

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

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

5. Lease Designation and Serial No.

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

Fee  
6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Anschutz Ranch East Unit

8. Farm or Lease Name

Anschutz Ranch East

9. Well No.

#2-30

10. Field and Pool, or Wildcat

Anschutz Ranch East

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

Sec. 30, T4N, R8E

12. County or Parrish 13. State

Summit Utah

2. Name of Operator

AMDCO PRODUCTION COMPANY

3. Address of Operator

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

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

At surface

730' FNL & 2180' FEL

At proposed pool zone

BHL: 1150' FNL & 1650' FEL

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

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

16. No. of acres in lease

17. No. of acres assigned to this well

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

19. Proposed depth

20. Rotary or cable tools

14,450'

Rotary

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

7656' GR

22. Approx. date work will start\*

when approved

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
26"	20"	106#	60'	Cmt to surface
17 1/2"	13 3/8"	62#-72#	5200'	Cmt to surface
12 1/4"	9 5/8"	47#-53.5#-62#	11600'	to be determined from logs
8 1/2"	7"	32#	14450'	to be determined, across all salt & pay

PROPOSE TO DEVELOP NUGGET RESERVES

(See Attachments)

(Well to be drilled in accordance with the Order issued in Cause No. 183-11)

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: *Ronald M. Dwyer* Title: Administrative Supervisor Date: 12/13/82

(This space for Federal or State office use)

Permit No. Approval Date

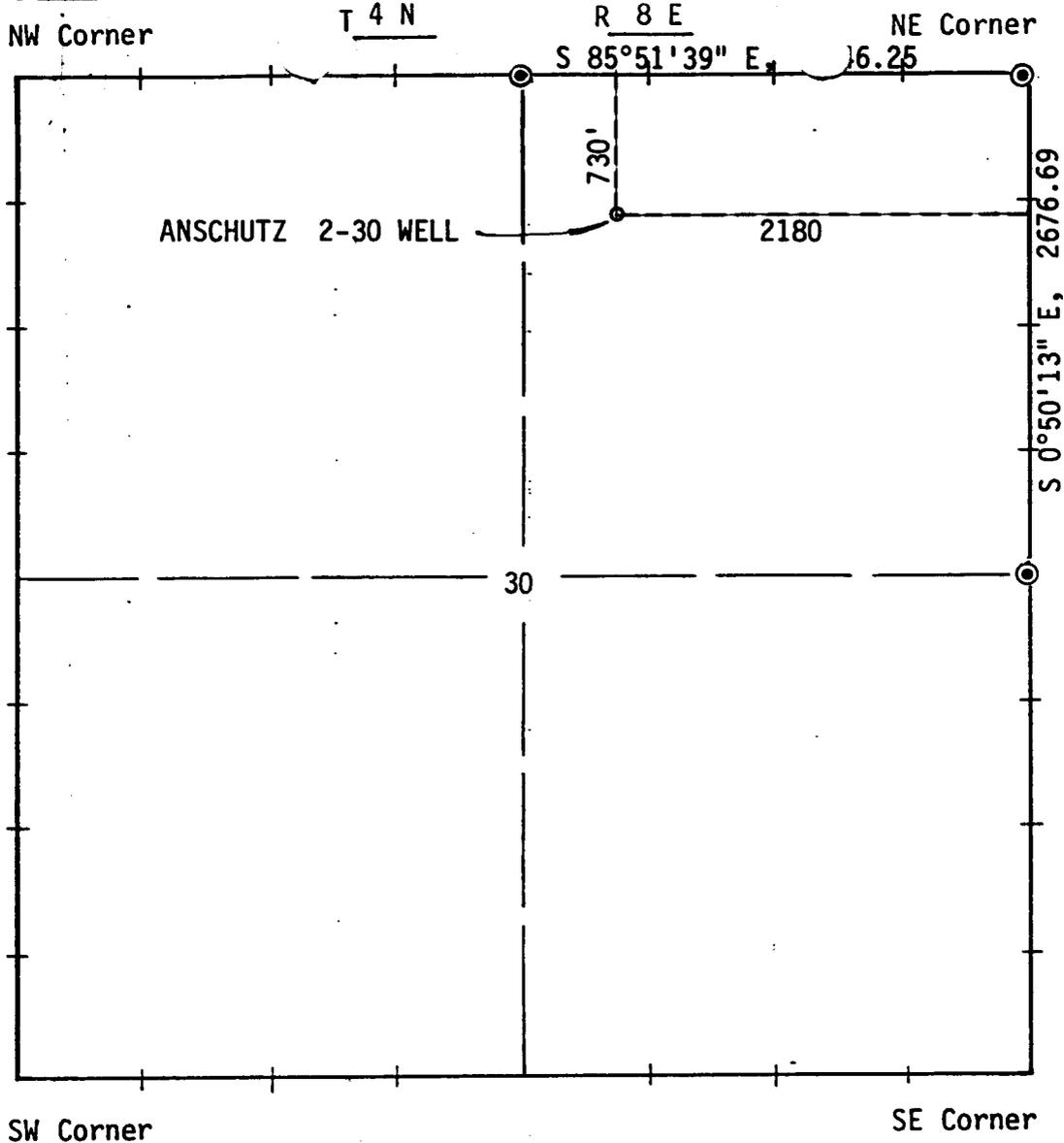
APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

Approved by Title

Conditions of approval, if any:

DATE: 12-15-82 BY: *Dwight H. ...*

\*See Instructions On Reverse Side

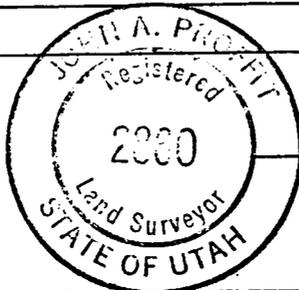


SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Alum. Cap
- ⊗ Found Stone - Set Alum. Cap
- Hub and Tack
- △ Proportioned Corner

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Jon Jensen of Evanston, Wyoming for Amoco Production Company I made a survey on the 12<sup>th</sup>, 15 day of October, 1982 for Location and Elevation of the Anschutz 2-30 Well as shown on the above map, the wellsite is in the NW-1/4 NE-1/4 of Section 30, Township 4 N, Range 8 E of the Salt Lake Base & Meridian, Summit County, State of Utah, Elevation is 7656 Feet top of hub Datum Mean Sea Level based on 3-Dimensional Control Network tied to USC & GS & USGS Benchmarks

Reference point	West 300'	Elev top of pin	7671.8'
Reference point	West 400'	Elev top of pin	7673.6'
Reference point	West 500'	Elev top of pin	7665.2'
Reference point			



*John A. Proffit* 10/21/82  
 JOHN A. PROFFIT, UTAH R.L.S. NO. 2860  
 UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET, EVANSTON, WYOMING

BOOK NO.: 217  
 DATE: 10-18-82  
 JOB NO.: 82-10-62

ATTACHMENT TO FORM NO. OGC-1a

Anschutz Ranch East No. 2-30

1) Geologic name of the surface formation: Tertiary

2) Estimated tops of geological markers:

Cretaceous	2200'
Aspen	5050'
Garnett	6750'
Preuss	9600'
Salt	10650'
Twin Creek	11450'
Nugget	13250'
Ankareh	14300'

3) Casing Program: See Form OGC-1a, Item #23

4) Operators minimum specifications for pressure control equipment are explained on the attached schematic diagram. Testing of such is to be performed daily and noted on the IADC Daily Drilling Report. After running surface casing and prior to drilling out, the BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. Thereafter, the equipment will be tested in accordance with State/Federal requirements.

5) Mud Program:

