/80	Ø 15010'-15073'
4/23/80	TIH
4/24-4/27/80	Ø 15073'-15411'
4/28/80	Ream to bottom
4/29/80	Ø 15411'-15516'
4/30/80	Ø 15516'-15553' PU BHA

September 24, 1980

Anschutz Corporation
555 17th Street
Suite 2400
Denver, Colorado 80202

RE: Well No. Anschutz Ranch East U 8-20, Sec 20, T 4N, R 8E, Summit County.,
RE: Well No. Anschutz Ranch 34-2, Sec 34, T 4N, R 7E, Summit County.,
(April thru August 1980)

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

BARBARA HILL
CLERK TYPIST

/bjh

Enclosures: Forms

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

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. FEE	
2. NAME OF OPERATOR The Anschutz Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 555 17th. St., 2400 Anaconda Tower, Denver, Colo. 80202		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 1100' FWL & 1036' FNL		8. FARM OR LEASE NAME Anschutz Ranch	
14. PERMIT NO. API# 43-043-30106		9. WELL NO. 34-2	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 7366' GL		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.34, 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) <u>Monthly Report of Well</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.)*

Spud: 8/31/79
ETD: 19,000'
Formation Objective: Subthrust

To date:
Drilled to 18,704'. Pipe stuck at that point... jarred, backed off, set cement plug @18,704'. Ran logs. Set cement plug @18,570'. Cemented 9 5/8" csg. from 5500' to surface. Tagged top of cement @16,846'. Tripped in with 5 7/8" tubing. Laid down 2 7/8" tubing. Set CIBP on wireline, run 7" tieback string. Nipple down BOP's, built riser pipe. Ran 7" tieback casing, cemented w/1150 sx. Set slips, started rigging down. Rig released @noon, 10/18/80.
TD: 18,273'.

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

SIGNED James D. Bundy TITLE Drilling Manager DATE 10/27/80

(This space for Federal or State office use)

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

April, 3, 1981

The Anschutz Corporation
555-17th, Street, Suite 2400
Denver, Colorado 80202

Re: Well NO. Anschutz Ranch # ~~44~~ 34-2
Sec. ~~7A~~ N. R. 7E.
Summit County, Utah
(January 1981- March 1981)

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



SANDY BATES
CLERK-TYPIST

ISLAND RANCHING
 Lease Name
 C-1
 Well No.
 1
 Test No.
 9007-9672
 Tested Interval
 ANOCO PRODUCTION COMPANY
 Lease Owner/Company Name
 UTAH

Legal Location Sec. - Twp. - Rng. 24-4N-7E
 Field Area ANSCHUTZ
 County SUMMIT
 State UTAH

FLUID SAMPLE DATA

Date 5-19-81

Sampler Pressure 50 P.S.I.G. at Surface

Recovery: Cu. Ft. Gas .0072

cc. Oil _____

cc. Water 2200

cc. Mud _____

Tot. Liquid cc. _____

Gravity _____ ° API @ _____ ° F.

Gas/Oil Ratio _____ cu. ft./bbl.

RESISTIVITY _____ CHLORIDE CONTENT _____

Recovery Water _____ @ _____ ° F. _____ ppm

Recovery Mud 1.1 @ 71 ° F. 5,500 ppm

Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm

Mud Pit Sample 2.6 @ 50 ° F. 3,000 ppm

Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm

Mud Weight 8.8 vis 48 sec.

Ticket Number 845124

Halliburton Location * ROCK SPRING

Kind of D.S.T. CASED HOLE

Tester GHEKIERE KRUSE

Witness GORDEN FOWLER

Drilling Contractor BRINKERHOFF-SIGNAL # 7 DR

EQUIPMENT & HOLE DATA

Formation Tested Nugget-Twin Creek

Elevation 7493' Ft.

Net Productive Interval 200' Ft.

All Depths Measured From Kelly Bushing

Total Depth 9672' Ft.

Main Hole/Casing Size Casing 7 5/8-Open hole 6 1/2'

Drill Collar Length 868' I.D. 2.25"

Drill Pipe Length 8108' I.D. 2.764"

Packer Depth(s) 9007' Ft.

Depth Tester Valve 8939' Ft.

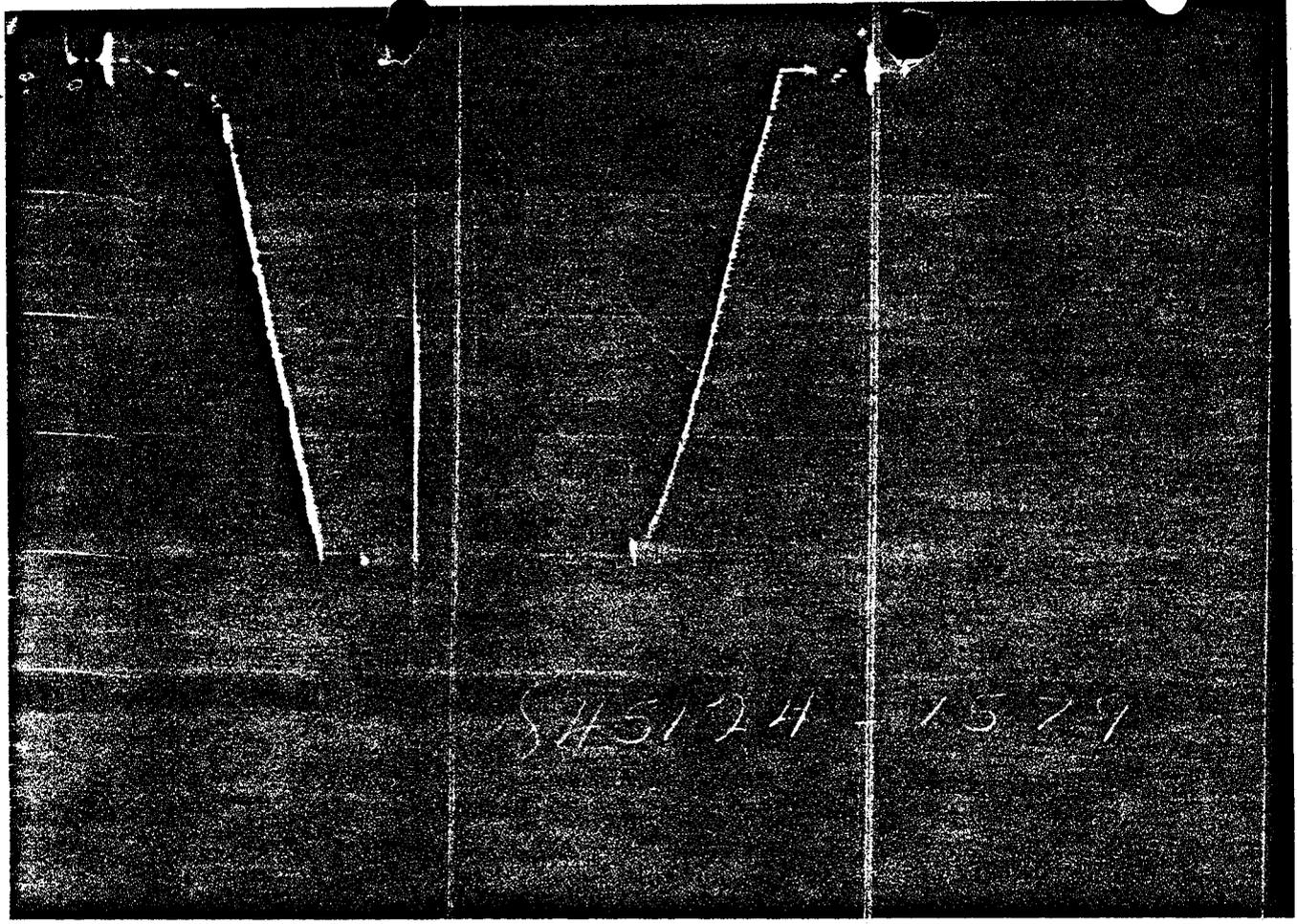
Cushion TYPE AMOUNT Depth Back Surface Bottom Pres. Valve Choke 1/8" Choke .75"

Recovered	1891	Feet of water cut mud
Recovered		Feet of Very slight trace of any gas in all recovery fluid.
Recovered	Feet of	Top 1.1 @ 71°F-5500 PPM Highly water cut mud
Recovered	Feet of	Middle-.84 @ 70°F 7,000 PPM Highly water cut mud
Recovered	Feet of	Bottom .78 @ 62°F 9,000 PPM Highly water cut mud
Recovered	Feet of	Sampler .80 @ 68°F 8,000 PPM Highly water cut mud

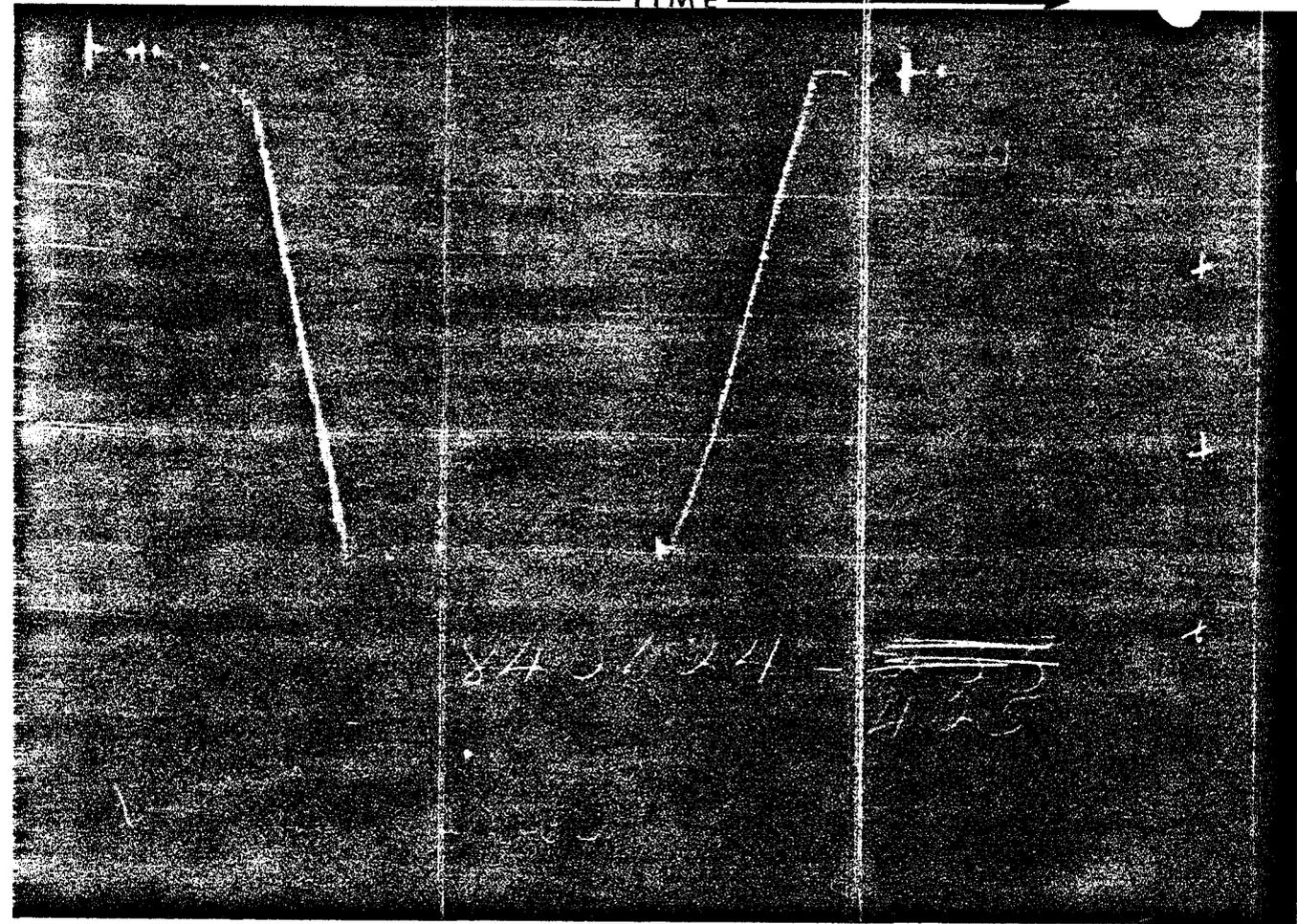
Remarks *-Testing open hole below casing. See production test data sheet

TEMPERATURE	Gauge No. 1579		Gauge No. 425		Gauge No.		TIME (00:00-24:00 hrs.)		
	Depth:	8990 Ft.	Depth:	9019 Ft.	Depth:	Ft.	Hour Clock	Tool	
Est. °F.	Blanked Off NO		Blanked Off YES		Blanked Off		Hour Clock	Opened 6:20	
Actual 194°F.	Pressures				Pressures		Pressures		Opened Bypass 10:30
	Field	Office	Field	Office	Field	Office	Reported	Computed	
Initial Hydrostatic	3967	3958.5	3985	3984.6			Minutes	Minutes	
First Period	Flow Initial	66	111.3	88	140.3				
	Flow Final	284	301.3	285	307.0		10	9	
	Closed in	3269	3281.6	3283	3302.6		60	60	
Second Period	Flow Initial	306	360.2	351	394.7				
	Flow Final	961	949.7	965	964.9		60	60	
	Closed in	3225	3209.6	3239	3232.4		120	121	
Third Period	Flow Initial								
	Flow Final								
Closed in									
Final Hydrostatic	3924	3978.1	3963	4024.1-Questionable					

PRESSURE



TIME



Each Horizontal Line Equal to 1000 p.s.i.

CORE ANALYSIS RESULTS FOR

THE ANSCHUTZ CORPORATION

ANSCHUTZ RANCH #34-2

WILDCAT

SUMMIT COUNTY, UTAH

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

SUBMIT IN TRIPPLICATE*
(Instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5. LEASE DESIGNATION AND SERIAL NO. <p style="text-align: center;">FEE</p>
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 <p style="text-align: center;">The Anschutz Corporation</p>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <p style="text-align: center;">555-17th Street Denver, Colorado 80202</p>		8. FARM OR LEASE NAME <p style="text-align: center;">Anschutz Ranch West</p>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <p style="text-align: center;">1100' FWL, 1036.3 FNL</p>		9. WELL NO. <p style="text-align: center;">34-2</p>
14. PERMIT NO. <p style="text-align: center;">43-043-30106</p>		10. FIELD AND POOL, OR WILDCAT <p style="text-align: center;">Anschutz Ranch West</p>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <p style="text-align: center;">7366 GR</p>		11. SEC., T. R., M., OR BLK. AND SURVEY OR AREA <p style="text-align: center;">NW 1/4 Sec. 34 T4N, R7E</p>
12. COUNTY OR PARISH <p style="text-align: center;">Summit</p>		13. STATE <p style="text-align: center;">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"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input checked="" type="checkbox"/> Convert to water disposal	PULL 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) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <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.)*

Please see attached report and submission.

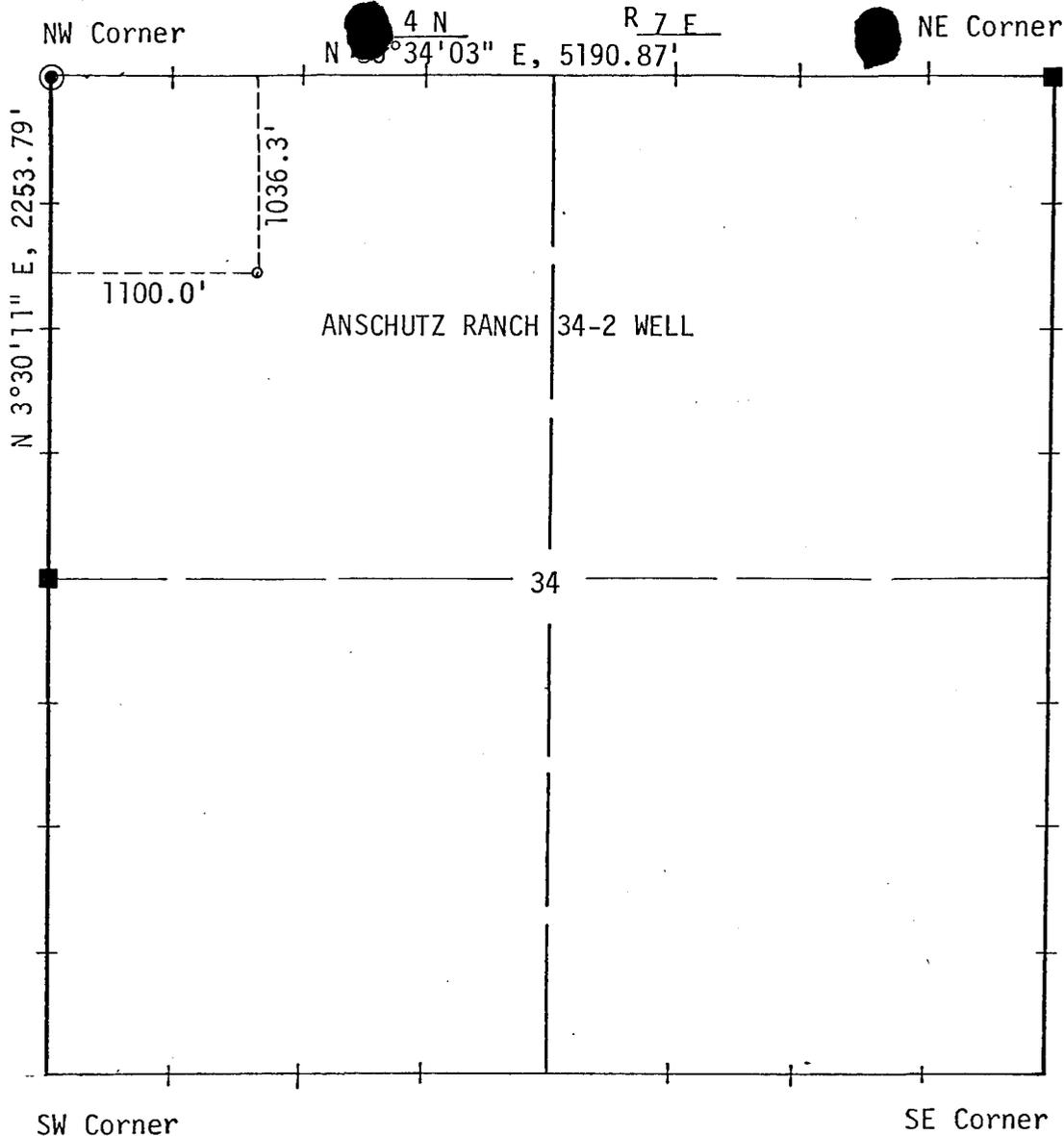
18. I hereby certify that the foregoing is true and correct