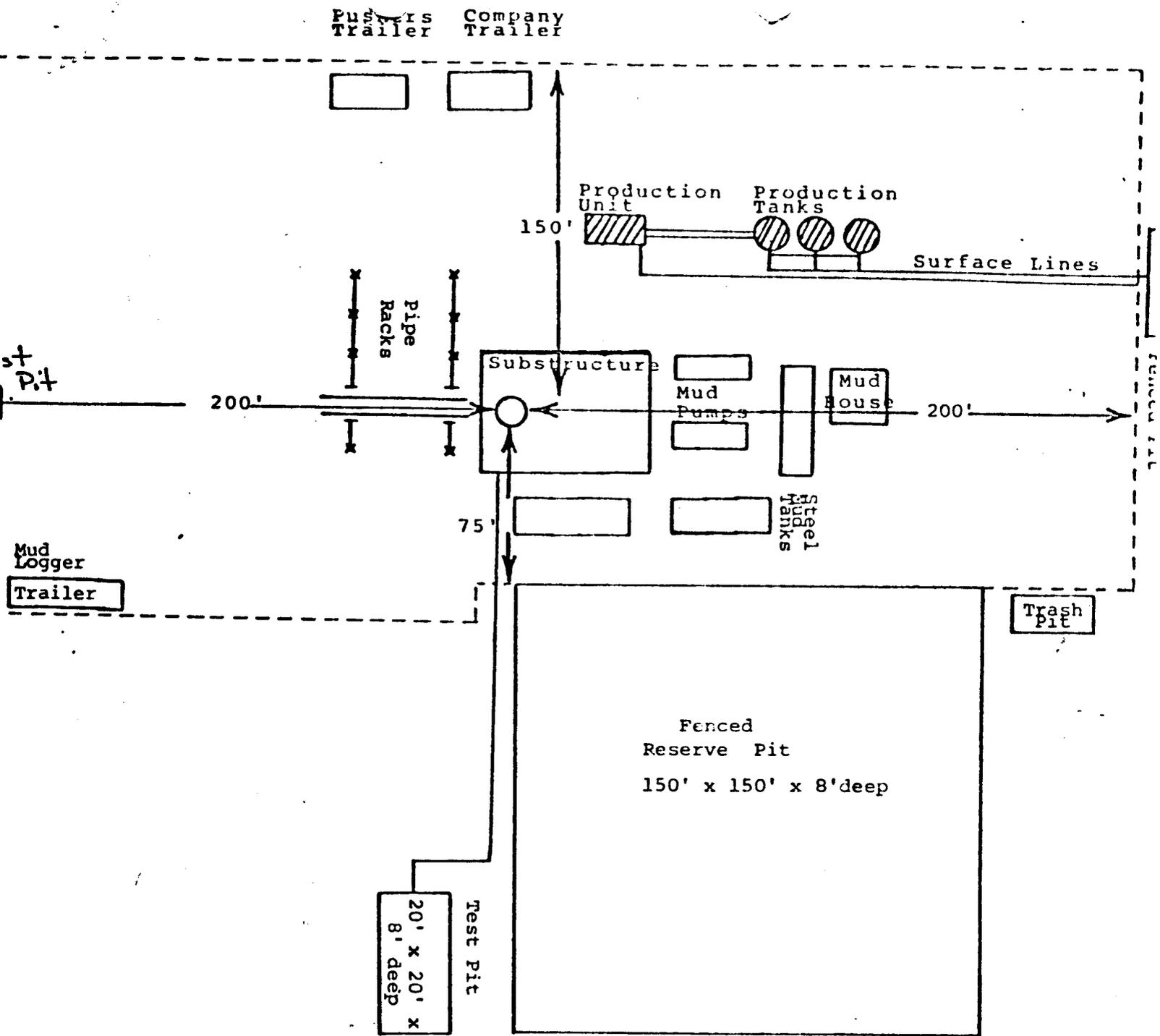
0 - 5200'	LSND, w/minimum properties to maintain stable wellbore
5200' - 11600'	brine or saturated salt, " " " "
11600' - TD	produced brine, " " " "

6) Logging Program:

DIL-GR	Base of salt to TD
BHC-Sonic-GR-CAL	Base of surface casing to TD
HDT-Cyberdip	" " " "
FDC-CNLC-GR-CAL	Base of salt to TD
Gyro Directional	Surface to TD

7) No abnormal pressures, temperatures, or hydrogen sulfide gas is anticipated.





- = Shows permanent production equipment to be installed after drilling rig has moved out.
- = Dotted lines indicated perimeter of leveled location.

The fenced pit used for production will be covered if any fluid is present. The drilling and production pads will be constructed with dozers and graders using native material.

TYPICAL  
LOCATION  
LAYOUT

AMOCO PRODUCTION COMPANY  
P. O. Box 17675  
SALT LAKE CITY, UTAH 84117

EXHIBIT "D"

LIST OF ATTACHMENTS

MAP

SURFACE OWNERS

INJECTION

INJECTION OPERATING DATA

ARE MIXING STATION

WELLHEAD SCHEMATIC

FORMATION PRESSURE TESTING

MECHANICAL INTEGRITY TEST

PRESSURE TESTING

INDIVIDUAL WELL DATA

ANSCHUTZ RANCH EAST

Surface Owners Within One-half Mile of the W30-02 Injection Well

Amoco Operates All the Wells in the Field

<u>WELL</u>	<u>TYPE</u>	<u>TOTAL DEPTH</u>	<u>SURFACE OWNERS</u>
W19-16	Producing	14,142'	Anschutz - Sec. 19
W29-04	Producing	13,222'	Anschutz - Sec. 29
W30-08	Producing	13,919'	Anschutz - Sec. 30
W30-10	Producing	13,776'	Anschutz - Sec. 30

## INJECTION

Maximum injection rate - 35MMSCFD  
Maximum surface pressure - 6150 psi  
Injection fluid - 65% hydrocarbon gas/35% nitrogen

A step-rate test was conducted from March 15 to March 19, 1982 on the ARE 36-08 in the Nugget Formation. 100% nitrogen was used for the test. Rates went from 10.8 MMSCFD at a wellhead pressure of 4254 psi (BHP = 5796 psi) to 27.5 MMSCFD at a wellhead pressure of 6110 psi (BHP = 6483 psi). A linear plot of rate versus pressure gives no substantial indication that the Nugget was fractured.

Rate	BHP
10.81	5796
14.00	5945
19.40	6147
23.20	6352
27.50	6483

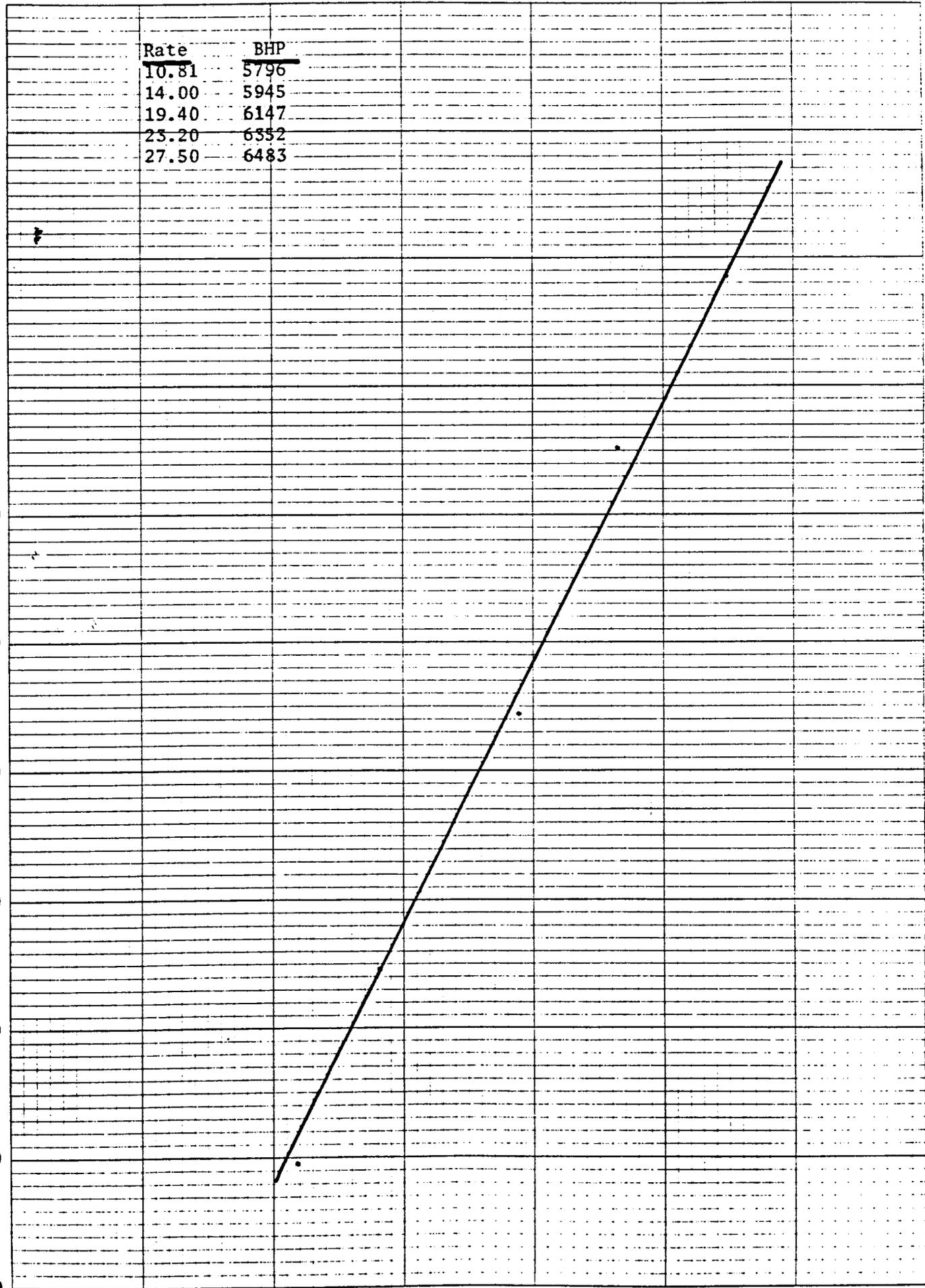
46 0700

10 X 10 TO THE INCH # 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN USA

Bottom Hole Pressure

6600  
6500  
6400  
6300  
6200  
6100  
6000  
5900  
5800  
5700

10 20 30  
Q (MMSCFD)



## Injection Operating Data

### ARE Injection Wells

Design injection press = 6150 psi

design injection rate = 160 MMSCFD total

RTU (remote terminal unit) at mixing station controls (remaining percentage hydrocarbon gas)