SIGNED David Y. Benson TITLE Production Engineer DATE 8/17/81

(This space for Federal or State office use)

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

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Pete Doty of Denver, Colorado for The Anschutz Corporation I made a survey on the 3rd day of July, 1979 for Location and Elevation of the Anschutz Ranch 34-2 Well as shown on the above map, the wellsite is in the NW₄ of Section 34, Township 4 N, Range 7 E of the Salt Lake Base Meridian Summit County, State of Utah, Elevation is 7,460 Feet Top of Nail Datum U.S.G.S. Quadrangle - Castle Rock, Utah Spot Elev. 7722' SW₄SE₄ Sec. 34, T 4 N, R 7 E

Reference point	NW Corner of Pad	7446.0
Reference point	NE Corner of Pad	7520.7
Reference point	SE Corner of Pad	7488.5
Reference point	SW Corner of Pad	7431.2



John A. Proffit 7/6/79
 JOHN A. PROFFIT, UTAH R.L.S. NO. 2860
 UINTE ENGINEERING & SURVEYING, INC.
 808 MAIN STREET, EVANSTON, WYOMING

DATE: 7/6/79
 JOB NO.: 79-20-1



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

Verification and Affidavit

I, David J. Kingston, of lawful age, being first duly sworn on his oath, desposes and says:

That he is employed as a completion engineer by The Anschutz Corporation in the Denver office; and that Anschutz's application for approval of sub-surface disposal operations was prepared under his direction and supervision; that the manners and things therein set forth are true and correct to the best of his knowledge and belief; and that a copy thereof was sent by certified mail from the applicants Denver office on August 22, 1981 to the following affected owners at the addresses listed below:

Gulf Oil Exploration and Production Company
P.O. Box 24100
Oklahoma City, OK 73124

Champlin Petroleum Company
P.O. Box 1257
Englewood, CO 80150

Tom Brown, Inc.
P.O. Box 2608
Midland, TX 79701

Mesa Petroleum Company
1660 Lincoln Street
Suite 2800
Denver, CO 80264

BWAB, Incl.
3300 Anaconda Tower
555-17th Street
Denver, CO 80202

Amoco Production Company
Amoco Building
17th & Broadway
Denver, CO 80202

and to the best of his information, knowledge, and belief, the owners above named are the only owners to whom notice of each application is required to be given in accordance with the General Rules and Regulations of the Division of Oil, Gas, and Mining.

David J. Kingston

Subscribed and sworn before me this 22 day of August 1981.

Notary Public

My Commission Expires Aug. 28, 1984

Commission expiration:

Surrounding Walls

- 3-1
- 34-1
- 34-2
- 33-1
- 27-1
- 27-2
- 128-1
- 1-B372

no communication
Commit to plug from
11910 - 8500

Commit to continued
Maint & testing

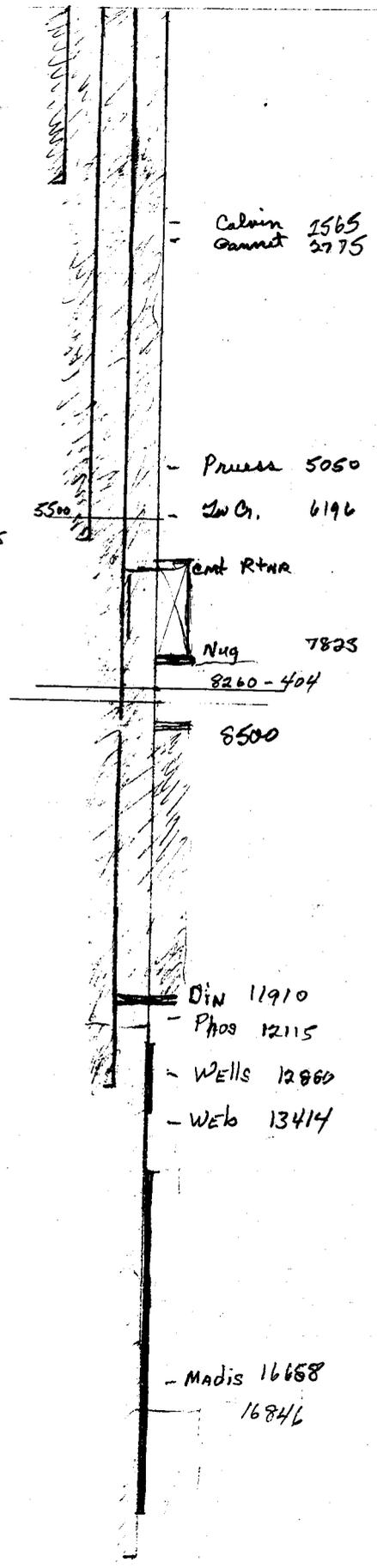
8 1/2" min in other
suggst.

20" @ 2007

13 3/8" @ 6285

7" @ 10793

11 698
9 5/8" @ 13000



model D
packer 8200

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
Anschutz Ranch West

9. WELL NO.
34-2

10. FIELD AND POOL, OR WILDCAT
Anschutz Ranch West

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW1/4 Sec 34 T4N R7E

12. COUNTY OR PARISH
Summit

13. STATE
Utah

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. OIL WELL GAS WELL OTHER Dry Well

2. NAME OF OPERATOR
The Anschutz Corporation

3. ADDRESS OF OPERATOR
555 - 17 Street, Suite 2400, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1100' FWL, 1036.3' FNL

14. PERMIT NO.
43-043-30106

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
7366 GR

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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input 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.)*

1. Perforated intervals are:
6800-6976' (w/4SPF), 7451-66', 7422-33', 7388-7408', 7368-84'.
2. Cast iron bridge plug set at 7900'.
3. Cemented zone from 7800-7900'.
4. Cement retainer set at 7800'.
5. Spot cement from 6700-7800' (cover all perforations).
6. Spot 100' of cement across any casing stub left as a result of cutting and pulling casing.
7. Spot 10 sacks of cement at surface to plug well.
8. Weld a steel plate over surface opening, marked to identify well and location.

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

SIGNED

David Thompson

TITLE

Production Eng.

DATE

7/23/81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



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

RECEIVED
JUL 27 1981

DIVISION OF
OIL, GAS & MINING

July 23, 1981

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

Attention Michael Minder

RE: Proposed Plugging Program of the
Anschutz Ranch West 34-2 Well

Dear Michael:

We have drilled but not completed the Anschutz Ranch West 34-2 well. Since this well does not produce economical amounts of oil or gas, we would like to plug this well and salvage as much equipment as possible from the well.

The plugging program we propose consists of the following general procedures:

1. Spot cement across each perforated interval, including cased intervals 50 feet above and below the perforated interval.
2. Spot 100 feet of cement across any casing stub left as a result of cutting and pulling casing.
3. Spot ~~70~~ ^{50' to surf} sacks of cement at the surface to completely plug the hole.
4. Weld a steel plate over the surface casing opening and mark this to identify the well and location.

Would you please review this program and make any changes that are necessary. If additional information is required, please call me.

Sincerely,
Mark Buckland
Mark Buckland

MB:clg

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
The Anschutz Corporation

3. ADDRESS OF OPERATOR
555-17th Street Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1100' FWL & 1036' FNL
At top prod. interval reported below
@ 8260', 1151.4' FWL & 1053.3' FNL
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Anschutz Ranch West

9. WELL NO.
34-2

10. FIELD AND POOL, OR WILDCAT
Anschutz Ranch West

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NW 1/4 Sec. 34 T4N R7E

14. PERMIT NO. 43-043-30106 DATE ISSUED 7/30/79

12. COUNTY OR PARISH Summit 13. STATE Utah

15. DATE SPUNDED 9/1/79 16. DATE T.D. REACHED 10/2/80 17. DATE COMPL. (Ready to prod.) 10/19/80

18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 7460' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 18704 ✓ 21. PLUG, BACK T.D., MD & TVD 11900 ✓

22. IF MULTIPLE COMPL., HOW MANY* - 23. INTERVALS DRILLED BY T.D. ROTARY TOOLS T.D. CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
FIL-HDT, BHC/GR, O/H VDL, DLL/GR, CNL/FDC

27. WAS WELL CORED yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	133	2007	26"	2550 SX	-
13-3/8"	88-72	6285	17-1/2"	1310 SX	-
9-5/8"	47-53.5	11698	12-1/4"		-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
7"	26-29-32	10793		
7"	32	10793-18324	1500 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
See attachments

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>See attachments</u>	

33.* PRODUCTION

DATE FIRST PRODUCTION N/A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

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

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

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

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 David Kingston TITLE Prod. Engineer DATE 8/24/81

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



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

more
check this application
and 7 return to Halin -
we will all get together and
work out a letter 7

August 21, 1981

RECEIVED
AUG 21 1981

DIVISION OF
OIL, GAS & MINING

Mr. Michael Minder
State of Utah
Division of Oil, Gas, and Mining
1588 West, North Temple
Salt Lake City, Utah 84116

Dear Michael,

The Anschutz Corporation would like to apply for permission to begin subsurface water disposal operations under Rule I-1, Class II, Underground Injection Well, to dispose of Anschutz Ranch East water produced from the Nugget formation.

We would like to dispose of this water in the 34-2 Anschutz Ranch West well, in the Nugget formation.

Anschutz states that the 34-2 Anschutz Ranch West well will be properly cased and cemented in such a manner as to protect all fresh water formations and other producing formations. Water analysis on the injection and formation Nugget water is attached.

Anschutz plans to inject water into the Nugget formation at 8260'-8404' at a rate of 5 bbl/min. The attached verification and affidavit indicates that copies of this proposal have been furnished to all lessees on record within the Anschutz Ranch East field.

Please contact me at 825-6100 if you have any questions or suggestions.

Sincerely,

David J. Kingston
David J. Kingston
Production Engineer



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

August 21, 1981

Mr. Michael Minder
State of Utah
Division of Oil, Gas, and Mining
1588 West, North Temple
Salt Lake City, Utah 84116

RECEIVED
SEP 03 1981

Dear Michael,

DIVISION OF
OIL, GAS & MINING

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Please contact me at 825-6100 if you have any questions or suggestions.

Sincerely,

David J. Kingston
David J. Kingston
Production Engineer

Conversion Program

1. Move in and rig up completion rig.
2. Install 6", 5000# double ram BOP's and hydrill.
3. Set cement retainer at 6750' and squeeze Twin Creek perforation from 7015' - 6800'.
4. Pick up 2-7/8" N-80 6.5#/ft EUE tubing, scraper and mill. Mill out cement retainers, cement and bridge plugs to 8500'. Note: Cement retainers set at 6750' and 7800', cast iron bridge plug set at 7900'. Circulate hole clean with fresh water. Pull out of hole with tubing, scraper and mill.
5. Pick up 5-1/2" casing gun with hyperdome charges and run in hole. Perforate the following intervals with 4 premium shots per foot.
8260' - 8326'
8334' - 8404'
Pull out of hole with casing gun.
6. Run in hole with tubing and a model "D" packer. Set packer at 8050'.
7. Attempt to pump into formation.
8. Acidize with 14,000 gal. of 15% HCL staged with balls of benzoic acid. Limit pump pressure to 5000 psi.
9. Strip off BOP's and hydril and rig down completion unit.
10. Install 5000 psi Christmas Tree.

Injection Program

We wish to dispose of water produced with oil and gas in the Anschutz Ranch East field Nugget formation by injecting it into the Nugget formation in the Anschutz Ranch West 34-2 well.

The program would be set up as follows:

1. Disposal water will be stored in 10,000 bbl tanks at the Anschutz Ranch East production facility.
2. A 4" flowline will be layed from this location to a pump set about 150' from the 34-2 well head.
3. The pump will be rated for ¹⁶⁶⁰2500 psi and 5 bbl per minute which will be the maximum injection pressure and flow rate at the surface.
4. The flowline from the pump to the well head will be 150 feet of 2", schedule 80 tubing.
5. The well head will be a 5000 psi standard trim tree tapped with a 1/4" nipple and female connection.
6. In the well head, 2-7/8" 6.5 lb N-80 EUE tubing will be hung. This tubing will be set at 8050' with a model "D" packer and a cast iron bridge plug will be set at 8500'.
7. We will have perforated the intervals from: 8260' - 8326' and 8334' - 8404' for water injection and all other perforations will have been squeezed off or are sealed from the Nugget formation with bridge plugs.

For the protection of the underground source of drinking water (USDW), which in this area is the Calvin formation, we have a distance of 5048' between the injection zone (Nugget) and the Calvin. We have also set 9-5/8", 47/53.3#/ft, S95/L80 casing at 11,698' to surface and 7" 32/26/29 #/ft, S95/P110/L80 casing at 18,324' cemented to surface.

Water analysis for both disposal and formation water are attached. Our area of review for this well is one-half mile (Sec. D part b.) and we have considered the following wells in our program: 34-2, 33-1, 3-1, 34-1, 128-1. Please see attached plats for relative locations. 27-1, 27-2, 1-B372



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

October 16, 1981

RECEIVED
OCT 31 1981
DIVISION OF
OIL, GAS & MINING

Mr. Michael Minder
State of Utah
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84116

Re: Proposed Injection Well
Anschutz Ranch West 34-2

Dear Michael:

This letter is to confirm our telephone conversation of October 1, 1981 concerning our proposed program to convert the Anschutz Ranch West 34-2 well to a disposal well. In order to prevent any fluids from migrating up the well to the injection fluids down the well bore from the injection zone, we will be filling the seven inch casing with class "G" cement from the cast iron bridge plug set at 11,910 to 8500 feet, 100 feet below the injection perforations.

The neighboring wells, i.e. those within one half mile of the proposed injection well drilled into the Nugget but each, with the exception of the Anschutz Ranch 27-1 well, was plugged back to the Twin Creek. Casing was subsequently run to the bottom of the Twin Creek interval. Table 1, below show the Nugget top, PBDT, and Twin Creek producing interval for each neighboring well.

WELL	NUGGET TOP	PBDT	TWIN CREEK PRODUCING INTERVAL
3-1	7602	7364	6672-7332
28-1	8732	8656	P&A
33-1	8160	7225	P&A
34-1	7954	7596	6981-7571

The Twin Creek producing intervals in these wells have been protected from Nugget waters by cementing back into the Twin Creek and running and cementing casing over the Twin Creek interval.

December 1, 1981

The Anschutz Corporation
Mr. David J. Kingston
2400 Anaconda Tower
555 Seventeenth Street
Denver, Colorado 80202

Re: Well #34-2
Sec. 34, T4N, R7E
Summit County, Utah

Dear Mr. Kingston:

Please be advised that administrative approval has been granted to dispose of produced water into the above mentioned well.

Said approval is, however, conditional upon adhering to the provisions listed below and upon the provisions required under the "Class II Underground Injection Control" program rules and regulations that were adopted November 19, 1981. A copy of those rules are enclosed.

- (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



Michael T. Minder
Petroleum Engineer

MTM/as

Encl:

cc: C. B. Feight



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 12, 1983

The Anschutz Corporation
2400 Anaconda Tower
555 Seventeenth Street
Denver, Colorado 80202

RE: Anchutz Ranch #34-2
Sec. 34, T. 4 N, R. 7 E
Summit County, Utah

Gentlemen:

Our file shows this well was approved as a salt water disposal well in December 1981. The Division has not been receiving monthly disposal reports for this well.

Please provide a well status report and begin sending monthly reports on form UIC-4, if injection is indeed taking place.

If you have any questions, please call.

Sincerely,

DIVISION OF OIL, GAS & MINING

GILBERT L. HUNT
UIC GEOLOGIST

Enclosure

GLH/mn

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

SUBMIT IN TRIPLICATE*
(Other instructions on re-verse side)

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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.)

7. UNIT AGREEMENT NAME

1. OIL WELL GAS WELL OTHER

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
The Anschutz Corporation

Anschutz Ranch East

3. ADDRESS OF OPERATOR
555 17th St., Ste. 2400 Denver, Co. 80202

9. WELL NO.

34-2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

10. FIELD AND POOL, OR WILDCAT

Wildcat

1100' FWL and 1036' FNL

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

Sec. 34 T4N R7E

14. PERMIT NO.
43-043-30106

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7460' GR

12. COUNTY OR PARISH 13. 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

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Well Status Report

(Other)

(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.)*

Operations have been suspended on this well since our last notice (8/17/81) was sent to your office for conversion to a water disposal well.