1. Max of 35% N<sub>2</sub> (excess is vented to atmosphere)
2. Max injection pressure of 5500 psi (vent N<sub>2</sub> to atmosphere to control press.) through a vent valve at the mixing station

Safety Controls on all Compressors: (compressing gas to injection pressure)

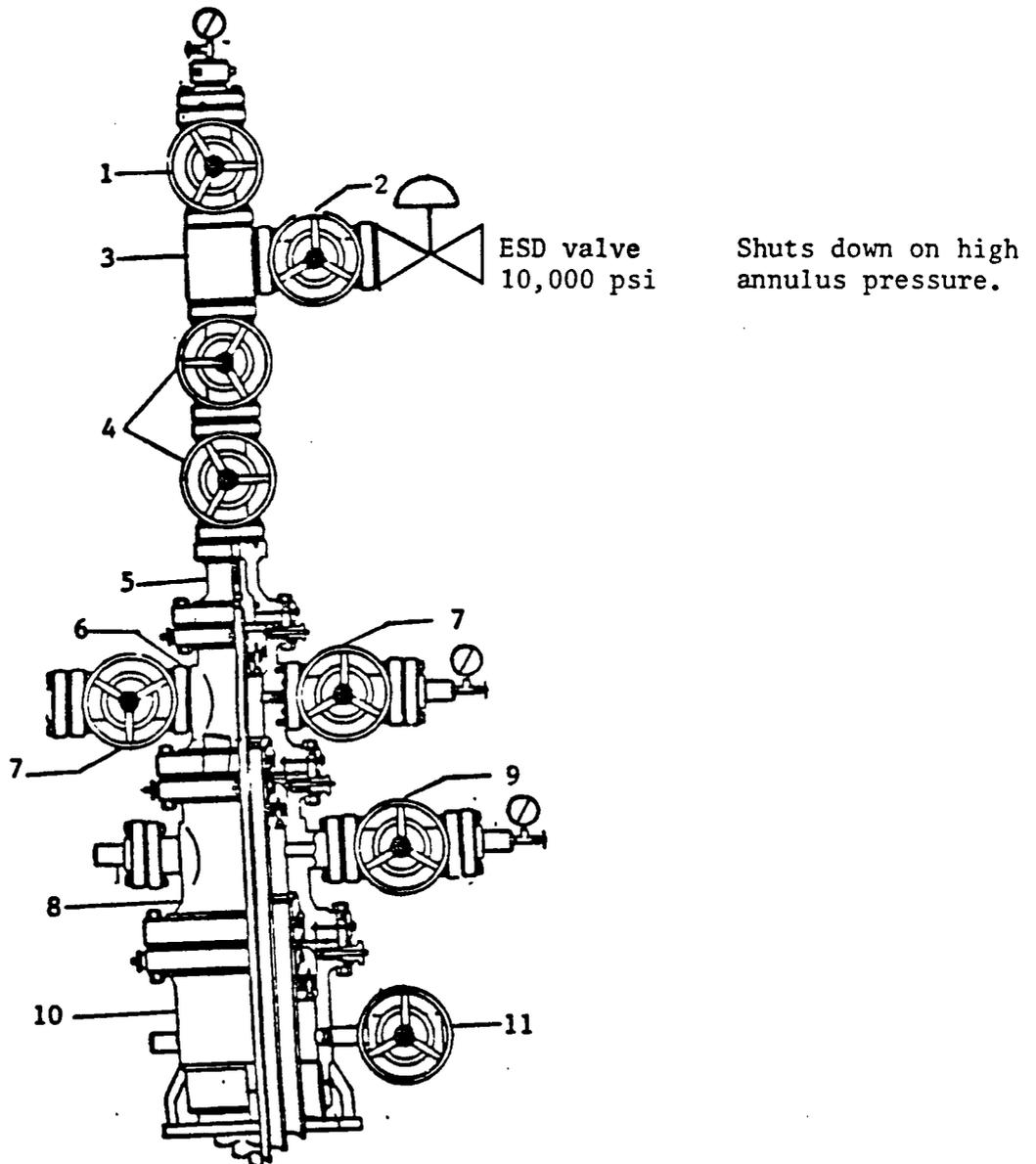
1. High pressure, high temperature shutdown switches.
2. Pressure relief valve (6200 psi)

Wellhead Safety equipment:

1. ESD valve on injection flowline - shuts down on a high casing-tubing annulus pressure (3000 psig)

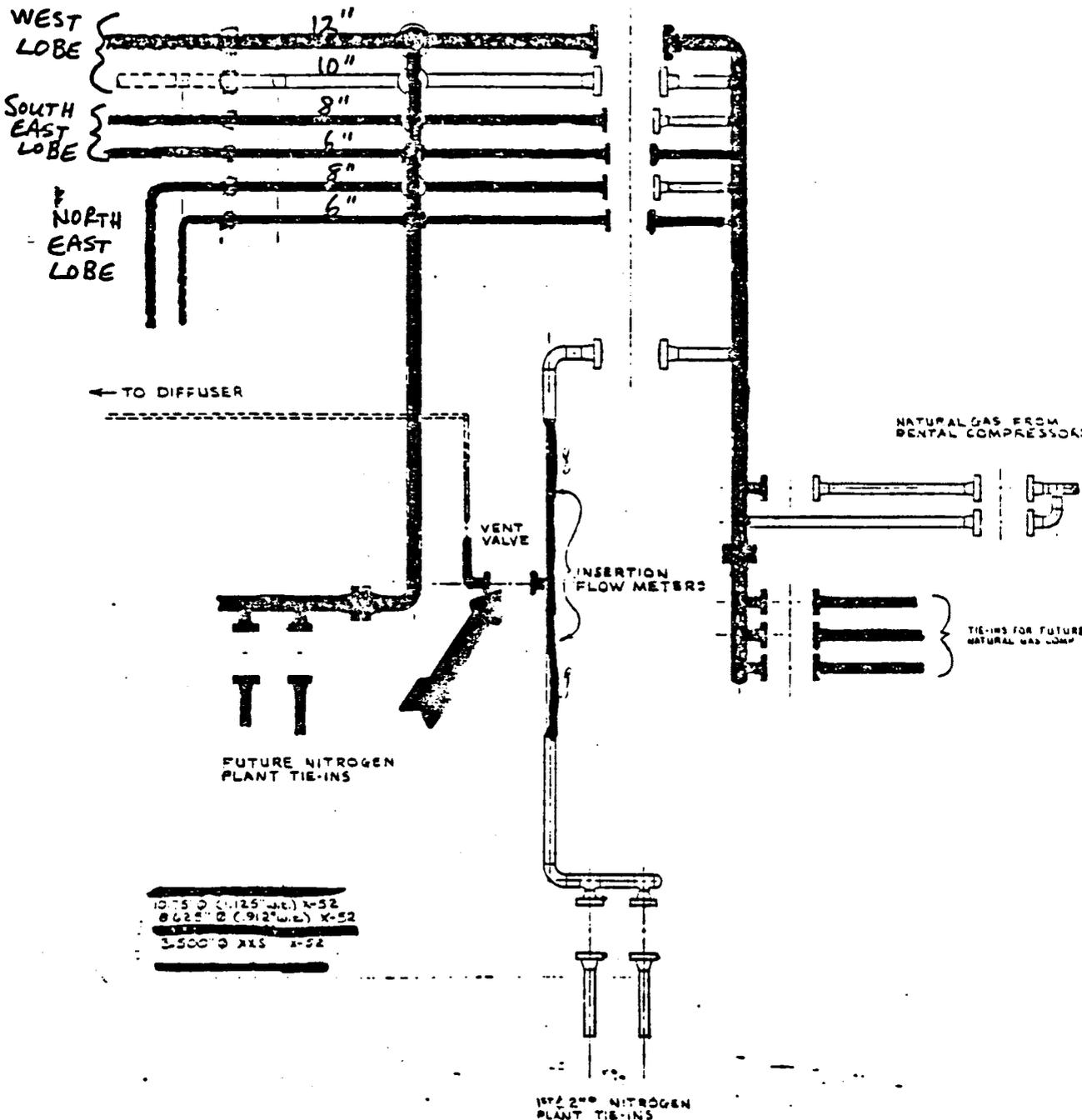
Contingency Plan

1. If high pressure shutdown occurs, the problem will be identified, the well shut-in, the high pressure will be bled off, and repair work will commence.



1. Swab valve, 3-1/16" ID, 10,000 psi w.p.
2. Wing valve, 3-1/16" ID, 10,000 psi w.p.
3. Flow tee, 10,000 psi w.p.
4. Master valve, 3-1/16" ID, 10,000 psi w.p.
5. Adapter, 10,000 psi x 10,000 psi w.p.
6. Tubing spool, 5,000 psi x 10,000 psi w.p.
7. Gate valve, 1-13/16" ID, 10,000 psi w.p.
8. Intermediate casing spool, 3000 psi x 5000 psi w.p.
9. Gate valve, 2-1/6" ID, 5000 psi w.p.
10. Surface casing head, 3000 psi w.p.
11. Ball valve, 1-1/2" ID, 3000 psi w.p.