RECEIVED

MAY 20 1983

DIVISION OF OIL, GAS & MINING

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

SIGNED Mark L. Buckland TITLE Jr. Drilling Engineer DATE 5/18/83

(This space for Federal or State office use)

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



T. G. Doss
District Superintendent

November 29, 1983

Cleon B. Feight
State of Utah
Natural Resources and Energy
4241 State Office Building
Salt Lake City, Utah 84114

File: VEP-664-WF

Application for Water Disposal Well
Well #34-02
Anschutz Ranch
Summit County, Utah

As requested by your office in Rule I, Underground Injection Criteria and Standards (adopted January 29, 1982), the following application for Transfer of Authority to Inject is submitted, in part, for your review. Please find attached the application and attachments available to-date for the 34-02 Water Disposal Well.

Amoco Production Company has reviewed Rule I-9, Underground Injection Criteria and Standards; Transfer of Authority to Inject. Reference is made to the November 28, 1983 telephone conversation between Gill Hunt (Utah Oil, Gas and Mining) and Eric Banks (Amoco Production) where an agreement was reached to submit the application and attachments available to-date for your preliminary review. Upon completion of the well, the cement bond log for the 7" tie-back and the results of injection tests will be submitted to you for final approval of the water disposal permit transfer.

Please direct any questions to Eric W. Banks (307-789-1700) in the Evanston, Wyoming office.

T. G. Doss
District Superintendent

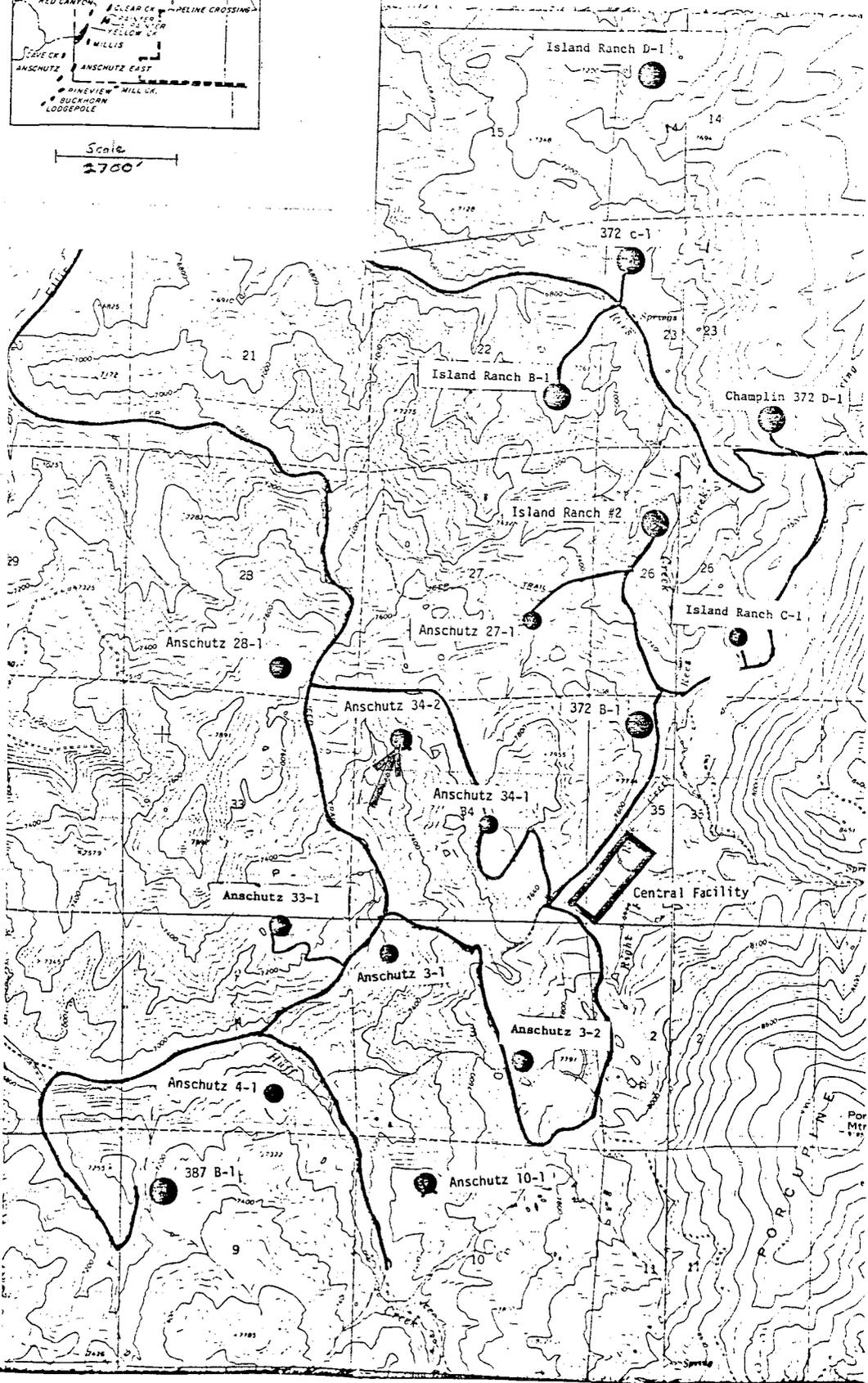
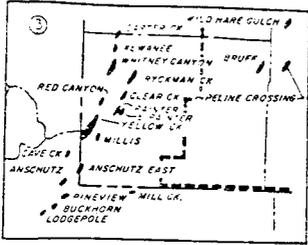
EWB/sh

Attachments

Amoco Production Company

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

RECEIVED
NOV 30 1983
DIVISION OF
OIL, GAS & MINING



Section 34, T14N, R7E, Summit County, Ut.

7482' KB, 7460' GL

Calvin @ 2,565'

Gannet @ 2,775'

Twin Creek @ 6,196'

Nugget @ 7,823'

Ankara @ 8,876'

Thaynes @ 9,900'

Dinwoody @ 11,910'

Phosphoria @ 12,115'

Madison @ 16,665'

Bottom Hole Location - NE 1/4,
NW 1/4, section 34, T14N, R7E
TD 18,704'

20", 133 #/ft,
K-55, SA 2,007'

Tubing: 2 7/8" N-80, 6.5#/ft.,
EUE, to 8,050'

13 3/8", 88#/ft, 72#/ft,
S-95, L-80, SA 6,285'
6,800' perfs squeezed 7,585'

Packer at 8,000'

Perfs: 8,125' - 8,136' (11')
8,186' - 8,218' (32')
8,230' - 8,324' (94')
8,336' - 8,360' (24')
8,372' - 8,404' (32')

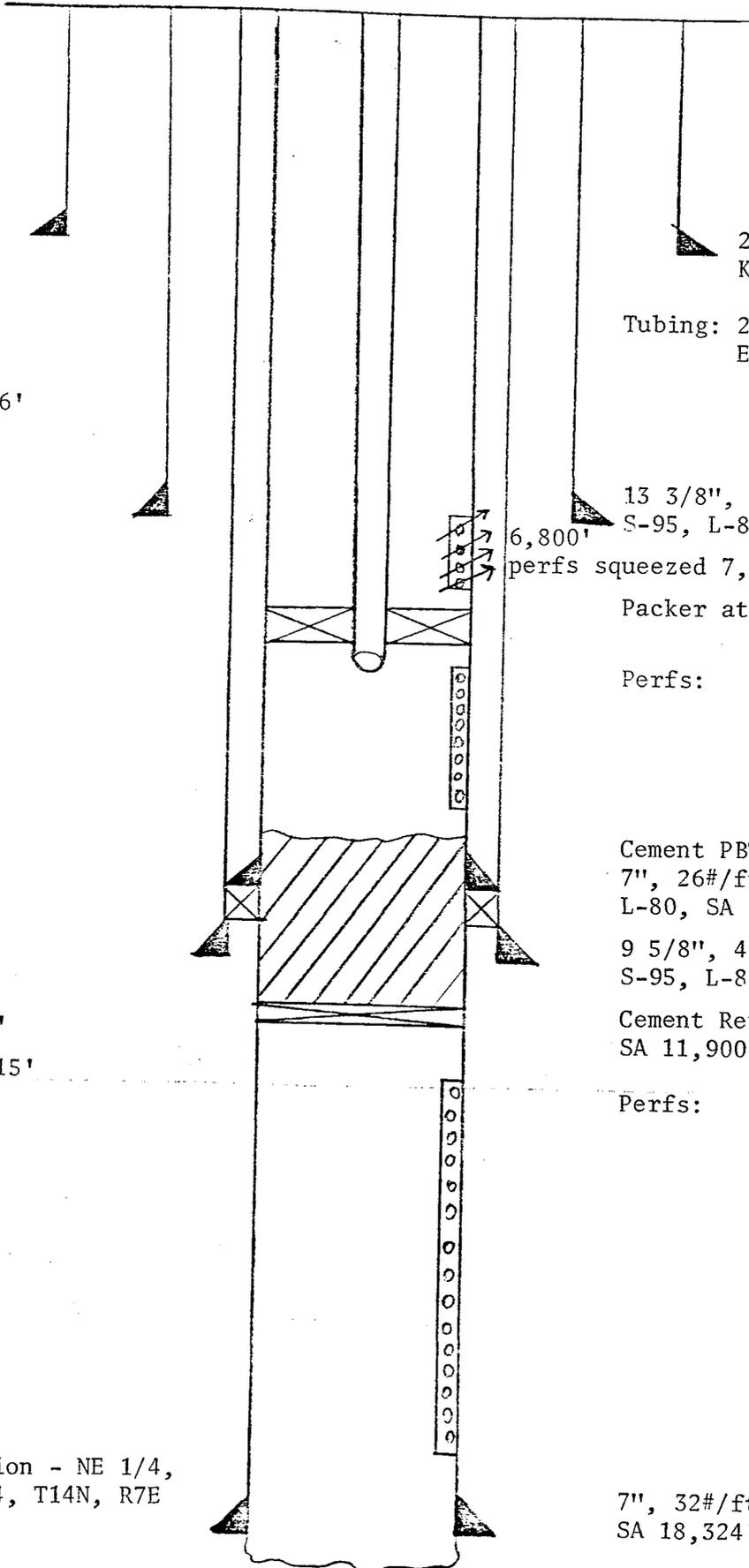
Cement PBTD @ 10,000'
7", 26#/ft, 29#/ft, 32#/ft,
L-80, SA 10,793

9 5/8", 47#/ft, 53 1/2#/ft,
S-95, L-80, SA 11,698'

Cement Retainer
SA 11,900

Perfs: 12,194' - 18,221'

7", 32#/ft, S-95, P-110
SA 18,324'



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

Maximum Injection Pressure	-	3000 psi
Maximum Injection Rate	-	5000 BWPD
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. The sandstone is light brown to pink to white, and fine to medium grained.

Thickness is 1100'

Depth to top is 9548'

Lateral extend is greater than 15 miles

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'

Fracture gradient in the area ranges from .55 psi/ft to .65 psi/ft.

WELL PETROLEUM LABORATORIES
 BOX 331 • 24 HOUR PHONE 307-739-4341 OF 1172
 76 FREEDOM LANE #1 - EVANSTON, WYOMING 82030

GAS ANALYSIS
 OIL ANALYSIS
 CORE ANALYSIS
 WATER ANALYSIS

SAMPLE NO. 2081

DATE RUN: 5/16/83

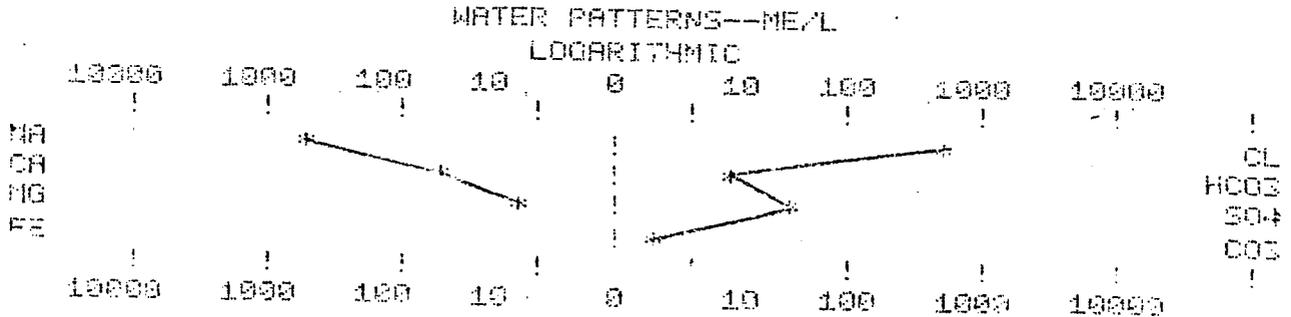
COMPANY: WMOOO PROD CO.
 SAMPLE FROM: ISLAND RANCHING C#1 FILTERED
 FORMATION:

DEPTH:

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

WATER ANALYSIS

CATIONS		MG/L	ME/L	ANIONS		MG/L	ME/L
SODIUM	-NA	7578.12	329.65	CHLORIDE	- CL	1251.00	352.78
POTASSIUM	-K	436.18	11.01	SULFATE	- SO4	258.00	17.55
CALCIUM	-CA	361.40	28.01	CARBONATE	- CO3	0.00	0.00
MAGNESIUM	-MG	82.62	6.73	BICARBONATE	-HCO3	285.00	2.00
				HYDROXIDE	- OH	0.00	0.00
TOTAL CATIONS		8652.24	375.46	TOTAL ANIONS		1251.00	375.46
OTHER PROPERTIES				TOTAL DISSOLVED SOLIDS (TDS) (PPM)			
PH				2.317.24			
RESISTIVITY (OHMS-METERS) @ 25 C				IRON - FE (TOTAL) NOT TESTED			
70 F				SULFIDE AS HS NOT TESTED			



REMARKS AND RECOMMENDATIONS:

COPIES TO:
 SUZIE BALOUGH SLC UTRH

ANALYSIS BY: BCB

APPROVED BY: *Brian C Blayquist*

BELL PETROLEUM LABORATORIES
 BOX 231 * 24 HOUR PHONE 587-755-4013 OR 4173
 75 FREEDOM LANE #1 - EVANSTON, MONTGOMERY 32030

3

GAS ANALYSIS
 OIL ANALYSIS
 CORE ANALYSIS
 WATER ANALYSIS

SAMPLE NO. 2689
 DATE RUN. 5/16/82

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

DATE: 5/5/82 TIME: COUNTY: DEPTH: STATE:

WATER ANALYSIS

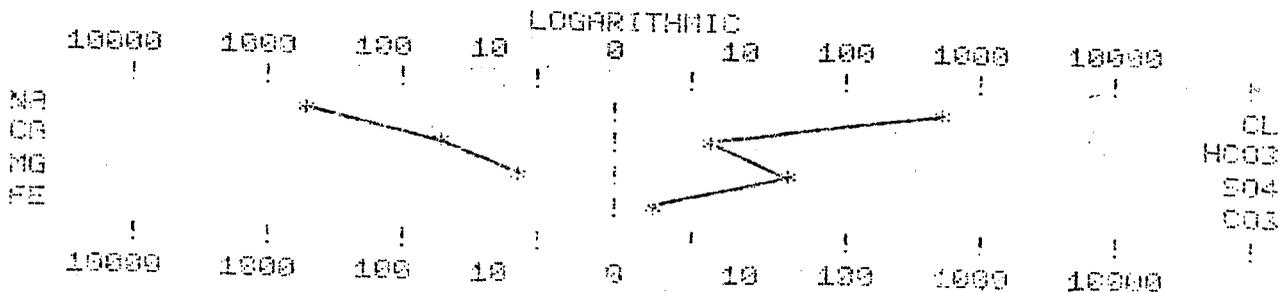
CATIONS	MG/L	ME/L	ANIONS	MG/L	ME/L
SODIUM -NA	7753.23	337.27	CHLORIDE - CL	13328.88	208.95
POTASSIUM - K	430.18	11.91	SULFATE - SO4	392.00	19.72
CALCIUM -CA	581.45	29.91	CARBONATE - CO3	0.00	0.00
MAGNESIUM -MG	82.82	6.79	BICARBONATE -HCO3	198.48	4.48
			HYDROXIDE - OH	0.00	0.00
TOTAL CATIONS	9847.68	384.68	TOTAL ANIONS	13919.36	232.65

OTHER PROPERTIES

PH 6.24
 RESISTIVITY (OHMS-METERS) 70 F 1.38

TOTAL DISSOLVED SOLIDS (CALC.) 27615.80
 IRON - FE (TOTAL) NOT TESTED
 SULFIDE AS H2S NOT TESTED

WATER PATTERNS--ME/L



REMARKS AND RECOMMENDATIONS:

COPIES TO:
 SUEIE BALGUGH SLC UTAH

ANALYSIS BY: BCB

APPROVED BY: *Blaine C. Blayney*

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
Oil, Gas & Mining

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

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

December 7, 1983

Mr. T.G. Doss
District Superintendent
Amoco Production Company
P.O. Box 829
Evanston, WY 82930

Re: Transfer of Ownership
Well # 34-02
Sec. 34, T4N, R7E
Summit County, Utah

Dear Mr. Doss,

The Division has received Amoco's information relative to the notice of transfer of ownership on the above mentioned well.

Please note that Division form DOGM-UIC-7 enclosed, requires signatures of both an Amoco and Anschutz Corporation company representative. Please have the enclosed form signed and forward to the Anschutz Corp. for their signature and return to the Division.

Thank you for your attention to this matter.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in black ink, appearing to read 'Thalia R. Pratt', written over a horizontal line.

THALIA R. PRATT
UIC SPECIALIST

TRP/tp

Enclosure: DOGM-UIC-7 Form

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

SUBMIT **DUPLICATE***
(Other instructions on reverse side)

Z
4

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. OIL WELL GAS WELL OTHER Disposal Well

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
P. O. Box 829 Evanston, Wyoming 82930

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1100' FWL & 1036' FNL

14. PERMIT NO.
43-043-30106

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7460' GR

RECEIVED
MAR 15 1984
DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
Eee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Anschutz Ranch West

9. WELL NO.
34-2

10. FIELD AND POOL, OR WILDCAT
Anschutz Ranch West

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW 1/4 Sec. 34 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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input 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.)*

Perforate Nugget for Disposal Well.

Perf intervals 7998'-8022'/8056'-8084'/8094'-8120'/8124'-8162'/8184'-8220'/8230'-8316'/8336'-8360'/8372'-8404'/8436'-8530'

Packer set at 7900'

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

SIGNED R. Urban TITLE Stf. Admin. Analyst (SG) DATE 3-13-84

(This space for Federal or State office use)

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

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW
 * * * * *

Operator: Amoco Well No. 34-2
 County: Summit T 4N R 7E Sec. 34 API# 43-043-30106
 New Well Conversion Disposal Well Enhanced Recovery Well

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	_____	<u>X</u>
Plat including Surface Owners, Leaseholders, and wells of available record	<u>X</u>	_____
Schematic Diagram	<u>X</u>	_____
Fracture Information	<u>X</u>	_____
Pressure and Rate Control	<u>x</u>	_____
Adequate Geologic Information	<u>x</u>	_____
Fluid Source	<u>570 Twin - Nugget - Produced</u>	
Analysis of Injection Fluid	Yes <u>X</u> No _____	TDS <u>37503</u>
Analysis of Water in Formation to be injected into	Yes <u>X</u> No _____	TDS <u>37503</u>
Known USDW in area	<u>Kslu/n</u>	Depth <u>2565'-2775'</u>
Number of wells in area of review	<u>1</u> Prod. <u>1</u> P&A _____	Water _____ Inj. _____
Aquifer Exemption	Yes _____ NA <u>X</u>	
Mechanical Integrity Test	Yes <u>X</u> No _____	
	Date <u>3/28/84</u> Type <u>Press. Test</u>	<u>300 PSI</u>

Comments: well was permitted in 1981 before primary
was delegated to DDCM, later transferred to Amoco and
additional info. provided.

Reviewed by: [Signature]

INJECTION WELL - PRESSURE TEST

Well Name: ANSCHUTZ RANCH EAST 34-2 API Number: 43-043-30106
 Qtr/Qtr: NW NW Section: 34 Township: 4N Range: 7E
 Company Name: AMOCO PRODUCTION COMPANY
 Lease: State _____ Fee Federal _____ Indian _____
 Inspector: M. HEBERTSON Date: 27-SEPTEMBER-2001

Initial Conditions:

Tubing - Rate: 9350 / DAY Pressure: 975 psi
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1,000</u>	<u>975</u>
5	<u>1,000</u>	<u>975</u>
10	<u>1,000</u>	<u>975</u>
15	<u>1,000</u>	<u>975</u>
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 0 psi
 Casing/Tubing Annulus Pressure: 0/975 psi

COMMENTS: _____

Stan D. Single
 Operator Representative

RECEIVED

APR 11 1984

DIVISION OF OIL
GAS & MINING

RULE 1-9

NOTICE OF TRANSFER OF OWNERSHIP

Classification of Well Transferred: Disposal Well Enhanced Recovery Injection Well

Name of Present Operator Anschutz Corporation

Address 2400 Anaconda Tower, 555 17th Street

Denver, CO 80202

Well Being Transferred:

Name: 34-2

Location: Sec. 34 Twp. 4N Rng. 7E County Summit County

Order No. Authorizing Injection _____ Date _____

Zone Injected into: Nugget Sandstone

Effective Date of Transfer December 8, 1983

Signature _____

Date _____

Name of New Operator Amoco Production Company

Address P. O. Box 829, Evanston, WY 82930

*

T.G. Don

Signature of New Operator _____

4-16-84

Date _____

FOR DOGM USE ONLY

It is acknowledged by the Division of Oil, Gas, and Mining that Amoco Production Company is the new operator of the above-named well and may:

1. continue to inject fluids as authorized by Order No. Letter to Anschutz Corp. dated 12/1/81
2. not inject fluids until after Notice, Hearing, and Approval by the Division

Signature _____

Date _____

4-4-84

FILE IN TRIPLICATE

* This transfer is acknowledged upon signature of an Amoco representative.



Amoco Production Company

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

T. G. Doss
District Superintendent

RECEIVED

April 18, 1984

MAY 1 1984

Gill Hunt
State Of Utah
Natural Resources and Energy
4241 State Office Building
Salt Lake City, Utah 84116

**DIVISION OF OIL
GAS & MINING**

File: VEP-237-986.511/WF

Water Disposal Well Application
Anschutz 34-02 (ARE SWD Well #1)
Anschutz Ranch Field
Summit County, Utah

sec. 34, T4N, R7E

Amoco Production Company hereby submits the final data required under Rule I for existing Class II Underground Injection Wells. Please find attached 1) the final cement bond log, 2) results of the step rate water injection test, 3) data demonstrating that the proposed maximum surface injection pressure will not enable the injected fluid or the formation fluid to enter a USDW, 4) results of the casing integrity test, and 5) a copy of the signed transfer agreement.

Your office previously granted administrative approval for water disposal into the subject well. Further consideration for final operating approval was to follow a review of the information forwarded herein. Amoco Production Company has reviewed Rule I, Underground Injection Criteria and Standards and with the inclusion of these attachments considers the application complete. As always, adequate measures will be undertaken to ensure that contamination of freshwater will not occur and that prudent operating procedures are practiced. Amoco Production Company will monitor and report injection as required in Rule I-7.

Please direct any questions to Eric W. Banks (307-789-1700) in the Evanston, Wyoming office.

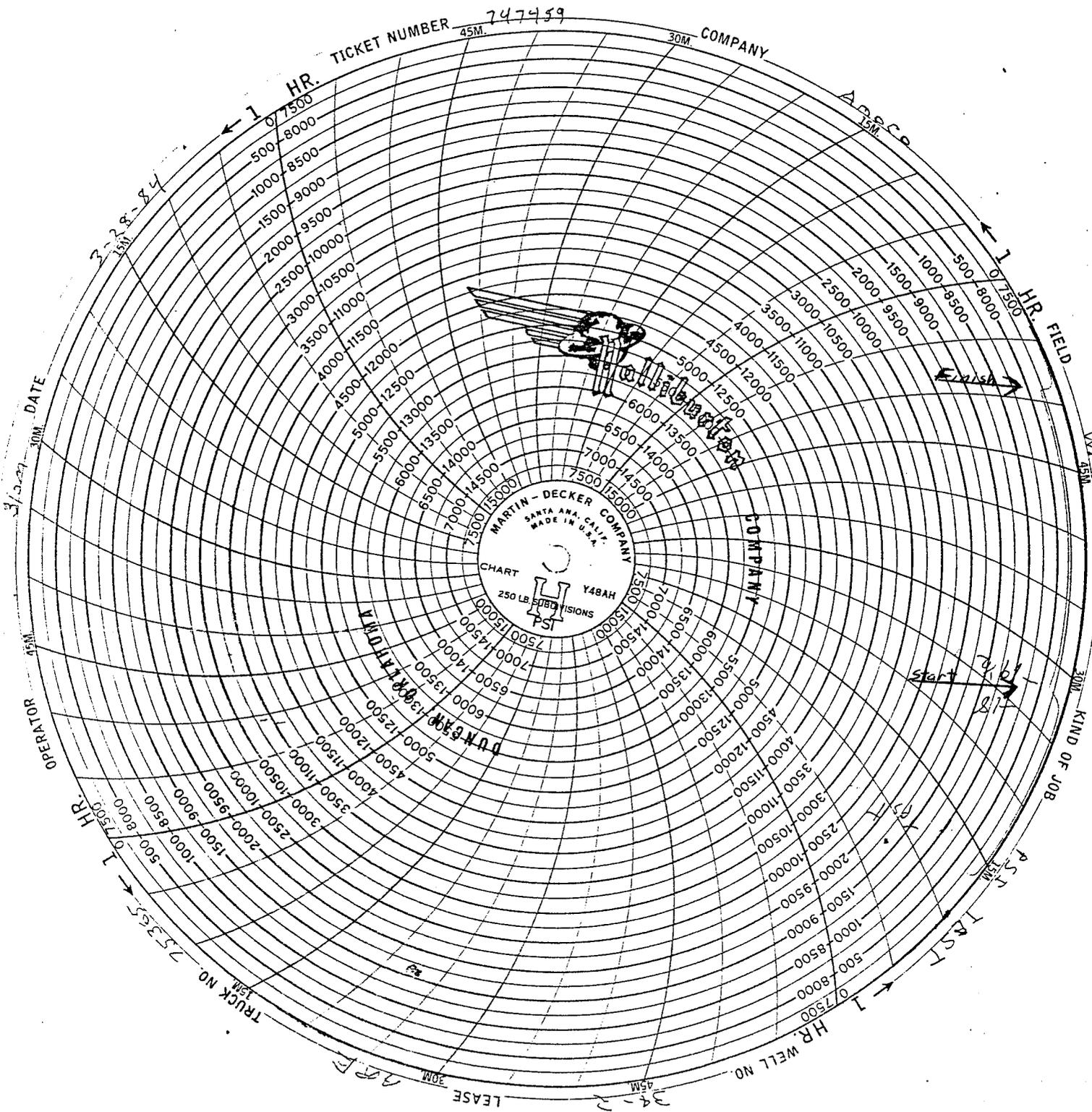
T. G. Doss, vep

T. G. Doss
District Manager

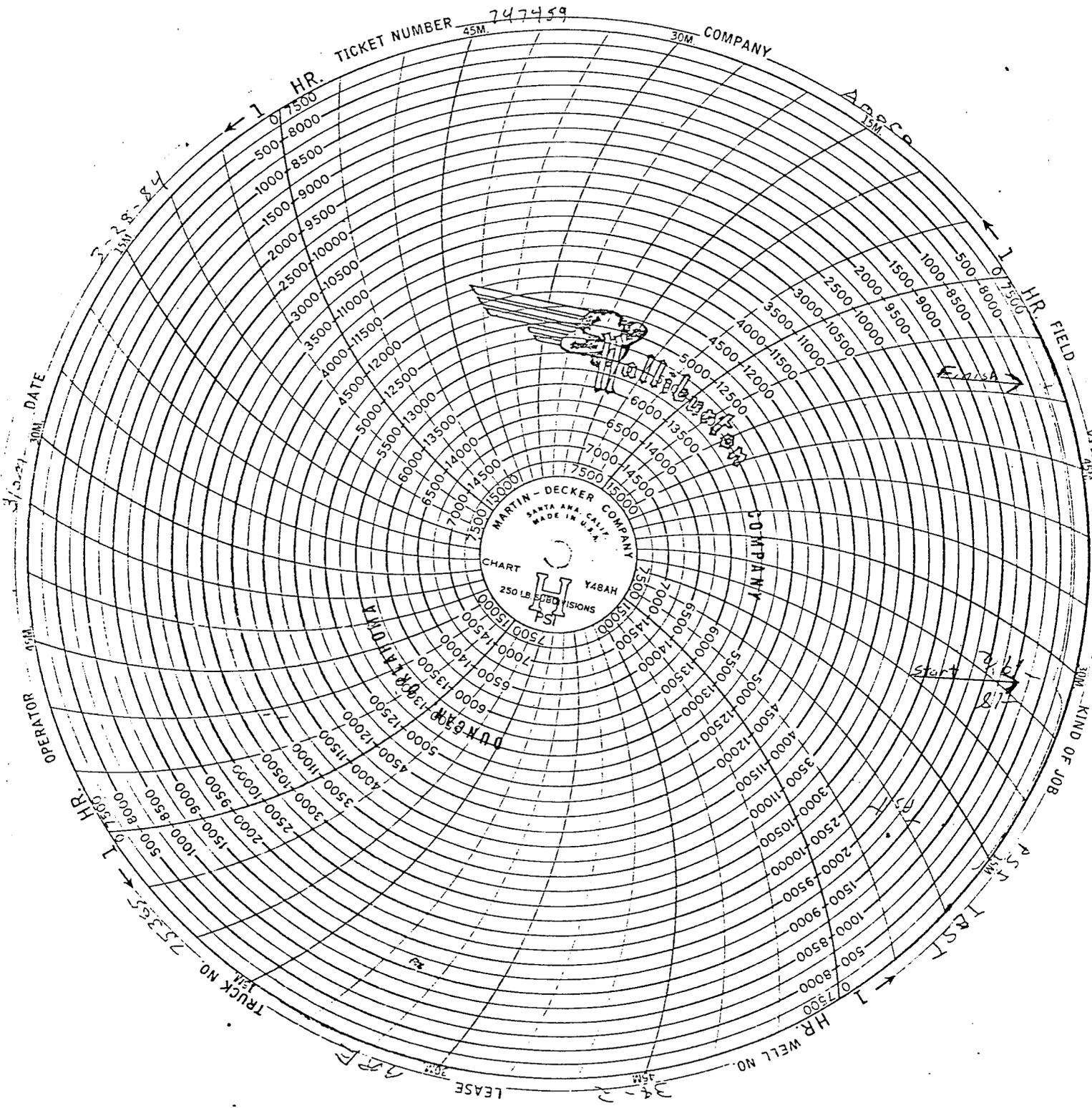
EWB/sh

Attachments

Anschutz 34-2 Pressure test



Anschutz 34-2
Pressure test



Cement Bond Log Evaluation of
Anschutz 34-02 (ARE SWD #1)

In reference to Rule I-5-b-2:

Good bond from 7" casing shoe (11,000') to 9000'

Fair bond from 9000' to 8100'

Good bond from 8100' to 7850'

Fair bond from 7850' to 7600'

Excellent bond from 7600' to 5500' (top of CBL)

Note: The interval perforated for disposal is from 7998' to 8530'

Step Rate Water Injection Test Evaluation
for Anschutz 34-02 (ARE SWD #1)

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

Attached please find the results of the step rate water injection test performed on the subject well. The data indicates a potential for formation fracturing under the previously approved maximum injection pressures and rates. However, as outlined in the attachment referencing Rule I-5-6-4-ii, we do not feel a formation fracture will propagate up into the potential freshwater bearing Kelvin Formation.

Step Rate Injection Test for
Anschutz 34-02 (ARE SWD #1)
3/20/84

<u>Injection Rate (BPM)</u>	<u>Bottom Hole Injection Pressure (PSI)</u>	<u>Surface Injection Pressure (PSI)</u>	<u>Duration of Pressure Interval (min.)</u>
0.5	3700	200	15
1.0	4303	697	15
1.2	4496	890	15
1.5	4662	1056	15
1.7	4639	1033	15
2.0	4598	992	15
2.5	4584	978	15
3.0	4619	1013	15
3.5	4655	1049	15
4.0	4608	1002	15
4.5	4653	1047	15

Confinement Of Potential Formation
Fracturing During Operations
of Anschutz 34-02 (ARE SWD #1)

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

Maximum Injection Pressure	- 2500 psi
Maximum Injection Rate	- 7200 BWPD
Injected Fluid	- Produced Nugget Formation Water
Injection Interval	- 7998' to 8530'

Potential Freshwater Zone:

Kelvin Formation	- 2565' to 2775'
Lateral Extent	- Greater than 15 miles

Based on the attached step rate injection test results, the previously approved maximum injection pressure of 2500 psi at 7200 BWPD may fracture the Nugget Formation disposal interval. Based on the following two factors, however, this fracture is not expected to propagate up into the potential freshwater bearing Kelvin Formation (2565' - 2775'):

- 1) The 400 ft. shale interval, from 4500' to 4900', will exhibit a much higher fracture pressure than will the Nugget sandstone. This increased fracture pressure will provide an effective confining boundary for a potential propagating fracture. The log depicting this shale interval is attached.
- 2) The presence of 5220 ft. of varied lithology, separating the top of the injection zone from the bottom of the freshwater portion of the Kelvin Formation will also act to confine any fractures. This varied lithology includes the limestone and shaly limestone of the overlying Twin Creek Formation as well as the sandstone, siltstone and shaly portions of the younger Gannet Group.

Casing Integrity Test
Anschutz 34-02 (ARE SWD #1)

In reference to Rule I-6-a-4

As per telephone conversation with Mr. Cleon Feight, UIC manager (3/20/84), the casing integrity of the subject well may be proven by holding 300 psi on the backside for 20 minutes. In order to allow Mr. Feight, or a representative from his office to witness the test, his office was notified of our test schedule. Amoco was subsequently given permission to proceed without the state witness.

The casing test was satisfactorily completed, holding 300 psi on the backside for the required 20 minutes. The field chart of the test is attached.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

May 16, 1984

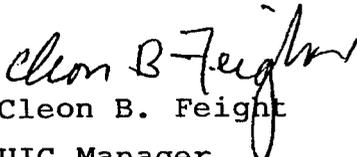
Amoco Production Company
P.O. Box 829
Evanston, Wyoming 82930

RE: Anchutz Ranch 34-2
Section 34, T4N, R7E
Summit County, Utah

Gentlemen:

The authority to use the above referenced well as produced water disposal well is hereby transferred to Amoco Production Company in accordance with Rule I-9 of the General Rules and Regulations. Completion and operation should be conducted as outlined in the approved application.