FIGURE 23. Typical Wellhead for Injection Wells



1075 Ø (0.125" W.L.) X-52  
Ø 625" Ø (0.912" W.L.) X-52  
3.500" Ø XLS X-52

ARE Mixing Station  
Scale - 1/4" = 1'  
02.10.66 P11

## Formation Testing Program

An extensive bottom-hole pressure monitoring program is being conducted on all wells in the Anschutz Ranch East Field. Tests will be conducted on all completed wells on a quarterly basis. The types of tests being run are buildups, falloffs, static gradient surveys, and occasionally special tests such as step-rate tests will be conducted.

Continuous monitoring of produced fluids is being undertaken. An automated gas-chromatograph system is operational which samples all producing wells approximately twenty times per day. This is to determine if breakthrough of nitrogen has occurred and if corrosive conditions are present.

## 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 7200-7700 psi at bottom-hole conditions in a 14,000' 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.

## PRESSURE TESTING

In reference to Rule 1-6-a-3, a test of the casing to the maximum authorized injection pressure of the new injection wells, 5500 psi, using Amoco's procedure of testing with 2% KCL water in the hole would exceed the mechanical rating of the casing and possibly cause a failure. Therefore, Amoco recommends the following alternative: Test the casing to 1500 psi with 2% KCL water . Testing to 1500 psi with 2% KCL water in the hole will provide the same bottom-hole pressure as applying 5500 psi with gas in the hole. Amoco performs the test with water in the hole for safety considerations and to insure the annulus is not left full of gas, which would be necessary if the test was performed with gas. The casing tubing annulus is left filled with 2% KCL water with corrosion inhibitor.

ARE W30-02 - Operating Data

Twin Creek

lithology - limestone  
thickness - 1841'  
depth - 11,272'

Nugget

lithology - sandstone  
thickness - 1027'  
depth - 13,113'

Ankareh

lithology - sandstone  
thickness - not determined due to lack of penetration  
depth - 14,140'

Cement Bond Log Evaluation of Anschutz Ranch East  
ARE W30-02 Injection Well

Excellent cement bond from TD to 12,450' (across Ankareh, Nugget, and lower half to Twin Creek formation), and from 11,470' to 10,530' (across the upper Twin Creek, Salt, and lower Preuss formation).



RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT ANSCHUTZ

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

December 15, 1982

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

RE: Well No. Anschutz Ranch East #2-30  
NWNE Sec. 30, T.4N, R.3E  
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. Directional survey data shall be submitted at time of completion.

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

RONALD J. FIRTH - Engineer  
Office: 533-5771  
Home: 571-6068

OR

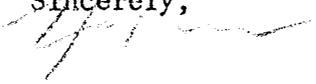
CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

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 43-043-30218.

Sincerely,

  
Norman C. Stout  
Administrative Assistant

NCS/as  
Enclosure

Utah State ✓

DOUBLE "D" ENTERPRISES

B.O.P. Test Report

B.O.P. TEST PERFORMED ON: 1-17-83

WELL CO: Amoco

WELL NAME & NUMBER EAST ANSCHUTZ W-30-02

SECTION: 30

TOWNSHIP: 4N

RANGE: 8-E

COUNTY: Summitt STATE: Utah

DRILLING CONTRACTOR: Manning 35-E

TESTED BY: DOUBLE "D" ENTERPRISES, INC.  
712 Morse Lee Street  
Evanston, Wyoming 82930

PHONE NUMBERS: (307) 789-9213, or (307) 789-5821

EVANSTON SHOP ADDRESS:  
96 WILLOW WAY  
SUNSET INDUSTRIAL PARK  
EVANSTON, WYOMING 82930

State of Utah

INVOICES BILLED OUT OF:

DOUBLE "D" ENTERPRISES, INC.  
P.O. Box 560  
Shoshoni, Wyoming 82649

DRILL CO. SITE REPRESENTATIVE: Don Keeney

RIG TOOL PUSHER: Clarence Auther

TESTED OUT OF Evanston OFFICE:

NOTIFIED PRIOR TO TEST: Utah Oil & Gas Commission

COPIES OF THIS TEST REPORT SENT COPIES TO: Utah Oil & Gas Commission  
Don Keeney - Amoco  
Amoco Office - Evanston  
Clarence Auther - Manning

ORIGINAL CHART & TEST REPORT ON FILE AT: Evanston OFFICE

Shane McKeown Phone Number (307) 789-4790  
Mike Rykhus Phone Number (307) 789-5162  
Evanston, Wyoming 82930

TESTED by  
Shane McKeown

# DOUBLE D" TESTING

DELIVERY TICKET

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

No 927

RENTED TO AMOCO NO. \_\_\_\_\_

ORDERED BY Don Keeney LEASE FANSHUTZ DATE 1-17-88 WELL NO. W-30-02

Rental begins when tools leave our warehouse and continues until returned thereto. Rental day starts at midnight and part day shall be charged as full day.

TRANSPORTATION - TO AND FROM JOBSITE 40 MILES 100 \$ 4000

DOUBLE D Portable BLOWOUT PREVENTER PRESSURE TESTING SERVICE: \$ 800 00

First eight hour test period ..... \$ \_\_\_\_\_

Additional eight hours or fraction. .... \$ \_\_\_\_\_

Items Tested:

<u>pipe</u> rams to <u>3000</u> #	Csg. to _____ #	Choke Manifold <u>3000</u> #
<u>pipe</u> rams to <u>3000</u> #	Hydril B O P to <u>2000</u> #	Kelly Cock <u>3000</u> #
<u>BLIND</u> rams to <u>3000</u> #	Choke Line <u>3000</u> #	Safety Valve <u>3000</u> #
_____ rams to _____ #	<u>Dart 3000</u> #	<u>Safety 3000</u> #

TEST SUBS 12" OCT TEST Plug @ 150 00 \$ 150 00

OTHER 12" OCT Retriever @ 150 00 NO CHARGE

2 4 1/2 IF TEST SUBS @ 50 00 ea 100 00

50 gallons metal @ 2 00 gal 100 00

manifold & choke line filled w/ metal

All tests held 15 min ea

BOPs & valves in excellent shape

BOP closing time 5 seconds

Accumulator pressure - 2800

manifold on accumulator - 1500

ANNULAR pressure - 750

set wear RING when done

closed casing head valve when done

Manning 35 SUB TOTAL 1,190 00

We Appreciate Your Business

**THANKS**

TOTAL . . . \$ \_\_\_\_\_

TERMS NET CASH - NO DISCOUNT. (PRICES SUBJECT TO CHANGE WITHOUT NOTICE): Terms and Conditions Under Which Tools and Other Equipment Are Rented: Lessor exercises precautions to keep its tools and other equipment in good condition, but does not guarantee its condition. All tools and other equipment rented from Lessor is used at Lessee's sole risk. Lessee agrees that Lessor shall not be liable for any damages for personal injuries to any persons or for any damage to Lessor's property or the property of other persons that may be caused by any of such tools or other equipment, or that may be caused by its failure during use, and Lessee hereby agrees to hold harmless and indemnify Lessor against all persons for all personal injuries and/or property damage. Well conditions which prevent satisfactory operation of equipment do not relieve Lessee of his responsibility for rental charges. Lessee assumes all responsibility for equipment while out of possession of the Lessor and promises to return such equipment to the Lessor in as good condition as it was at the effective date of the lease, natural wear and tear from reasonable use thereof excepted. All equipment lost or damaged beyond repair will be paid for by the Lessee at the market price and all damaged equipment which can be repaired will be repaired and the repairs paid for by the Lessee. Accrued rental charges cannot be applied against the purchase price or cost of repairs of such damaged or lost equipment. All transportation charges must be borne by the Lessee. Rental begins when equipment leaves Lessor's yard and continues until returned thereto. ALL TOOLS AND EQUIPMENT SHALL REMAIN the sole property of Lessor. This lease is made and shall be effective when the equipment is delivered to the carrier selected by the Lessee.

TERMS: Net Cash - No Discount. All charges are due and payable at the office of Lessor in Shoshoni, Wyoming on the 20th of the month following date of invoice. Interest will be charged at the rate of 8%. Interest charged after 60 days from date of invoice.

Delivered By:

OWNER OR OWNER'S REPRESENTATIVE

By: Shane McKown & Martin Rojas

Rig #	Company	Well Name	DATE of test	TESTER
Manning 35-E	Amoco	EAST ANSCHUTZ W-30-02	1-17-83	Shane McKeown

Test #	Time	Description
	9:00 PM	ARRIVED ON LOCATION.
	9-10:30	Help nipple-up
	10:30-11:00	Kelly up close upper Kelly Rig up lower Kelly; SAFETY valve & Dart valve & Kelly sub & Help Nipple-up
1.	11-11:15	TEST DART 3000 15 min OK
	11:15-11:30	Rig down Kelly sub & Dart Rig up Kelly sub
2.	11:30-11:45	TEST SAFETY valve 3000 15 min OK
3.	11:45-12:00 AM	TEST lower Kelly 3000 15 min OK
4.	12-12:15	TEST upper Kelly 3000 15 min OK
	<del>12</del>	HELPED HOOK UP KOOMEY LINES while testing Kelly
	12:15-1:00	Rig down Kelly sub & SAFETY valve Kelly down Pick up mouse hole Pick up joint Rig up TOP SUB & circulating SUB Rig up plug work Rams & HCR TO make sure Hooked up right - OK RUN Plug & Fill STACK
5.	1-1:15	TEST lower pipe Rams TO 3000 15 min OK
6.	1:15-1:30	TEST upper pipe Rams TO 3000 & 1st manual Kill & manual choke line valve 3000 15 min OK
7.	1:30-1:45	TEST HCR & 2nd manual kill line valve 3000 15 min OK
	1:45-2:00	TEST ATTEMPT ON HYDRIL BUBBLING BY BLADDER work HYDRIL & STEAM HYDRIL TO LOOSEN BLADDER

Company

Case & Well Name

DATE of TEST

Test #

Time

8.