Truly yours,


Cleon B. Feight
UIC Manager

GH/mfp



Amoco Production Company

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

T. G. Doss
District Manager

July 10, 1984

RECEIVED

JUL 13 1984

Cleon B. Feight
Division of Oil, Gas, and Mining
State of Utah
4241 State Office Building
Salt Lake City, UT 84114

DIVISION OF OIL
GAS & MINING

File: VEP-402-986.511/WF

Water Disposal Well Application
Anschutz 34-02 (ARE SWD #1)
Anschutz Ranch Field
Summit County, Utah

As per Rule I-7 (e), attached is the completed form DOGM-UIC-5, notice of commencement of injection for the subject well.

Please direct any questions to Eric W. Banks (307/789-1700) in the Evanston, Wyoming office.

T. G. Doss

T. G. Doss
District Manager

EWB/sb

Attachment

FORM NO. DOGM-UIC-5
(1981)

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 8414
(801) 533-5771

RULE I-7 (d & e)

NOTICE OF (COMMENCEMENT) (TERMINATION) OF INJECTION
(Circle appropriate heading)

Check Appropriate Classification: _____ Date of Commencement/Termination June 1, 1984

Disposal Well

Enhanced Recovery Injection Well

Enhanced Recovery Project

Well Name Anschutz 34-02

Location: Section 34 Twp. 4N Rng. 7E, County Summit

Order No. authorizing Injection NA Date _____

Zone into Which Fluid Injected Nugget Sandstone

If this is a Notice of Termination of injection, please indicate date well commenced injection. _____

If this is a Notice of Termination of injection, please indicate if well is to be plugged or returned to production; if returned to production, indicate producing interval _____

Operator Amoco Production Company

Address P. O. Box 829 Evanston, WY 82930

T. G. Doss
Signature

July 11, 1984
Date

INSTRUCTION: If this is notification of an enhanced recovery project injection termination, it must be accompanied by an individual well status report for all project injection wells.

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

SUBMIT IN TRIPLICATE*
(On 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. 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 Anschutz Ranch West
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1052' FNL, 1067' FWL NW/4		8. FARM OR LEASE NAME
14. PERMIT NO. 43-043-30106		9. WELL NO. 34-2
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7444' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch - Nugget
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T4N-R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

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

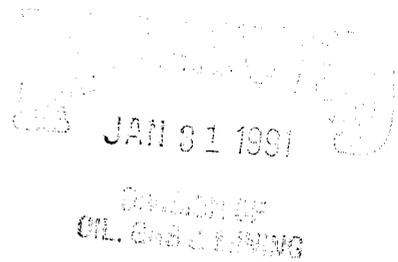
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>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

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. Acidize perforations from 7998' - 8443' w/6002 gals 15% HCL.
2. Displace w/2747 gals produced water.
3. RTI. Workover complete 09/04/90 with 2400 BWIPD @ 1800 psi.

If you require any additional information, please contact Valerie Miller @ (303) 830-5108.


 JAN 31 1991
 DIVISION OF OIL, GAS AND MINING

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

SIGNED F. L. Hampton TITLE Sr. Staff Admin. Supv. DATE 01/29/91
J. L. Hampton / ual

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

Utah Division of Oil, Gas, and Mining
 Casing - ~~Bradenhead East~~
 Pressure Test

Operator: AMOCO ROCKMOUNT COMPANY Field/Unit:
 Well: ANSCHUTZ RANCH 34-02 Township: 04N Range: 07E Sect: 34
 API: 43-043-30106 Welltype: INJD Max Pressure: 3000
 Lease type: FEE Surface Owner: FEE

Test Date: 5/22/91

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
---------------	------	--------	----------	--------------

Surface:	30	2007		
----------	----	------	--	--

Intermediate:	133/8	6285		
---------------	-------	------	--	--

Production:	9 5/8	11698		
-------------	-------	-------	--	--

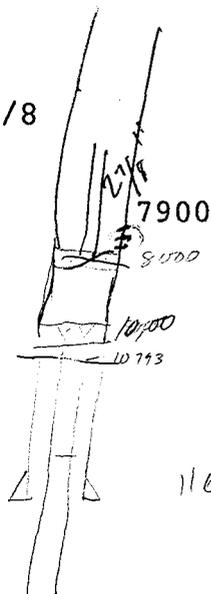
Other:	7	18324		
--------	---	-------	--	--

Tubing:	2 7/8			
---------	-------	--	--	--

Packer:

Recommendations:

*umped 38 BBLs of diesel
 hole was still not full.
 Amoco was going to continue
 on following day and send in
 pressure parts.*



2 7/8" Tubing.

*7" line
 C 10793-18324'*

*PBTD 10000
 Packer AT 8000'*

2000 ft ÷ .3442 ft³/ft = 490 BBLs → fill hole

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Disposal Well		5. LEASE DESIGNATION AND SERIAL NO.																				
2. NAME OF OPERATOR Amoco Production Company		Fee																				
3. ADDRESS OF OPERATOR P. O. Box 800, Rm. 1870, Denver, CO 80201		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1036 1100 1052' FNL, 1067' FWL, NW/4		7. UNIT AGREEMENT NAME Anschutz Ranch West																				
14. PERMIT NO. 43-0043-30106	15. ELEVATIONS (Show whether SP, NT, OR, etc.) 7444' GR	8. FARM OR LEASE NAME																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		9. WELL NO. 34-2																				
<table border="0"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>FULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>		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) <input type="checkbox"/>		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch - Nugget
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) <input type="checkbox"/>																				
		11. SEC., T., R. M., OR BLM. AND SURVEY OR AREA Sec. 34, T4N-R7E																				
		12. COUNTY OR PARISH Summit																				
		13. STATE Utah																				

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 2500 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 the 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: 5-15-91
BY: [Signature]

RECEIVED
JUN 03 1991
DIVISION OF
OIL GAS & MINING

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

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

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

*See Instructions on Reverse Side

Confinement of Injection Fluid
When Injection Above Parting Pressure
Anschutz 34-02 (ARE SWD #1)

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

Maximum Surface Injection Pressure:	3000 psig
Expected Injection Rate at Maximum Injection Pressure:	8300 BWPD

Based on the attached step rate test, the formation parting pressure is 4325 psia. At the requested surface injection pressure of 3000 psia, the bottomhole pressure will be 4600 psia, or 275 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 (0.52 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 275 psi above parting pressure. The low net fracturing pressure also limits the potential for fracture height growth.
3. Approximately 2700' 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 30' salt section that will act as a barrier to fracture propagation.

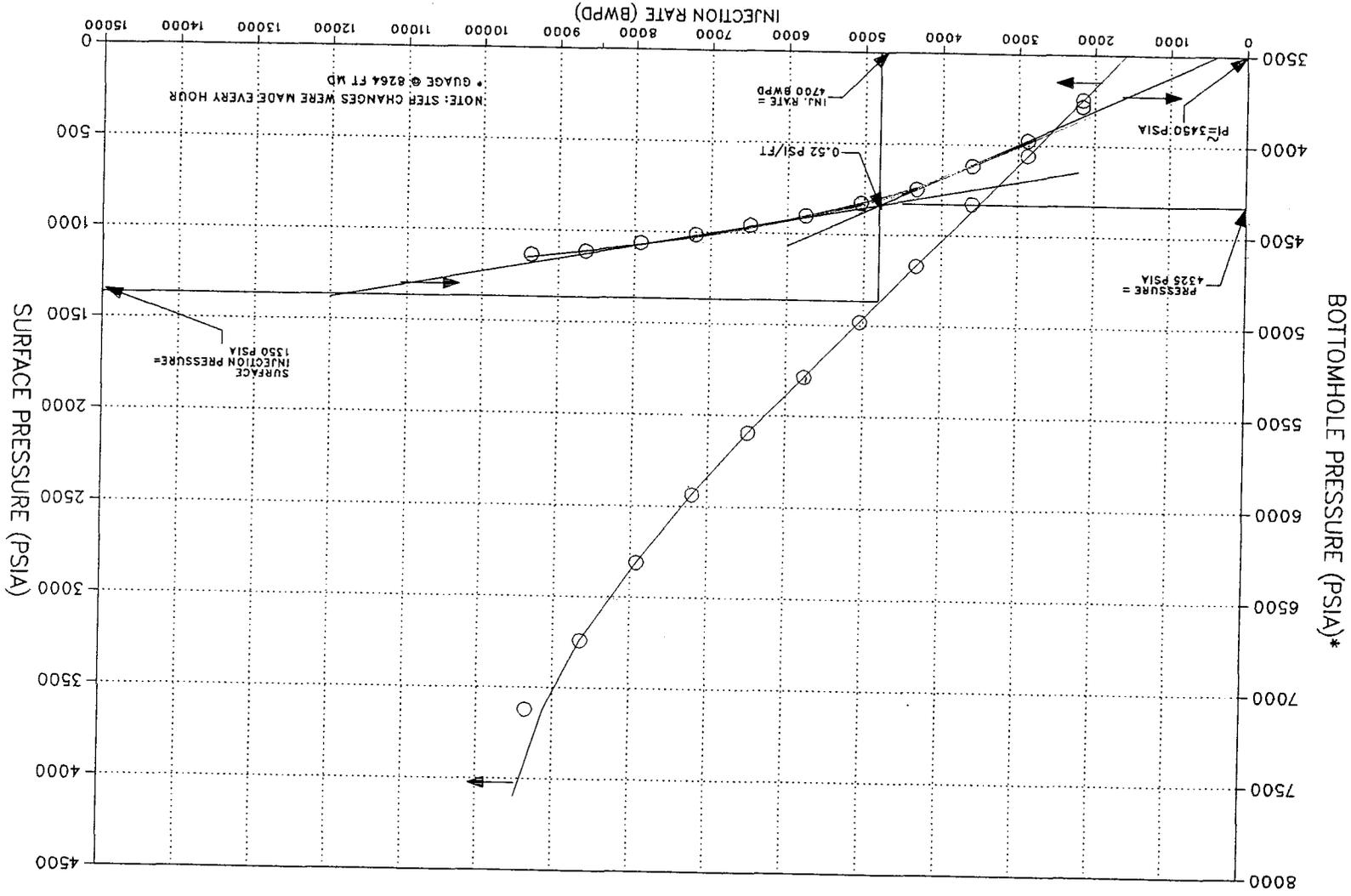
Amoco Production Company
Anschutz Ranch #34-2
1052' FNL X 1067' FWL Section 34-4N-7E, Summit Co., UT

Sub-Cretaceous tops, Lithologies and Isopachs

This is a back flank well with gentle West-Northwest Structural dip.

	<i>Tertiary</i>
2825'	----- Cretaceous-Kelvin (2220')
5045'	----- Jurassic PREUSS - coherent red siltstone, with minor sandstone and shale (1091').
6136'	----- Salt (30'), possible location of fault glide plane.
6166'	----- Shale (30').
6196'	----- Jurassic TWIN CREEK Formation (1632')
	(GIRAFFE CREEK and part of LEEDS CREEK members) - coherent silty, sandy carbonate with few minor shale breaks (414').
6610'	----- (remainder of LEEDS CREEK member) -vertically variable lime-stone, sandstone and shale, with several shale breaks as much as 15-20' thick (335').
6945'	----- (WATTON CANYON member) - shaly limestone with several small (several-foot-thick) shale breaks, becoming cleaner and more homogeneous downward (325').
7270'	----- (BOUNDARY RIDGE member) - shale and siltstone with thin (<10' thick) limestones (86').
7356'	----- (RICH member) - consistent argillaceous limestone with no major shale breaks, bottom 50-100' becomes shalier (309').
7665'	----- (SLIDE ROCK member) - tight limestone with 2 several-foot and 1 ten-foot thick shale breaks (89').
7754'	----- (GYPSUM SPRINGS member) - several anhydrite beds (maximum 8' thick) interbedded with shale, siltstone and limestone (74').
7828'	----- Jurassic NUGGET SANDSTONE - upper 13' tight (< 10% porosity).

ANSCHUTZ 34-2 (ARE SWD WELL NO. 1)
 STEP RATE TEST (2/7/91)



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

SUBMIT 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.)

1. 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. 1870, 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 1100' FWL x 1036' FNL, Sec. 34		8. FARM OR LEASE NAME Anschutz Ranch
14. PERMIT NO. 43-043-30106		9. WELL NO. 34-2
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 7460' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch West
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 34, 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:

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 checked="" 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.)

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 performed the following repairs on the subject well:

- 1) Casing leak was identified following beginning of work.
- 2) Set RBP @ 6717.
- 3) Pumped 10.2 Bbls. of 15.8 # cmt into Twin Creek perms from 6800'-7585'.
- 4) Pressure tested well. At 1500 psi, the well bled down 40 psi in 15 minutes.

Per the conversation between Rick Ross of Amoco Production and Dan Jarvis of the Utah Division of Oil, Gas, and Mining, it was agreed that another cement squeeze was undesirable.

The pressure test charts for the subject well are attached. If you require additional information, please contact Rick Ross at (303) 830-4952.

RECEIVED

AUG 30 1991

DIVISION OF
OIL GAS & MINING

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

SIGNED David J. Hawkins for N. Stanesco TITLE Sr. Staff Admin. Supv. DATE 8/26/91

(This space for Federal or State office use)

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

DOUBLE JACK TESTING & SERVICES, INC.

B.O.P. Test Report

B.O.P. Test Performed on (date) 7-26-91

Oil Company Amoco

Well Name & Number 34-2 43-043-30106

Section 34

Township 4 N

Range 7 E

County Summit Utah

Drilling Contractor _____

Oil Company Site Representative _____

Rig Tool Pusher _____

Tested out of Evanston

Notified Prior to Test Utah

Copies of This Test Report Sent to: _____

Original Chart & Test Report on File at: Amoco Evanston
office

Tested by: Double Jack Testing & Services, Inc.
108 Parkview Road
P.O. Box 2097
Evanston, Wyoming 82930

✓

Double Jack Testing & Services Inc.

FIELD TICKET

P.O. Box 516
 Shoshoni, WY 82649
 (307) 876-9390

05227

DATE

7-26-91

OPERATOR

W. J. [Signature]

DOUBLE JACK REP.

RIG NAME & NO.

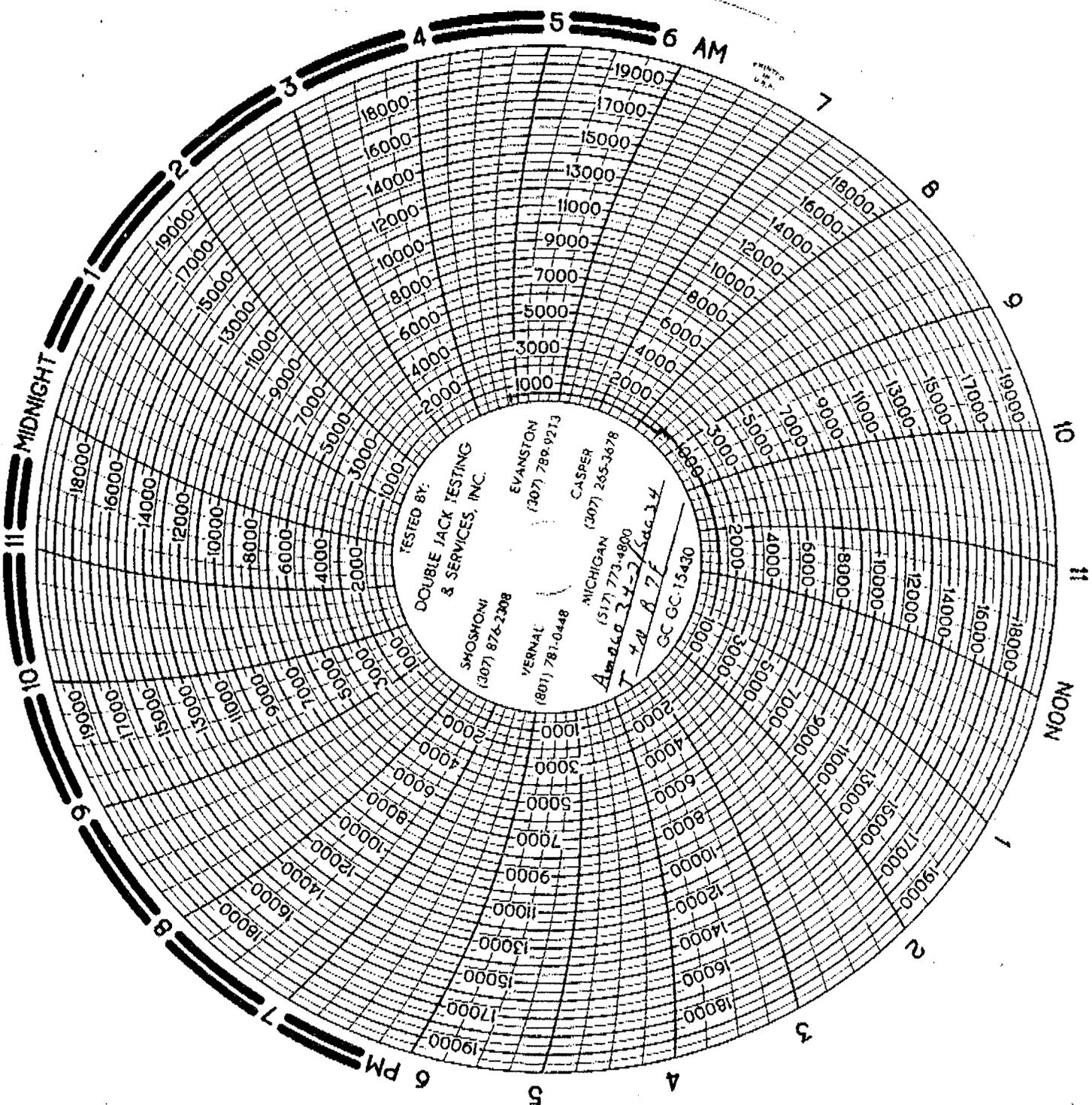
34-2

WELL NAME & NO.

COUNTY, STATE

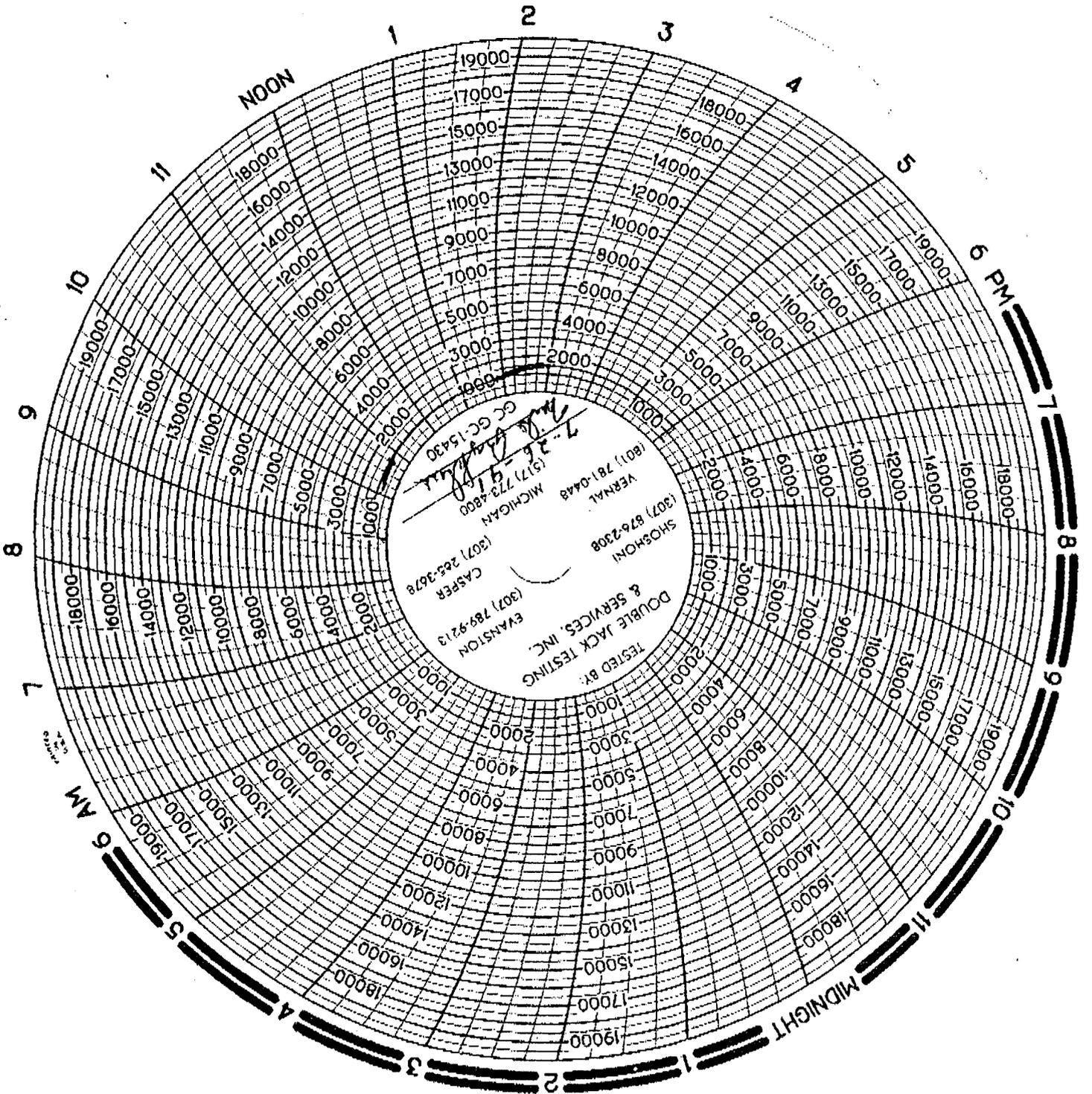
Summit Utah

ITEM NO.	QUAN.	DESCRIPTION	RATE	EXTENSION
1		pressure up to 500 psi hold 15 mins lost 20 psi in 15 mins		
		increased psi to 800 psi for 15 mins lost 25 psi		
		increased psi to 1000 psi for 15 mins lost 30 psi		
		increased psi to 1500 psi for 15 mins lost 40 psi		

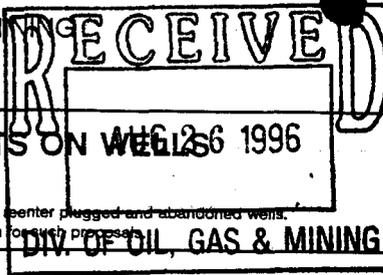


TESTED BY:
 DOUBLE JACK TESTING
 & SERVICES, INC.
 SHOSHONI (307) 878-2208
 EVANSTON (307) 789-9213
 VERNAL (801) 781-0448
 CASPER (307) 265-3678
 MICHIGAN (517) 773-4800
 ALBERTA (403) 242-2546
 44 R 7F Sec 34
 GC GC-15430

PRINTED IN U.S.A.



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



SUNDRY NOTICES AND REPORTS ON WELLS 8/22/96

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

5. Lease Designation and Serial Number:
FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:
Anschutz Ranch East

8. Well Name and Number:
#34-2

9. API Well Number:
43-043-30106

10. Field and Pool, or Wildcat:
Anschutz Ranch- Nugget

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:
Amoco Production Company

3. Address and Telephone Number:
P.O. Box 800 Room 1735E Denver, CO 80201 (303) 830-5399

4. Location of Well
Footages: 1052' FNL x 1067' FWL NW/4
County: Summit
QQ, Sec., T., R., M.: Sec 34 T4N-R7E
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 Mechanical Integrity Test
- 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 performed a Mechanical Integrity Test on the subject well. The well passed.

If you require additional information, please contact Felicia Yuen @ (303) 830-4859.

13. Name & Signature: Raelene Krcil Title: Regulatory Analyst Date: 8/22/96

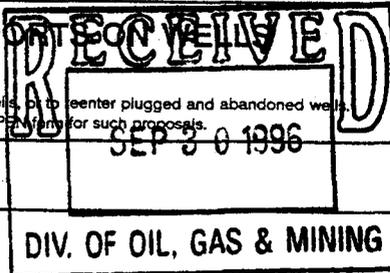
(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:

FEE

SUNDRY NOTICES AND REPORTS



6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:
ANSCHUTZ RANCH EAST

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

1. Type of Well: OIL GAS OTHER:

8. Well Name and Number:
ANSCHUTZ RANCH EAST #34-2

2. Name of Operator:
Amoco Production Company

DIV. OF OIL, GAS & MINING

9. API Well Number:
43-043-30106

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

10. Field and Pool, or Wildcat:
Anschutz Ranch - Nuggett

4. Location of Well
Footages: 1052' FNL x 1067 FWL NW/4
QQ, Sec., T., R., M.: Section 34-T4N-R7E

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

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

Approximate date work will start _____

Date of work completion 9/16/96

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 did the following procedure on the above stated well:

1. Cease intection into the well and allow well to depressure or flowback to disposal facility.
2. MIRUSU. ND Tree. Inspect tree for corrosion damage. NU BOP
3. Trip out of hole laying down tubing.
4. PU pulling tool for Otis Perma Trieve "PW" packer. Pull packer.
5. TIH with bit and scraper and clean out to PBDT.
6. Pick up new tubing and trip in hole with the following BHA:
 Baker 3 1/2 wireline - internally coated
 Baker Big Bore "R3" retrievable packer (bottom sub-coated ID and OD)
 1 Joint 3 1/2", 9.3#/ft, N-80 Vam tubing
 otis "X" nipple (2.313" mid ID) (See attached for additional procedure)

13. Name & Signature: Kristina Lee Title: Regulatory Agent Date: 9/27/96

(This space for State use only)

3½ 9.3# N-80 Vam
Cross over 3½ 9.3# N-80 Vam 4½ 12.6# N-80 8rd.
4½ 12.6 N-80 8rd to surface (internally coated with Duoline)

7. Space out tubing. Pump packer fluid (filtered to 1 micron) and displace to surface
Set packer at 7900'
8. Pressure test annulus to 1500 psi and hold for 15 minutes
- 9 ND BOP. NU tree. Pressure test annulus to 1500 psi and hold for 30 minutes

Please call me at (303) 830-4884 if you require additional information.



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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

May 1, 2001

Gordon Reid Smith
BP America Inc.
Mail Code 2.514 WL-1
501 West Lake Park Blvd.
Houston, Texas 77079

43.043.30106

Re: Clarification of Injection Approval, Anschutz Ranch East 34-2, Section 34, Township 4 North, Range 7 East, Summit County, Utah

Dear Mr. Smith:

The Anschutz Corporation received approval to use the ARE 34-2 well for disposal of produced water on December 1, 1981. This date was prior to the Division of Oil, Gas and Mining (the Division) receiving primacy for the Underground Injection Control (UIC) Program from the U.S. EPA, which was in October 1982. By rule, all operators of existing injection wells at that time were required to submit information similar to that which would be required for attaining a UIC permit. Sometime after 1981, Amoco took over ownership of the well and during the period from November 1983 to May 1984 submitted the additional information required for the UIC Program and ownership transfer which was acknowledged by the Division on April 4, 1984. In summary, the original approval issued to Anschutz Corporation in 1981 was honored and the well treated as an existing injection well at the time of primacy. Thus the Division considers this well as a valid and approved Class II injection well.

According to Utah's Oil and Gas Conservation General Rules-Definitions, a Class II Injection Well is used for the disposal of fluids which are brought to the surface in connection with conventional oil or natural gas production and which may be commingled with wastewater produced from the operation of a gas plant that is an integral part of production operations, unless that wastewater is classified as a hazardous waste at the time of injection.

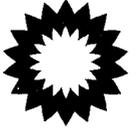
We currently consider the Anschutz Ranch East gas plant and its process water, which is exempt from RCRA hazardous waste management requirements, as an integral part of production operations eligible for injection into a Class II well such as the Anschutz Ranch 34-2.

Hopefully, this information clarifies the injection approval for the Anschutz Ranch 34-2 well. If you would like to discuss this matter further, please call me at 801-538-5297.

Sincerely,

Gil Hunt
Technical Services Manager

bp



501 WestLake Park Boulevard
M/C 2.514
Houston, Texas 77079

Gordon Reid Smith
281-366-7515 (direct)
281-366-7922 (fax)

April 12, 2001

Gil Hunt, UIC Program Director
Utah Division of Oil, Gas and Mining
1594 West North Temple
Suite 1210
Salt Lake City, Utah

RE: Clarification of Fluid Injection Approval – Anschutz 34-2 Well

Dear Mr. Hunt,

In accordance with our telephone conversation yesterday, Amoco Production Company is requesting explicit approval from the Division for injection disposal of gas plant process wastewater in our Anschutz 34-2 Class II disposal well. This well is located in Section 34, T4N, R7E, 6th PM in Summit County, Utah and has API #43-0043-30106.

Although we agree with your position that this approval is discussed in the permit correspondence and implied in the subsequent permit, we would appreciate explicit approval from the Division. This will make the permit file consistent with the Island Ranch C#1 well, which is the companion well in the disposal system for the Anschutz Complex, and avoid any future questions concerning permit completeness.

We do understand that this approval does not include domestic/sanitary wastewaters from the facility and have no intention of injecting these waters.

We appreciate your cooperation in this matter and await your reply. Should you have any questions concerning this request or need further information, please contact me at 281-366-7515 in our Houston office (smithgr1@bp.com).

Sincerely,

A handwritten signature in cursive script, appearing to read "Reid Smith", is written over a horizontal line.

Reid Smith

cc: Mike Villanova – Evanston
Don Mustard - Houston

RECEIVED

APR 18 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		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: Anschutz Ranch East 34-2
3. ADDRESS OF OPERATOR: 1013 Cheyenne Dr.-A CITY Evanston STATE WY ZIP 82930	PHONE NUMBER: (307) 783-2157	9. API NUMBER: 4304330106
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1100' FWL, 1036' FNL		10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW 34 4N 7E		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 (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: <u>9/27/2001</u>			

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
 800-442-2485 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

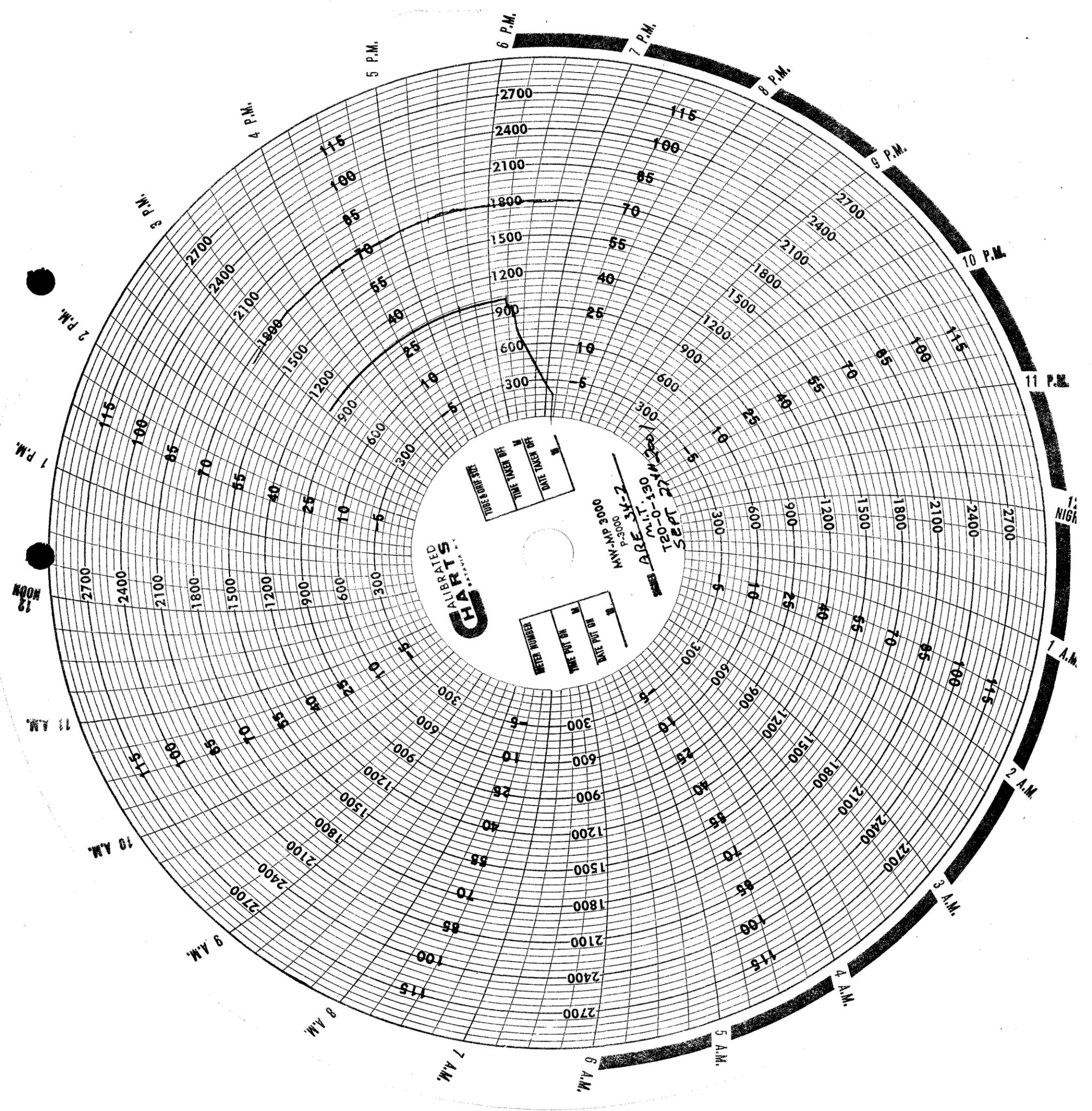
Instrument Specifications

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		

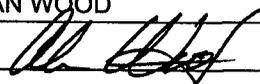


TRANSFER OF AUTHORITY TO INJECT

Well Name and Number ANSCHUTZ RANCH EAST 34-2	API Number 043-30106
Location of Well Footage : 1036 N 1100 W County : SUMMIT	Field or Unit Name Anschutz Ranch
QQ, Section, Township, Range: NWNW 34 4N 7E State : UTAH	Lease Designation and Number

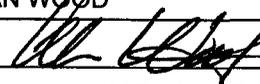
EFFECTIVE DATE OF TRANSFER: 12/31/2001

CURRENT OPERATOR

Company: <u>AMOCO PRODUCTION COMPANY</u>	Name: <u>ALAN WOOD</u>
Address: <u>501 WESTLAKE PARK BLVD</u>	Signature: 
city <u>HOUSTON</u> state <u>TX</u> zip <u>77079</u>	Title: <u>REGULATORY ENGINEER</u>
Phone: <u>(281) 366-5328</u>	Date: <u>12/6/2001</u>

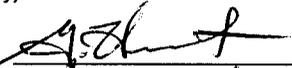
Comments: NAME CHANGE FROM AMOCO PRODUCTION COMPANY TO BP AMERICA PRODUCTION COMPANY

NEW OPERATOR

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

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: 12-18-01

Comments:

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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 CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME: See Attached
PHONE NUMBER: (281) 366-5328		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: See Attached
COUNTY: See Attached		
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"/> 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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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: Operator Name Change
	<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) Alan Wood TITLE Regulatory Engineer
SIGNATURE  DATE 12/11/2001

(This space for State use only)

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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,

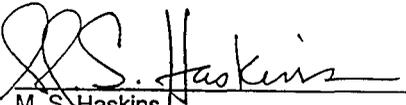
RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

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.