245-300

TEST HYDRIL & Vertical Riser  
value to 2000 15 min OK

300-315

BACK out joint & tie into  
MANAFOLD to TEST BLINDS

9.

315-330

TEST BLINDS TO 3000 & check  
value 15 min OK 1st 3 <sup>MANAFOLD</sup> values

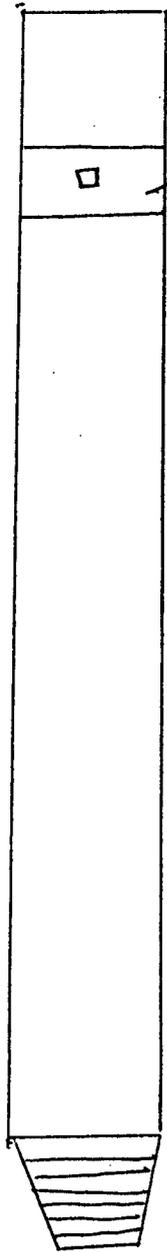
10.

330-400

TEST manual choke to  
3000 30 min bleed 500 lbs  
in 30 min OK

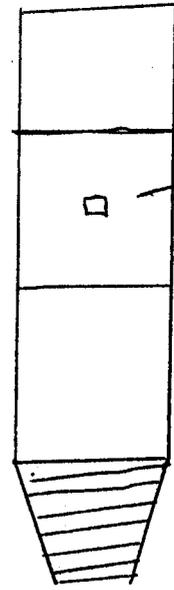
330-500

Pull Plug & Rig DOWN Plug  
Rig up wear ring retriever  
RUN & SET WEAR RING. Rig  
DOWN SUBS & RETRIEVER  
SET values correctly  
Fill manifold with  
metal SPool up & LOAD  
TRUCK