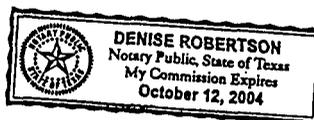
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.




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

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: BP America Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 501 WestLake Park Blv, CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		8. WELL NAME and NUMBER: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: Attached
COUNTY: See Attached		10. FIELD AND POOL, OR WILDCAT: See Attached
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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> 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. Dign 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

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DIV. OF OIL, GAS & MINING

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	SENE	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	SENE	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	SENE	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	SESW	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	SENE	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	SENE	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

UIC FORM 5

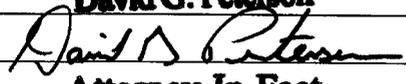
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number ANSCHUTZ RANCH EAST 34-2	API Number 043-30106
Location of Well Footage : 1036 N 1100 W County : SUMMIT	Field or Unit Name ANSCHUTZ RANCH EAST
QQ, Section, Township, Range: NWNW 34 4N 7E State : UTAH	Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: 7/1/2003

CURRENT OPERATOR

Company: BP AMERICA PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
city HOUSTON state TX zip 77079
Phone: (281) 366-2000
Comments: CHANGE OF OWNERSHIP

Name: David G. Peterson
Signature: 
Title: Attorney-In-Fact
Date: 6/26/03

NEW OPERATOR

Company: MERIT ENERGY COMPANY
Address: 13727 NOEL ROAD, SUITE 500
city DALLAS state TX zip 75240
Phone: (972) 701-8377
Comments:

Name: Fred N. Dixon
Signature: 
Title: V.P.
Date: 7/1/03

(This space for State use only)

Transfer approved by: 
Title: Field 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:



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,

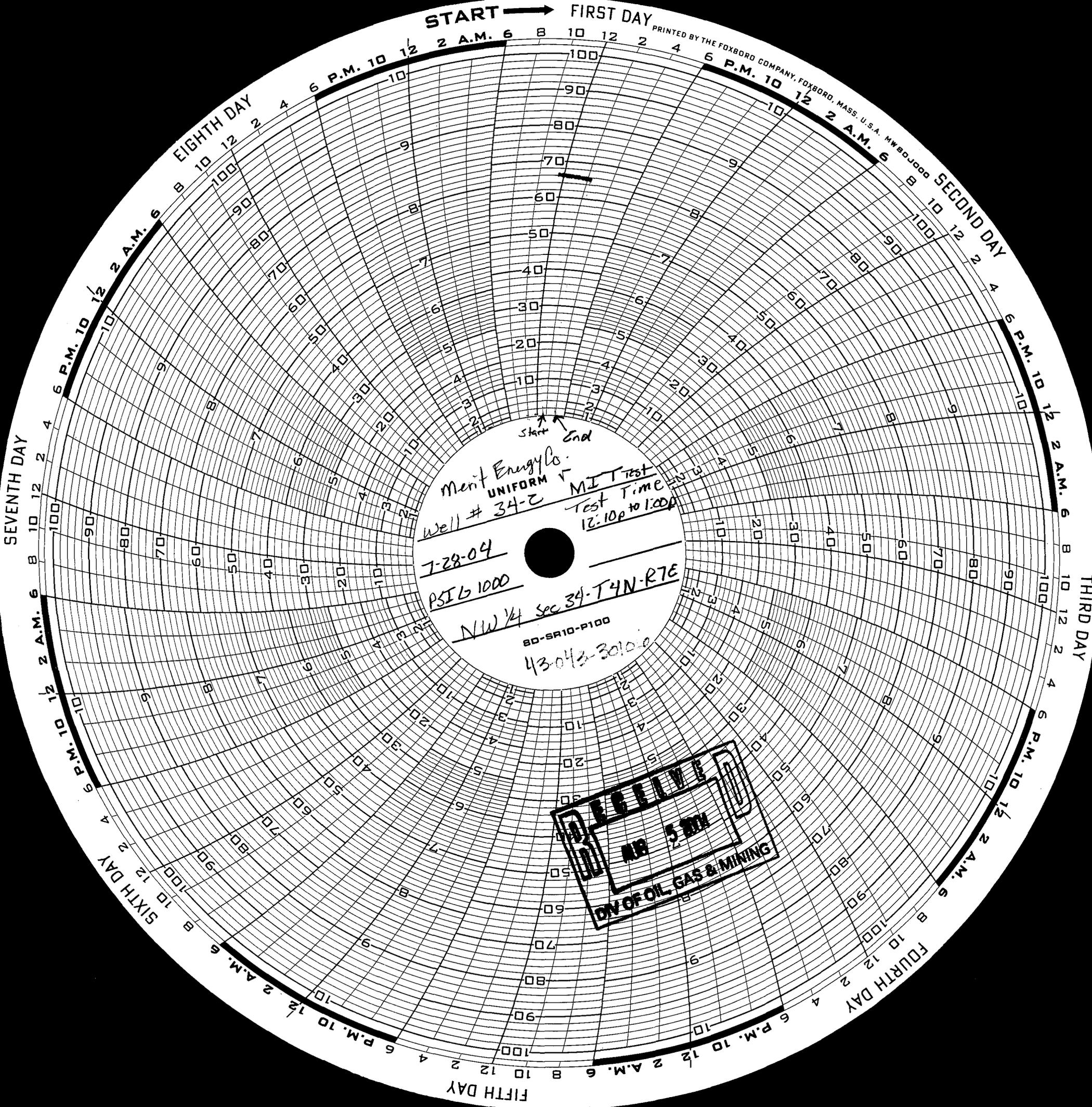
Earlene Russell
Earlene Russell
Engineering Technician

Attachment

cc: Merit Energy Company
Utah Royalty Owners Association

START → FIRST DAY

PRINTED BY THE FOXBORO COMPANY, FOXBORO, MASS. U.S.A. MW80J000



Merit Energy Co.
UNIFORM ✓ MIT Test
Well # 34-C Test Time
12:10p to 1:00p
7-28-04
PSIG 1000
NW 1/4 Sec 34-T4N-R7E
80-SR10-P100
43042-30100

NO. 5-201
DIV OF OIL, GAS & MINING

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

WELL NAME **ARE 34-2** API NUMBER **4304330106** WELL TYPE **WD** WELL STATUS **A**

OPERATOR **MERIT ENERGY COMPANY** ACCOUNT **N4900** # OPERATOR APPROVED BY BLM / BIA

DESIGNATED OPERATOR _____ ACCOUNT _____

FIELD NAME **ANSCHUTZ RANCH** FIELD NUMBER **500** FIRST PRODUCTION _____ LA | PA DATE **10** **19** **1980**

WELL LOCATION:

SURF LOCATION **1036 FNL 1100 FWL**

Q. S. T. R. M. **NWWN** **34** **04.0 N** **07.0 E** **S**

COUNTY **SUMMIT**

UTM Coordinates:

SURFACE - N **4543173.00** BHL - N _____

SURFACE - E **487637.00** BHL - E _____

LATITUDE **41.04160**

LONGITUDE **-111.14710**

CONFIDENTIAL FLAG

CONFIDENTIAL DATE _____

DIRECTIONAL | HORIZONTAL

HORIZONTAL LATERALS

ORIGINAL FIELD TYPE _____

WILDCAT TAX FLAG

CB-METHANE FLAG

ELEVATION **7366 GR**

BOND NUMBER / TYPE **103912218** **4**

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 IMAGES](#) [PRODUCTION GRAPH](#)

COMMENTS

811201 INT CONV WDW:840516 FR N0060:840601 COMM INJ:880113 OP FR N0050:980226 OP FR N1390 1/95:030826
OP FR N1990:

[Create New Rec](#) [Save](#) [Cancel Change](#) [To History](#) [To Activity](#) [Print Recd](#) [Export Recd](#)

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

FORM 9

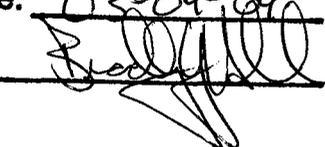
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Disposal</u>		8. WELL NAME and NUMBER: Anschutz Ranch SWD 1 34-2
2. NAME OF OPERATOR: Merit Energy Company		9. API NUMBER: 4304330106
3. ADDRESS OF OPERATOR: 13727 Noel Road, Suite 500 CITY Dallas STATE TX ZIP 75240	PHONE NUMBER: (972) 628-1658	10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1100' FWL, 1036' FNL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 34 4N 7E		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 (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	

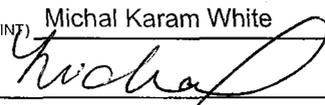
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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: 

COPY SENT TO OPERATOR
Date: 3.12.2009
Initials: KS

NAME (PLEASE PRINT) <u>Michal Karam White</u>	TITLE <u>North Division Regulatory Analyst</u>
SIGNATURE 	DATE <u>2/24/2009</u>

(This space for State use only)

RECEIVED
MAR 02 2009



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 12, 2009

Bruce Vargo
Merit Energy Company
P. O. Box 2760
Evanston, WY 82930

Subject: Pressure Test for Mechanical Integrity, ARE 34-2, Section 34, Township 4 North, Range 7 East, API No. 43-043-30106, Summit County, Utah

Dear Mr. Vargo:

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 ARE 34-2 well for testing during the week of August 24-27, 2009, 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,

A handwritten signature in black ink, appearing to read "Dan Jarvis", written over a faint, larger version of the same signature.

Dan Jarvis
Operations Manager

DJJ/LC/js

cc: Lisha Cordova, Petroleum Specialist
Well File

Baucum, Don

From: Baucum, Don
Sent: Wednesday, September 16, 2009 4:06 PM
To: 'Lisha Cordova'
Cc: Vargo, Bruce; Erickson, Dave; Wren, Mel
Subject: Pressure Test for Mechanical Integrity, ARE 34-2, Section 34, Township 4 North, Range 7 East, API NO.43-043-30106, Summit County, Utah

Dear Lisha:

Please find enclosed the reports for the Completion/Workover Activity, that you requested on this date, 8/18/2009-09/15/2009. To repair casing leak in 7" casing, also find enclosed a copy of the MIT TEST CHART. Also I am mailing a copy to you by United States Postal Service, you should have them by Monday the 21st of September.

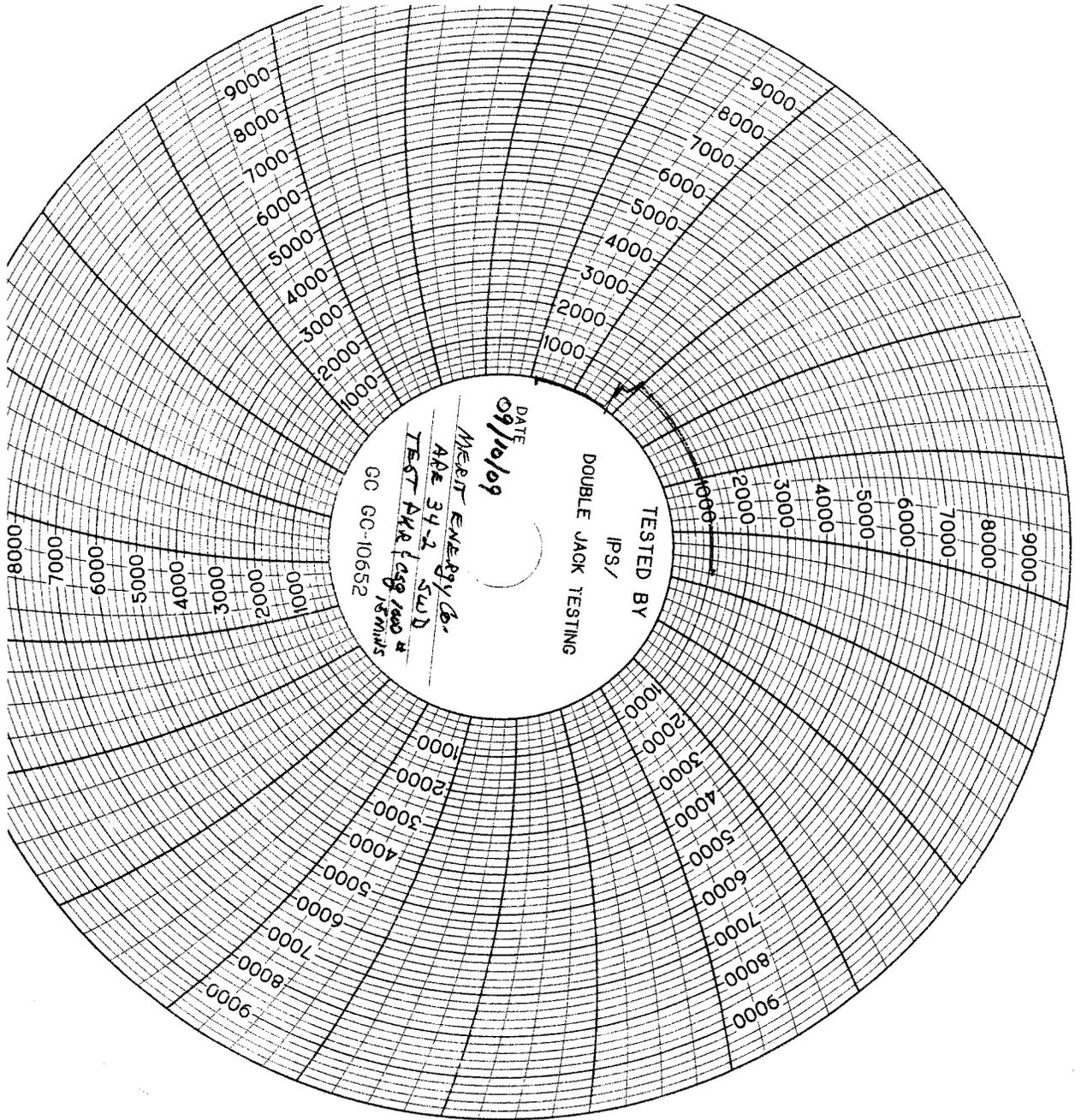
Thanks For Your Time:

Don Baucum
Workover Foreman Anschutz USA
Merit Energy Co
Off: 307-497-2413
Cell: 307-380-3800
Fax: 307-497-2442
P.O.B. 2760
Evanston, Wy 82930

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SEP 21 2009

DIV. OF OIL, GAS & MINING



RECEIVED

SEP 21 2009

DIV. OF OIL, GAS & MINING



Merit Energy Company

13727 Noel Road, Suite 500
Dallas, TX 75240
(972) 701-8377

**Daily Completion/WellWork
Activity Report**

Completion/Wellwork Activity

Well Name : ARE Plant SWD UT					
Well User ID	7671-01	API Code:		AFE #	20781
Operator	MERIT ENERGY COMPANY			Operated	Yes
S/T/R	/ /	WI	0.596224	NRI	0
County, St	UINTA, WY	Field	ANSCHUTZ RANCH EAS	AFE CC	\$0
Spud Date		Dlg Rig Rel Date		AFE Total	\$265,029
Comp Date		AFE Type	EWO	PBTD	
	ft from	line and	ft from	line	TD
Job Purpose :					

Date : 8/18/2009

Activity: Test casing for MIT Test

Days On Completion: 1

Remarks : Casing Size: 20" set @2009', 13 3/8" set @ 6285'
Casing Size: 9 7/8" 47#-53.5# set @ 11500'
Casing Size: 7" 26-32# set @18324'

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SEP 21 2009

DIV. OF OIL, GAS & MINING

TD: 18704'
PBTD: 8443'
TBG SIZE: 4 1/2 12.75# N-80 EUE
PKR: 7726'
K.B.: 22'

Perforations: 7998-8022, 8050-8084, 8094-8120, 8124-8162, 8184-8220, 8230-8316, 8336-8360, 8372-8404, 8436-8530

Repair csg. Leak, return well to disposal

DC : \$0 CCC: \$0 CWC: \$0

Date : 8/18/2009

Activity: Repair Csg Leak

Days On Completion: 1

Remarks : 720 PSI ITP CSG on vaccum, R/U pump & lines, fill csg with 75 BBLs produced water, pressure test to 1000 f in 10 minutes, leaks off 100 PSI, bleed repressure several times to test to 1000 PSI for 30 minutes, leaking off 680 PSI. Evaluate well with engineers, (Called state of utah. They said this test will not pass MIT).

DC : \$2,889 CCC: \$2,889 CWC: \$2,889

Date : 8/19/2009

Activity: Repair Csg Leak

Days On Completion: 2

Remarks : MIR & equipment from ARE W 21-4 to location, R/D pump & well head fence, test anchors, spot in equipment rig, R/U rig & pump, S/D water injection, fill csg with 5 BBLs produced water, test csg to 1000 PSI, leaks off to 680 PSI in 30 minutes, N/D flow line & tree, N/U BOPS, R/U floor & support equiment, SWIFN

DC : \$13,560 CCC: \$16,449 CWC: \$16,449

Well Name : ARE Plant SWD UT



Merit Energy Company

13727 Noel Road, Suite 500
Dallas, TX 75240
(972) 701-8377

**Daily Completion/WellWork
Activity Report**

Date : 8/20/2009

Activity: Repair Csg Leak

Days On Completion: 3

Remarks : 0 PSI SICP & TP, M/U landing jt, unlock lock down pins, unland tbg hanger, work pipe to release R3 PKR @7726' let well equalize, POOH L/D landing jt, hanger, X over, X over + 171 jts 4 1/2 12.75# N-80 Eue tbg fiberglass lined with seal rings in connections. SWIFN @ 2483'

DC : \$8,187

CCC: \$24,636

CWC: \$24,636

Date : 8/21/2009

Activity: Repair Csg Leak

Days On Completion: 4

Remarks : 0 PSI SICP & TP, Continue to POOH L/D 80 jts 4 1/2 12.75# N-80 Eue tbg, fiberglass lined with seal rings in connections, X over 2.75 VX nippl, R3 PKR & Rentry guide change out pipe rams & support equipment to 2 7/8 unload 2 7/8 work string talley M/U BHA 6" Rock Bit, 7" csg scrapper, bit sub, X over 1 jt 2 7/8 6.5# N-80 Eue tbg & 2.313 X nipple, TIH BHA & P/U 204 jts to SWIFN @ 6548' (4 1/2 tbg & pkr looked good)

DC : \$10,258

CCC: \$34,894

CWC: \$34,894

Date : 8/22/2009

Activity: Repair Csg Leak

Days On Completion: 5

Remarks : 0PSI SICP & TP, Continue to TIH WITH 6" Rock Bit & 7" csg scrapper, P/U 57 jts 2 7/8" 6.5# N-80 Eue tbg to tag up solid 2' out on jt # 261 8303' 140' high from PBTD had to work last 100' or so down before tagging solid POOH L/D 4 JTS STAND BACK 128 stands L/D 1 jt, 2.313 X nipple, 1 jt X over, bit sub, 7" csg scrapper & 6" Rock Bit, M/U BHA TIH with 6" Rock Bit, bit sub, X over flapper, 2' tbg pup flapper, 15 stands, flapper, bailer, flapper 6' tbg pup, drain sub & 93 stands to SWIF SUNDAY OFF.

DC : \$7,666

CCC: \$42,560

CWC: \$42,560

Date : 8/24/2009

Activity: Repair Csg Leak

Days On Completion: 7

Remarks : 0 PSI SICP & TP, Continue to TIH with 6" Rock Bit & bailer assembly RIH with 20 stands 2 7/8 6.5# N-80 Eue tbg. R/U power swivel swivel in 2 jts start to drill & bail out fill 14' in on jt #261 8303' clean out to jt #278 in 885 new PBTD made 549' total today. Had solid bridge from 8443' to aprox 8500' then going easy to new PBTD, Hang swivel back POOH stand back 124 stands L/D drain sub, 6' tbg pup, flapper, bailer, & flapper 9 stands L 12 jts flapper 2' tbg pup flapper X over bit sub + 6" bit, recovered 112 jts of solids (SCALE) & aprox 4 BBLs bla nasty fluid, M/U BHA 6" Rock Bit, 7" csg scrapper, bit sub, X over 1 jt + 2.313 X nipple, TIH BHA P/U 11 jts +7' stands to SWIFN @5370'

DC : \$8,387

CCC: \$50,947

CWC: \$50,947

Date : 8/25/2009

Activity: Repair Csg Leak

Days On Completion: 8

Remarks : 0 PSI SICP & TP, Continue to TIH with 6" Rock Bit & 7" csg scrapper assembly, RIH with 55 stands double scrape threw perms seeing lots of scrapper action to stop @8835' with scrapper. POOH L/D 38 jts stand back 1 stands, L/D 1 jt, 2.313 X nipple 1 jt, X over bit sub csg scrapper & bit, SWIFN (Waiting on tools).

DC : \$12,124

CCC: \$63,071

CWC: \$63,071

Well Name : ARE Plant SWD UT



Date : 8/26/2009

Activity: Repair Csg Leak

Days On Completion: 9

Remarks : 0 PSI SICP N/U BHA TIH with 7" Klime 10K RBP, retrieving head, 6' 2 7/8" tbg pup Klime 10K PKR 1 jt 2 7/8 6.5# N-80 Eue tbg, 2.313 X nipple, 1 jt + 119 stands P/U 4 jts set RBP 2' IN ON JT #244 7752' L/D 1 jt set PKR 2' out on jt #242 7698' fill tbg with 13 BBLs produced water pressure test tbg, RBP & PKR to 1000 PSI holds fill csg with 55 BBLs test to 1000 PSI leaks off to 700 PSI in 30 minutes release PKR POOH 16 stands set PKR 4' out on jt #210 6695', Test csg holds tbg leaks, release PKR TIH 8 stands set PKR 4' out on jt #226 7205' test c leaks tbg holds, release PKR POOH 4 stands set PKR 4' out on jt #218 6951' test csg leaks tbg holds release PKR POOH 1 stand set PKR 6' OUT ON JT #216 6860' test csg jp;ds tbg leaks release PKR TIH to 11' out on #215 set PKR @6909' test csg holds tbg leaks showing csg leak is between 6909-6951 42' intervals with SQZ perfs from 6920-6940, pressure up both sides leaving 1000 PSI to monitor pressures for overnight shut in

DC : \$15,208

CCC: \$78,279

CWC: \$78,279

Date : 8/27/2009

Activity: Repair Csg Leak

Days On Completion: 10

Remarks : CSG held 1000 PSI shut in over night tbg leaked off to 40 PSI, bleed well off release PKR TIH 13 stands 2 7/8 6.5# N-80 Eue tbg POOH L/D 32 jts stand back 104 stand L/D 1 jt, 2.313 X nipple 1 jt Klime 10K PKR 6' tbg pu & retrieving head R/U E line pump bail sand on top of RBP @7752' filling csg to 7739' RIH shoot 4 SQZ holes 6936-6938' fill csg with 14 BBLs get injection rate 1/5 BBL pm @1250 PSI, shoot 4 SQZ holes @ 6928-6930 fi csg with 14 get injection rate 1/4 BBLpm @ 1250 PSI shoot 8 SQZ holes @ 6920-6922 fill csg with 6 BBLs ge injection rate @ 1/4 BBLpm @ 1250 PSI, R/D E line M/U BHA TIH with 2 7/8 reentry guide 6', 2'&2' tbg pups, K line 10K PKR 1 jt 2.313 X nipple 1 jt & 74 stands to SWIFN @4808

DC : \$13,638

CCC: \$91,917

CWC: \$91,917

Date : 8/28/2009

Activity: Repair Csg Leak

Days On Completion: 11

Remarks : 0 PSI SICP & TP, Continue to TIH with PKR assembly, RIH with 30 stands 2 7/8 6.5# N-80 Eue tbg P/U 7 jts s PKR @6909', Fill csg with 12 BBLs pressure test csg to 1000 PSI R/U Haliburton test lines fill tbg with 4 BBLs get injection rate 1/2 BBLpm @1940 PSI release PKR spot 500 gals 15% HCC Acid 5 BBLs before end of tbg set PKR @6909' SQZ acid into perfs breaking perfs down to 2 BBLspm @780 PSI let sit 15 minutes going to C unset PKR reverse out tbg volume 1 1/2 times R/D Haliburton, POOH L/D 7 jts stand back 104 stands L/D 1 jt, 2.313 X nipple, 1 jt, K line 10K PKR, 2',2'&6' tbg pups & 2 7/8 reentry guide R/U E line set @6780' R/D E line M BHA TIH with CICR stringer, 2 jts & 104 stands to SWIFN @6694'

DC : \$30,208

CCC: \$122,125

CWC: \$122,125

Date : 8/29/2009

Activity: Repair Csg Leak

Days On Completion: 12

Remarks : 0 PSI SICP & TP, Continue to TIH with CICR stringer P/U 3 jts 2 7/8 6.5# N-80 Eue tbg sting into CICR @6780' STING OUT SPACE OUT WITH 6' TBG pup sting in R/U Haliburton test lines fill csg with 70 BBLs pressure te csg to 1000 PSI fill tbg with 33 BBLs get injection rate 2 BBLs pm @900 PSI, mix 100 sks cement @15.8# pur 5 BBLs fresh SQZ into perfs to 1050 PSI hesitate 15 minutes pressure up 850 PSI sting out with 1 1/2 BBLs cement in tbg reverse out 1 1/2 times R/D Haliburton POOH L/D 8 jts stand back 102 stands L/D 1 jt & stinger M/U BHA TIH with 6" rock bit, bit sub 4 4 3/4 ddrill collars, X over, 1 jt & 92 stands to SWIF Sunday off

DC : \$25,090

CCC: \$147,215

CWC: \$147,215

Well Name : ARE Plant SWD UT



Merit Energy Company

13727 Noel Road, Suite 500
Dallas, TX 75240
(972) 701-8377

**Daily Completion/WellWork
Activity Report**

Date : 8/31/2009

Activity: Repair Csg Leak

Days On Completion: 14

Remarks : 0 PSI SICP & TP, Continue to TIH with 6" Rock Bit & drill collar assembly, RIH with 10 stands 2 7/8 6.5#N-80 I tbg, R/U power swivel, swivel in 3 jts to break rev. circ. On jt #209 start to drill out cement & CIRC @10' out 67 Get to 5' in on jt #210 6793', spending 9 1/2 hrs on CIRC still having problems with CIRC parts spinning, starti to drill out cement below circulate clean, pull up SWIFN

DC : \$8,749

CCC: \$155,964

CWC: \$155,964

Date : 9/1/2009

Activity: Repair Csg Leak

Days On Completion: 15

Remarks : 0 PSI SICP & TP, Break reverse cir., Continue to drill out CIRC & cement, start drilling @ 5' in on jt #210 6793 fall out of cement @ 6960', stop @ jt #216 in 7009', Circ well clean pressure test csg to 1060 PSI for 45 minute Held like a rock!! Hang swivel back, continue to TIH P/U 24 jts 2 7/8 6.5# N-80 Eue tbg to tag sand top @ 8' in jt #240 7737', POOH L/D 1 jt stand back 72 stands to SWIFN @6341'

DC : \$8,183

CCC: \$164,146

CWC: \$164,146

Date : 9/2/2009

Activity: Repair Csg Leak

Days On Completion: 16

Remarks : 0 PSI SICP & TP, Continue to POOH with 97 stands 2 7/8 6.5 # N-80 Eue tbg L/D 1 jt & X-over stand back 2 stands 4 3/4" drill collars L/D bit sub & 6" bit M/U BHA TIH with 6" bit, 7" csg scrapper, bit sub, 2 stands 4 3/4" collars, X over, 1jt & 119 stands, double scrapping threw SQZ perfs to stop @ 7732' Rev. CIRC bottoms up twice pressure test csg to 1000 PSI for 30 minute POOH 119 stands L/D 1 jt, X over, 4 4 3/4 drill collars bit sul csg scrapper & bit M/U BHA TIH with RBP retrieving head, 1 jt, 2.313 X nipple & 119 stands to SWIFN @ 760

DC : \$8,201

CCC: \$172,347

CWC: \$172,347

Date : 9/3/2009

Activity: Repair Csg Leak

Days On Completion: 17

Remarks : 0 PSI SICP & TP, Continue to TIH with RBP Retrieving head assembly, P/U 3 jts 2 7/8 6.5 # N-80 Eue tbg, R/L power swivel on jt #243, break rev circ clean out sand, release RBP swivel out 1 jt, hang swivel back POOH stand back 121 stands, L/D 2.313 X nipple, 1 jt RBP retrieving head & RBP, M/U BHA TIH with reentry guide, Kline 10K PKR, 1 jt, 2.313 X nipple & 121 stands, P/U 7 jts & setting jt, set PKR @ 3' out jt #250 7950', L/D setting jt, fill csg with 63 BBLs, pressure test csg to 1000 PSI 15 minute, get injection rate down tbg 5 BBLs PI @ 800 PSI, SWIFN

DC : \$13,693

CCC: \$186,040

CWC: \$186,040

Date : 9/4/2009

Activity: Repair Csg Leak

Days On Completion: 18

Remarks : 0 PSI SITP 200 PSI SICP, Bleed csg, Retest csg to 1000 PSI

DC : \$63,701

CCC: \$249,741

CWC: \$249,741

Well Name : ARE Plant SWD UT



Merit Energy Company

13727 Noel Road, Suite 500
Dallas, TX 75240
(972) 701-8377

**Daily Completion/WellWork
Activity Report**

Date : 9/8/2009

Activity: Repair Csg Leak

Days On Completion: 22

Remarks : 0 PSI SITP 100 PSI SICP, R/U pump inject leftover produced water on location aprox 205 BBLs down tbq, M/L releasing jt, release Kline 10K PKR @ 7950' let equalize, POOH L/D releasing jt, 249 jts 2 7/8 6.5# N-80 Eue tl 2.313 X nipple, 1jt, PKR & reentry guide change out support equipment & pipe rams to 4 1/2. Move 2 7/8 tbq to side of location, move in 4 1/2 tbq & talley, M/U BHA P/U TIH with reentry guide, Baker R3 PKR 2.75V X nipple, over call plastic coated on inside & 27 jts 4 1/2 12.75# N-80 Eue tbq fiberglass lined tbq with scale ring in connections, inspecting pipe & connection then drifting after made up, found 2 bad rings & 1 bad collar to SWI @ 859'

DC : \$15,986

CCC: \$265,727

CWC: \$265,727

Date : 9/9/2009

Activity: Repair Csg Leak

Days On Completion: 23

Remarks : 0 PSI SICP & TP, Continue to TIH with 138 jts 4 1/2 112.75# N-80 Eue fiberglass lined tbq with seal rings in connections cleaning, inspecting, drifting, & changing out bad rings, found 29 bad rings & 1 bad collar today to SWIFN @ 5155'

DC : \$17,432

CCC: \$283,159

CWC: \$283,159

Date : 9/10/2009

Activity: Repair Csg Leak

Days On Completion: 24

Remarks : 0 PSI SICP & TP, Continue to TIH with 86 jts 4 1/2 12.75# N-80 Eue fiberglass lined tbq with seal rings in connections cleaning, inspecting, drifting, & changing out bad seals, changed 16 seals & 3 collars out having cut out tbq flares resurface & glue in new ones & let dry 15 minutes, M/U X over, X over, hanger & landing jt, la tbq pump 140 BBLs 2% KCL PKR FLUID down csg, P/U set R3 PKR @ 7798' WITH 20,000# down land tbq lock hanger, fill csg with 22 BBLs, pressure test csg to 1000PSI for 15 minutes with test chart recorder, SWIFN

DC : \$12,004

CCC: \$295,163

CWC: \$295,163

Date : 9/11/2009

Activity: Repair Csg Leak

Days On Completion: 25

Remarks : 0 PSI SITP 150 PSI, SICP, Bleed csg down to 0, L/D landing jt, R/D power swivel, support equipment & floor, N/D Bops, N/U Tree & flow line, Start up water injection SDFWeekend

DC : \$7,950

CCC: \$303,113

CWC: \$303,113

Date : 9/14/2009

Activity: Repair Csg Leak

Days On Completion: 28

Remarks : 0 PSI SICP 350 PSI ITP, R/D rig, Road rig to ARE W 21-4 to stack out, load out 295 jts 2 7/8 6.5# N-80 Eue tt move to ARE pipe yard rack #8, clean out cement from flat tank, R/D support equipment repair to move off

DC : \$8,949

CCC: \$312,063

CWC: \$312,063

Date : 9/15/2009

Activity: Repair Csg Leak

Days On Completion: 29

Remarks : Move support equipment to ARE W 21-04, stack out equipment, reclaim pits, back drag location, install well h fence (FINAL REPORT)

DC : \$9,834

CCC: \$321,897

CWC: \$321,897

Well Name : ARE Plant SWD UT

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File ARE 34-2

Suspense

Other

(Loc.) Sec 34 Twp 4N Rng. 7E

(Return Date) _____

(API No.) 43-043-30106

(To-Initials) _____

1. Date of Phone Call: 8/25/09 Time: 10:25

2. DOGM Employee (name) J. Cordova (Initiated Call)
Talked to:

Name Don Baucum (Initiated Call) - Phone No. (307) 497-2413
of (Company/Organization) Merit Energy

3. Topic of Conversation: Upcoming MIT scheduled for 9/2/09.

4. Highlights of Conversation:

Pre-test not passed, suspect leak @ 592 pps. Called in a workover rig "Uintah Well Svs-Rig #1". Running in-hole w/ bit & scrapers, will locate leak(s), and will notify DOGM of proposed plan to repair. MIT on-hold for now until further notice.

9/9/09 Don Baucum, workover completed, packer should be set by 3:00^{PM} 9/10/09 they plan to test backside to 1000# for 15 min "pretest/test" will chart test, and submit WO info & chart to DOGM. IF test fails, they will continue WO ops & notify DOGM. X OK granted by DOGM.



GARY R. HERBERT
Governor

Spencer J. Cox
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

October 23, 2014

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

Subject: Pressure Test for Mechanical Integrity, ARE 34-2, NWNW Section 34, Township 4 North, Range 7 East, API No. 43-043-30106, 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 ARE 34-2 well ready for testing during the week of November 4-7, 2014, 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

LC/js

cc: Lisha Cordova, Env. Scientist
Well File



INJECTION WELL - PRESSURE TEST

Well Name: ARE 34-2 API Number: 43-043-30106
 Qtr/Qtr: NWNW Section: 34 Township: 4N Range: 7E
 Company Name: Merit Energy Company
 Lease: State _____ Fee X Federal _____ Indian _____
 Inspector: Lishe Cordova Date: 11/5/14
 * Mountain States Water / Chuck

Initial Conditions:

Tubing - Rate: SI/static Pressure: 160 psi
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)		Annulus Pressure	Tubing Pressure
0	8:56	<u>1000</u>	<u>160</u>
5		<u>1000</u>	<u>↓</u>
10		<u>1000</u>	<u>↓</u>
15	9:11	<u>1000</u>	<u>200</u>
20		_____	_____
25		_____	_____
30		_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 200 psi
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS:

202 gals to pressure up to 1000# (5 bbls) * DG OK 11/7/14.

[Signature]
 Operator Representative