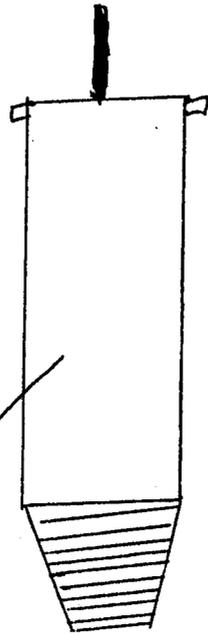


#1

#4



#3



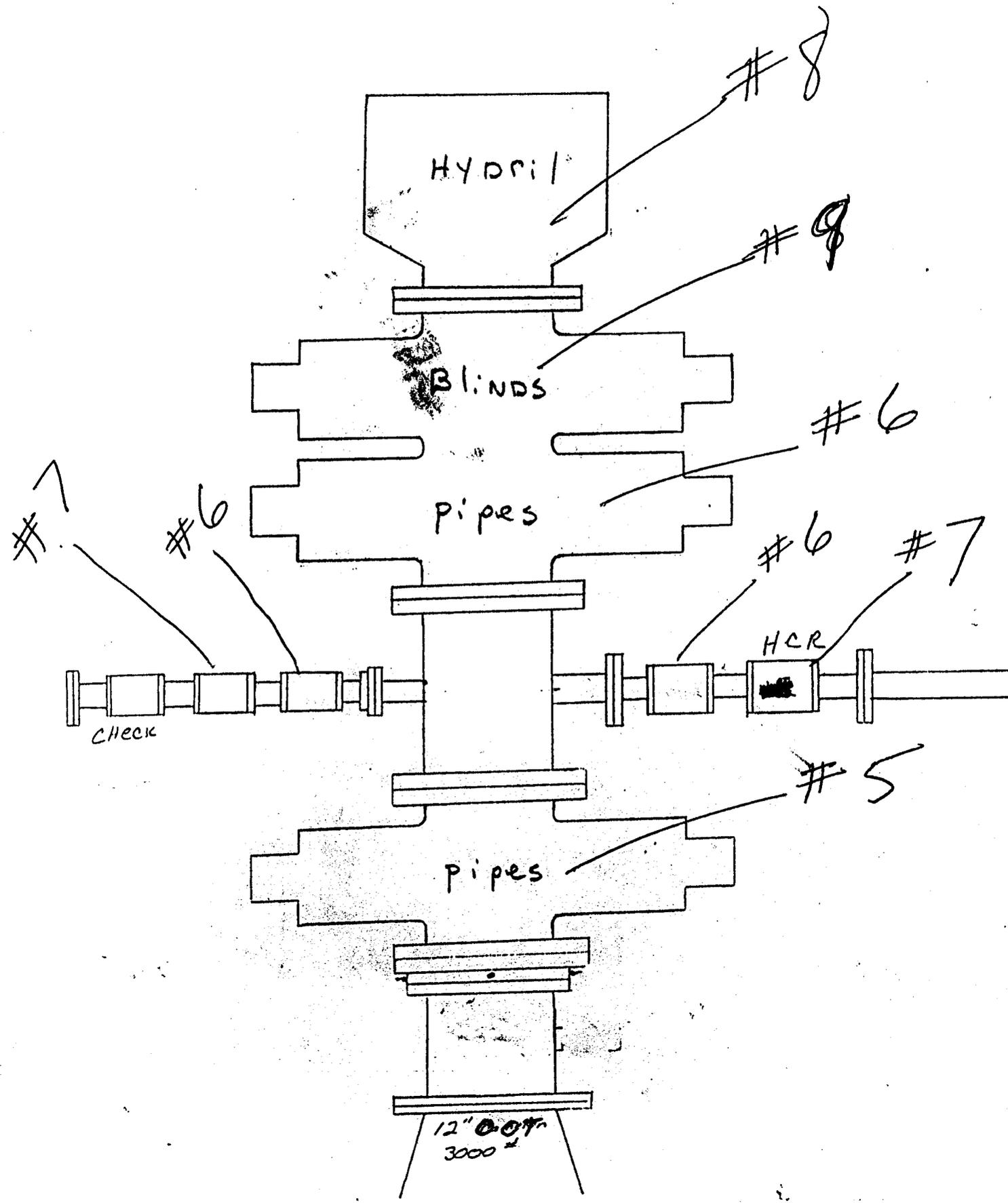
#2



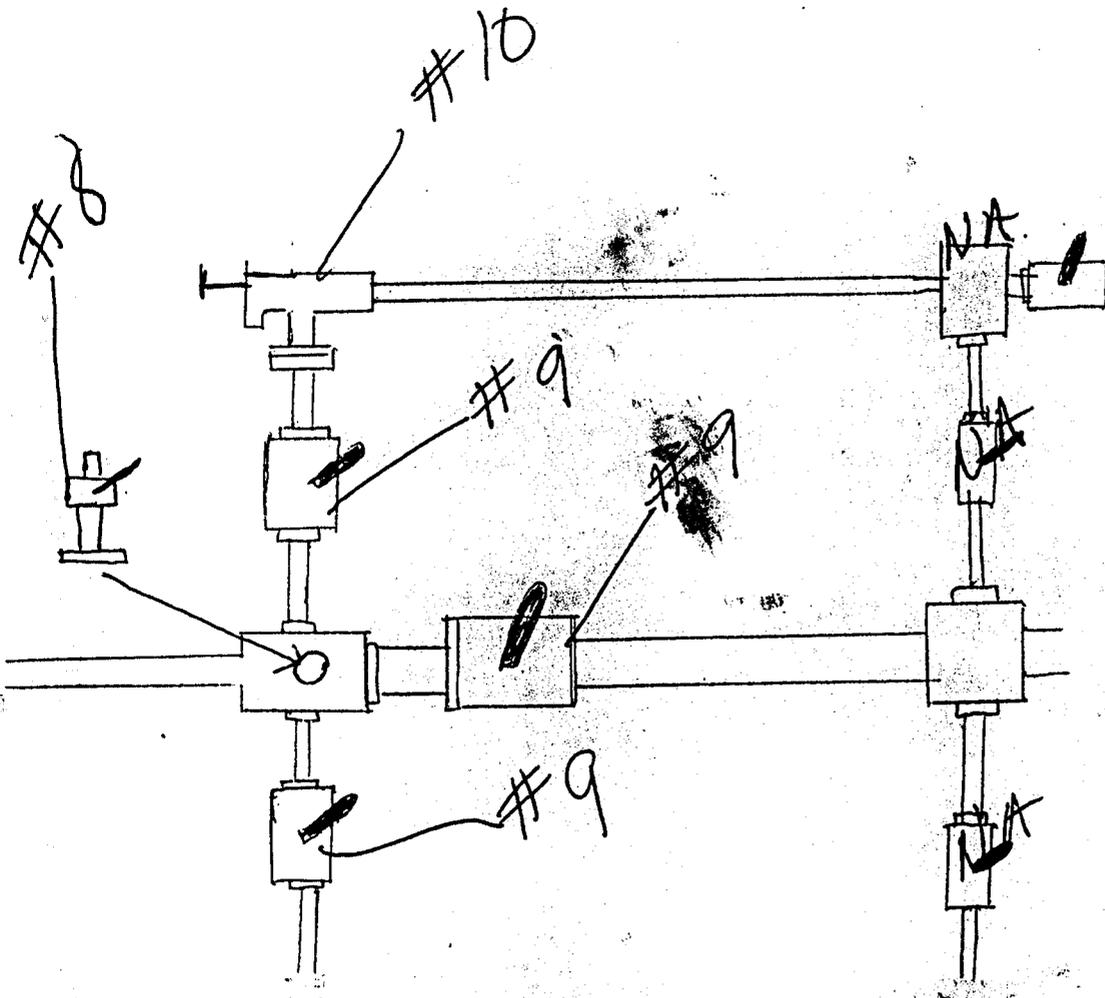
MANNING 3

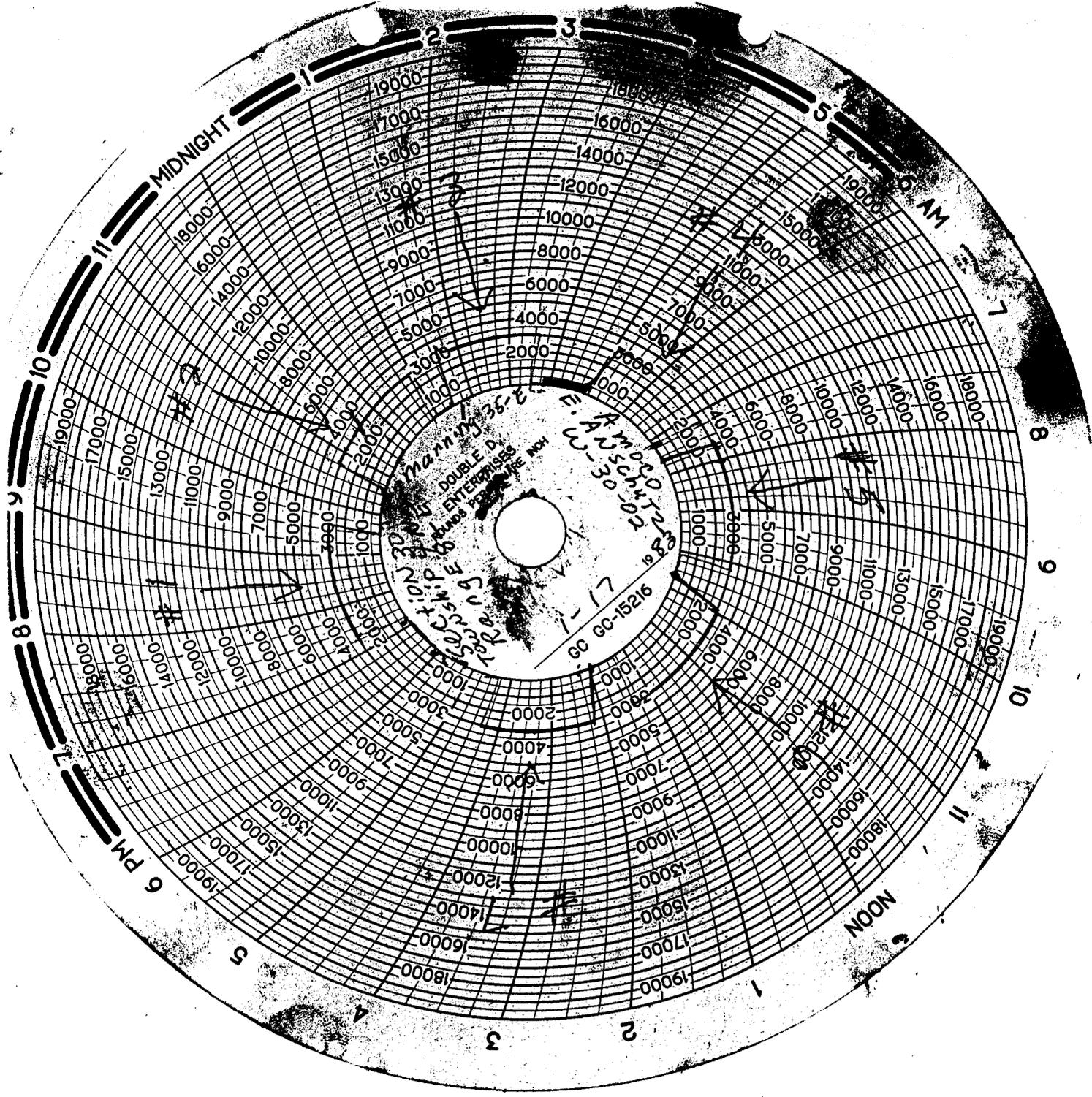
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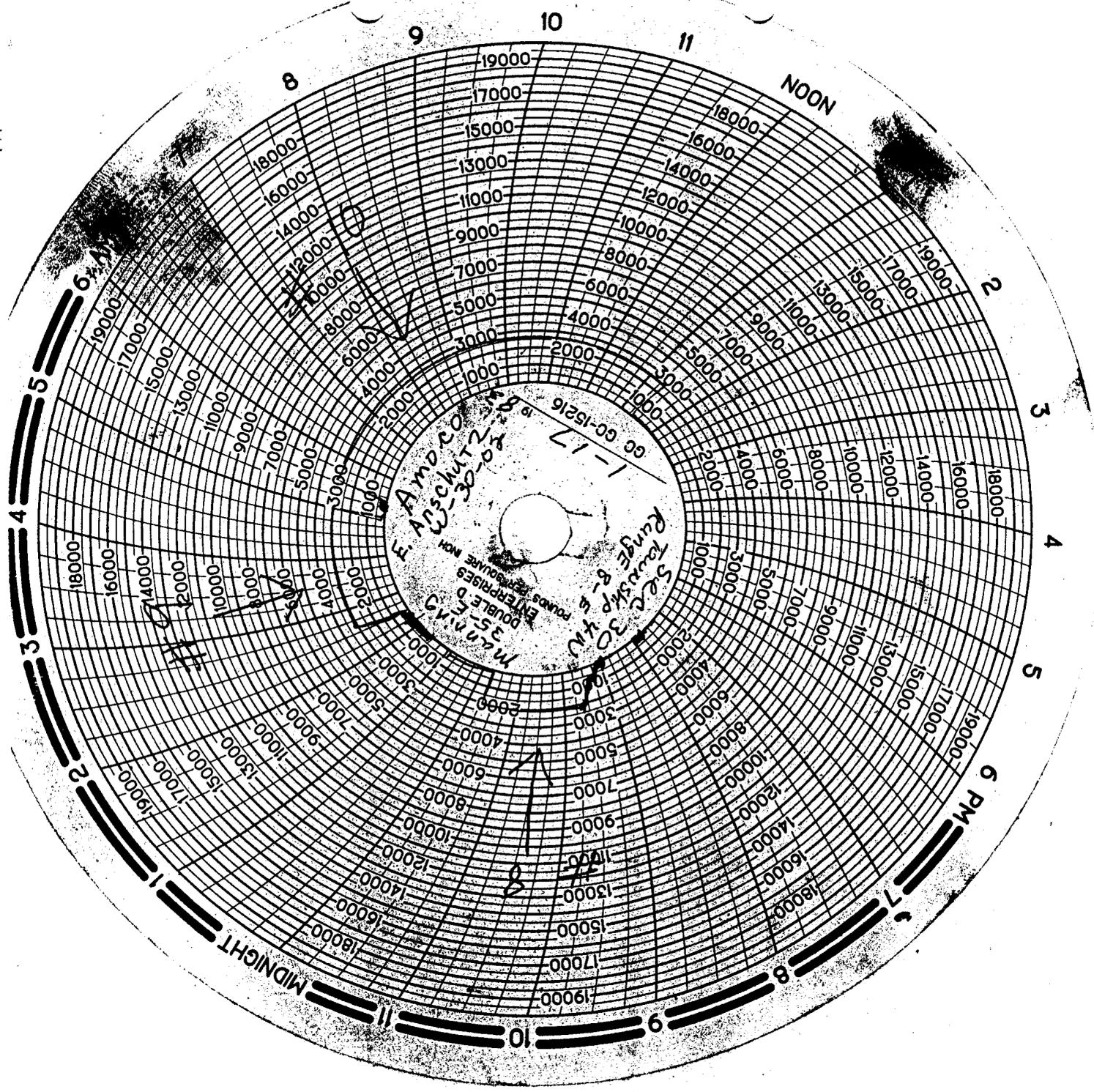
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Manning # 35







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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 715' FNL & 2182' FEL		8. FARM OR LEASE NAME Anschutz Ranch East Unit
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.)	9. WELL NO. W30-02
		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 30, T4N, R8E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

DIVISION OF OIL, GAS AND MINING

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

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

Drilling Ahead at 9342' w/12 1/4" bit

Drilling Contractor: R.L. Manning #35

Casing: 13 3/8" SA 5198'

Spud Date: 12/31/82

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

SIGNED

TITLE

Administrative Supervisor

DATE

2/28/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

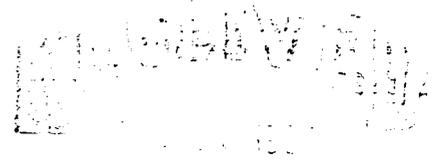


**Amoco Production Company**

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

T. G. Doss  
District Superintendent

February 9, 1983



State of Utah  
Division of Oil, Gas, and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

DIVISION OF  
OIL, GAS & MINING

File: DSD-251-031.190

Anschutz Ranch East Unit Operations - Summit County, Utah

Amoco Production Company herewith advises that the following wells within the subject unit have been renamed as noted:

<u>Old Well Name:</u>	<u>New Well Name/Location:</u>
✓ Anschutz U2-30	Anschutz Ranch East Unit W30-02 Sec. 30, T4N, R8E
Anschutz U6-20	Anschutz Ranch East Unit W20-06 Sec. 20, T4N, R8E
Anschutz U30-06	Anschutz Ranch East Unit W30-06 Sec. 30, T4N, R8E
Anschutz U8-20	Anschutz Ranch East Unit W20-08 Sec. 20, T4N, R8E
Anschutz U8-30	Anschutz Ranch East Unit W30-08 Sec. 30, T4N, R8E
Anschutz U10-20	Anschutz Ranch East Unit W20-10 Sec. 20, T4N, R8E
Anschutz U10-30	Anschutz Ranch East Unit W30-10 Sec. 30, T4N, R8E
Anschutz U12-20	Anschutz Ranch East Unit W20-12 Sec. 20, T4N, R8E

<u>Old Well Name:</u>	<u>New Well Name/Location:</u>
Anschutz U14-20	Anschutz Ranch East Unit W20-14 Sec. 20, T4N, R8E
Anschutz U14-30	Anschutz Ranch East Unit W30-14 Sec. 30, T4N, R8E
Anschutz U16-20	Anschutz Ranch East Unit W20-16 Sec. 20, T4N, R8E
Anschutz U16-30	Anschutz Ranch East Unit W30-16 Sec. 30, T4N, R8E
Bountiful Livestock #1	Anschutz Ranch East Unit W16-14 Sec. 16, T4N, R8E
Bountiful Livestock "A" #1	Anschutz Ranch East Unit W16-06 Sec. 16, T4N, R8E
Champlin 458 Amoco "D" #1	Anschutz Ranch East Unit W29-04 Sec. 29, T4N, R8E
Champlin 458 Amoco "D" #2	Anschutz Ranch East Unit W29-02 Sec. 29, T4N, R8E
Champlin 458 Amoco "D" #3	Anschutz Ranch East Unit W29-12 Sec. 29, T4N, R8E
✓Champlin 458 Amoco "D" #5	Anschutz Ranch East Unit W29-14 Sec. 29, T4N, R8E
Champlin 458 Amoco "D" #6	Anschutz Ranch East Unit W29-06 Sec. 29, T4N, R8E
Champlin 458 Amoco "E" #1	Anschutz Ranch East Unit W31-08 Sec. 31, T4N, R8E
Champlin 458 Amoco "E" #2	Anschutz Ranch East Unit W31-04 Sec. 31, T4N, R8E
✓Champlin 458 Amoco "E" #5	Anschutz Ranch East Unit W31-02 Sec. 31, T4N, R8E
Champlin 458 Amoco "E" #6	Anschutz Ranch East Unit W31-06 Sec. 31, T4N, R8E
Champlin 458 Amoco "F" #1	Anschutz Ranch East Unit W21-04 Sec. 21, T4N, R8E
Champlin 458 Amoco "F" #2	Anschutz Ranch East Unit E21-14 Sec. 21, T4N, R8E
Island Ranching "E" #2	Anschutz Ranch East Unit W36-08 Sec. 36, T3N, R7E
Thousand Peaks Ranches #1	Anschutz Ranch East Unit W32-04 Sec. 32, T4N, R8E

Division of Oil, Gas, and Mining  
DSD-251-031.190  
Page Three

For your information the letter preceding the well number (W-E) refers to the West/East Nugget structure within the Anschutz Ranch East Unit. Should you have questions concerning the well name changes, please contact Scheree Wilcox at this office, 801-264-2200.

*T.G. Doss*

T.G. Doss  
District Superintendent

SW/

cc: State of Wyoming  
Oil and Gas Conservation Commission  
P.O. Box 2640  
Casper, Wyoming 82601

DOUBLE "D" ENTERPRISES  
B.O.P. Test Report

B.O.P. TEST PERFORMED ON (DATE) ..... 5/2/83 ..... TICKET 1181 .....

OIL CO: ..... Amoco .....

WELL NAME & NUMBER .. A.R.E. W-30-02 .....

SECTION .....

TOWNSHIP .....

RANGE .....

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

DRILLING CONTRACTOR ..... Manning (S.E.) .....

INVOICES BILLED FROM: DOUBLE "D" ENTERPRISES, INC.  
213 Pine Street

PHONE NUMBERS: Shoshoni, Wyoming 82649  
(307) 876-2308, or (307) 876-2234, or 876-9301

TESTED BY: DOUBLE "D" ENTERPRISES, INC.  
712 Morse Lee Street

PHONE NUMBERS: Evanston, Wyoming 82930  
(307) 789-9213, or (307) 789-9214

OIL CO. SITE REPRESENTATIVE .....

RIG TOOL PUSHER: .....

TESTED OUT OF ..... Evanston .....

NOTIFIED PRIOR TO TEST: .....

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

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

Mike Rhykus (307) 789-7298  
Shane McKeown (307) 789-4790  
(TESTERS)  
Evanston, Wyoming 82930

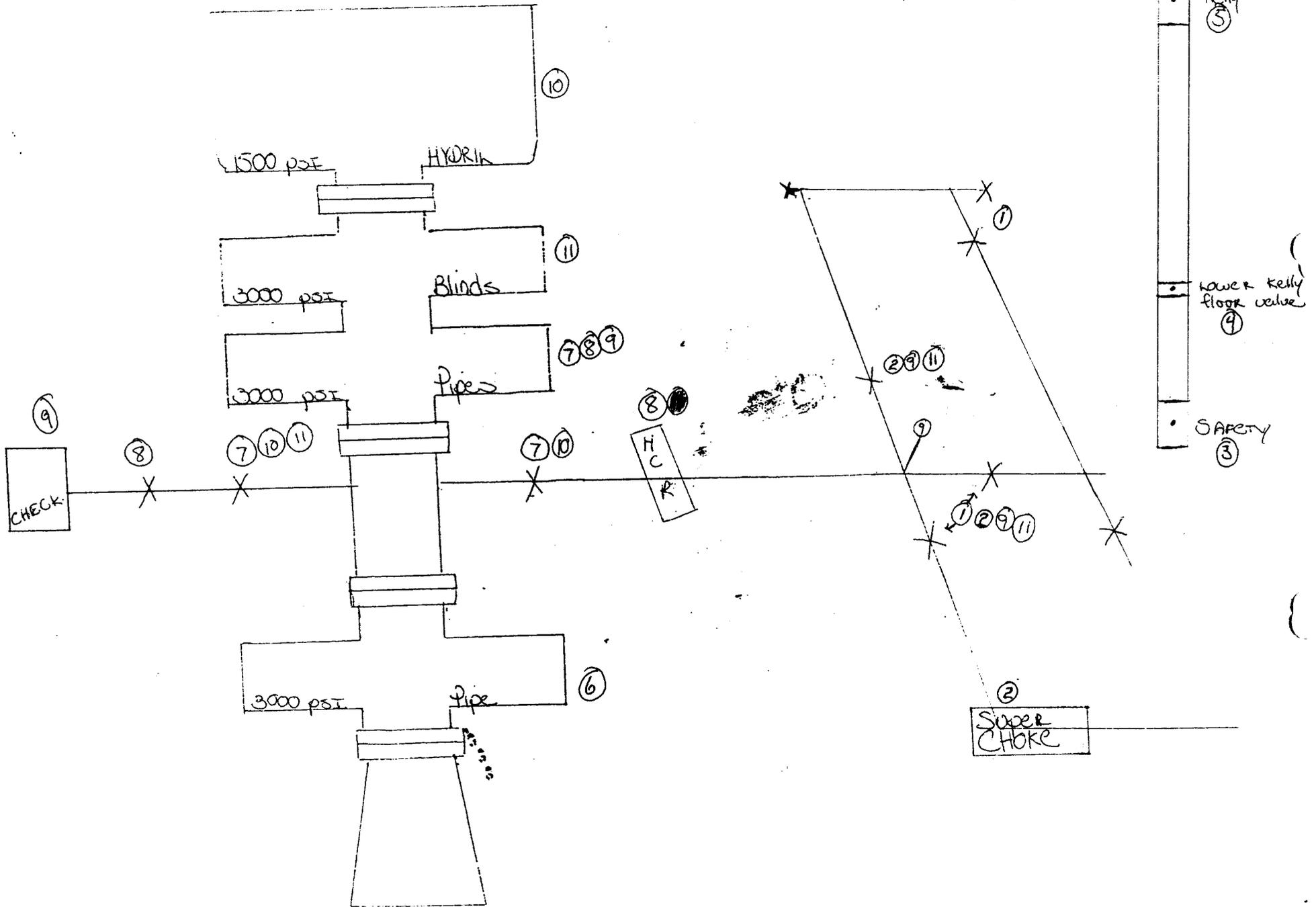
Company	Lease #: Well Name #	Date of Test	Rig #
Amoco	ARE W-30-02	5/2/83	MAN 35 E

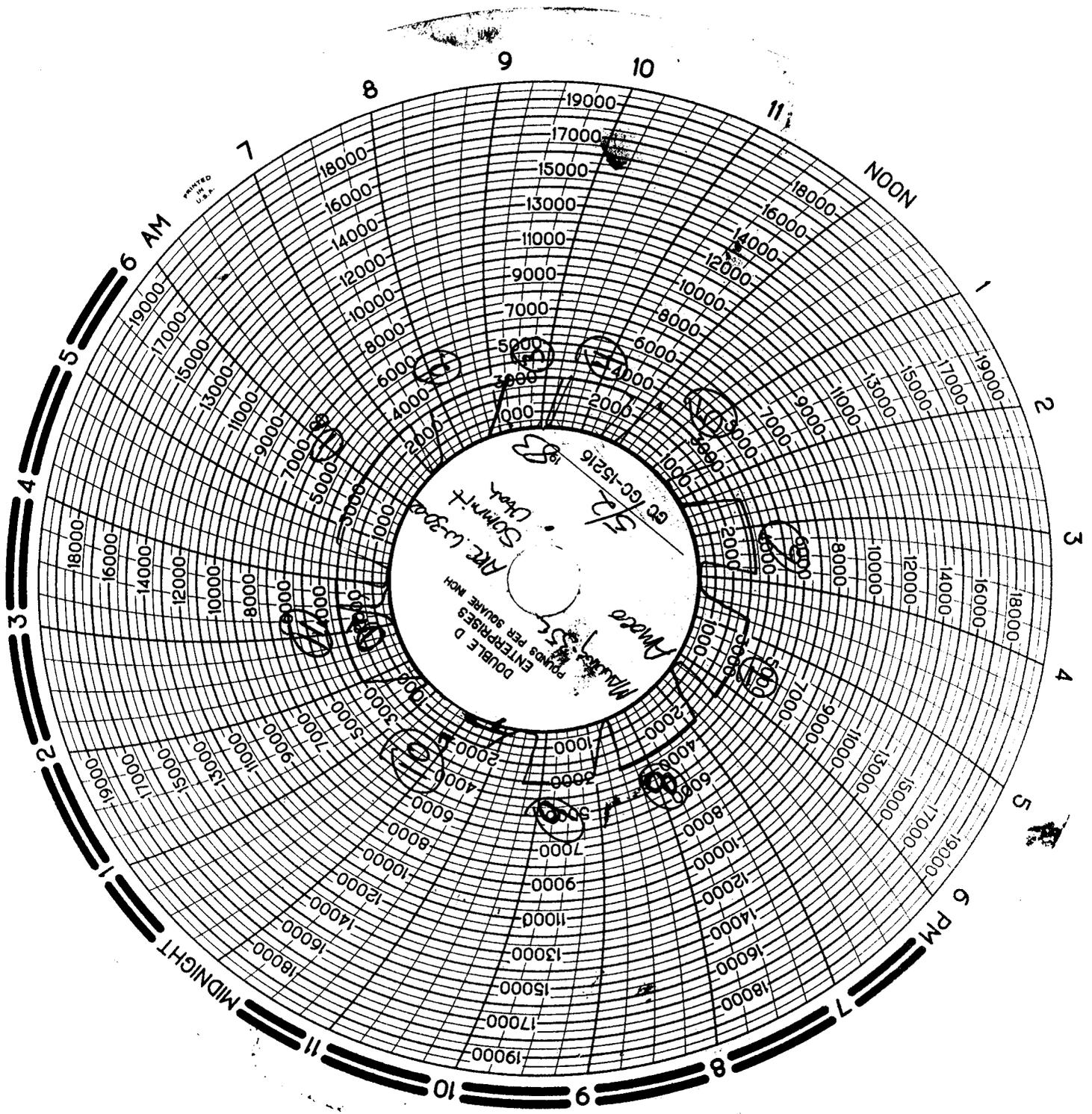
Test #	Time	Description
	8:45-10:00	load truck & travel to location - rig up testing tools
①A	10:00-15	leak on manifold (nipple to super choke manifold) was leaking
①B	10:15-30	Outside manuals on manifold @ 3000 15 min
②	35-50	Pressure up on Super Choke @ 3000 15 min
	10:50-11:30	Wait on end of trip; kelly up - make up test subs
③	11:30-45	Safety @ 3000 15 min
④	11:50-12:05	lower kelly or floor valve @ 3000, 15 min
⑤	12:10-12:25	Upper kelly @ 3000, 15 min
	12:25-1:05	Rig down kelly, test sub, pull wearbushing, rig up to test Set plug - fill stack
⑥	1:10-1:25	lower pipes @ 3000 15 min
⑦	1:30-45	Upper pipes, inside manuals on B.O.P.
⑧	50-2:05	Upper pipes, outside manual on kill line, H.C.R.
⑨	2:10-25	Upper pipes Check Valve, riser valve on manifold
⑩	30-45	HYDRIL @ 1500 p.s.f. 15 min
⑪	45-3:10	(Rig down tools) Test Blind Rams @ 3000 p.s.f. 15 min
	3:10-3:30	Set wearbushing, unload tools, closed casinghead valve, inside valves on B.O.P.s

Travel to Shop.

All Tests held 15 minutes

5/2/85 - Manning 35 R  
 Test held 15 min. 3000 psi  
 1500 psi (HYDRIN)





PRINTED  
IN  
U.S.A.

AMERICA  
ENTERPRISES  
PRICES PER SQUARE FOOT  
RMC (1-30-20)  
SOMMIT  
Crew  
52  
GC GC-15216  
8

DOUBLE "D" ENTERPRISES  
B.O.P. Test Report

B.O.P. TEST PERFORMED ON (DATE) *3-30-83* *Ticket 1147*

OIL CO: *Amoco Prod.*

WELL NAME & NUMBER *Anschutz W-30-02*

SECTION

TOWNSHIP

RANGE

COUNTY *Summit* STATE *Utah*

DRILLING CONTRACTOR *Manning #35*

INVOICES BILLED FROM: DOUBLE "D" ENTERPRISES, INC.  
213 Pine Street  
Shoshoni, Wyoming 82649  
PHONE NUMBERS: (307) 876-2308, or (307) 876-2234, or 876-9301

TESTED BY: DOUBLE "D" ENTERPRISES, INC.  
712 Morse Lee Street  
Evanston, Wyoming 82930  
PHONE NUMBERS: (307) 789-9213, or (307) 789-9214

OIL CO. SITE REPRESENTATIVE *Jim Tracey*

RIG TOOL PUSHER: *Don*

TESTED OUT OF *Evanston office*

NOTIFIED PRIOR TO TEST:

COPIES OF THIS TEST REPORT SENT COPIES TO: *Utah oil & Gas Comm.*

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

Mike Rhykus (307) 789-7298  
Shane McKeown (307) 789-4790  
(TESTERS)  
Evanston, Wyoming 82930

Company

LEASE & WELL NAME

DATE

RIG #

Amoco Prod.

Arshutz w-30-02

3-20-83

Manning #35

Test #

Time

①

3:05 - 3:20

Test Port value

3:20 - 4:00

Rig up rig tongs & pick up Kelly

②

4:00 - 4:15

Test floor value #1

③

4:15 - 4:30

Test floor value #2

④

4:50 - 5:10

Test upper Kelly

5:10 - 5:50

Attempt to psi up on B-pipes (rams not working)

⑤

5:50 - 6:10

Test T-pipe Rams - Inside values on choke & kill lines (leaking from tattle tale on ram doors)

⑥

6:15 - 6:30

Test Bottom Pipe Rams

⑦

6:40 - 6:55

Test Hydril (same leak as on test #5)

⑧

7:10 - 7:25

Test choke line & inside values in manifold.

⑨

7:30 - 7:45

Test choke line & 2nd values in manifold.

⑩

7:45 - 8:00

Test T-pipe Rams Inside manual values on chokes & kill lines leaking out tattle tale on ram doors

⑪

8:05 - 8:20

Same as test #10

⑫

8:30 - 8:45

Test Blind Rams - leaking out tattle tail on ram doors

⑬

9:00 - 9:15

Test cameron chokes

next night

⑭

9:45

Blinds 1st kill

⑮

10:11

Upper Pipes 1st choke - 2nd kill valves

⑯

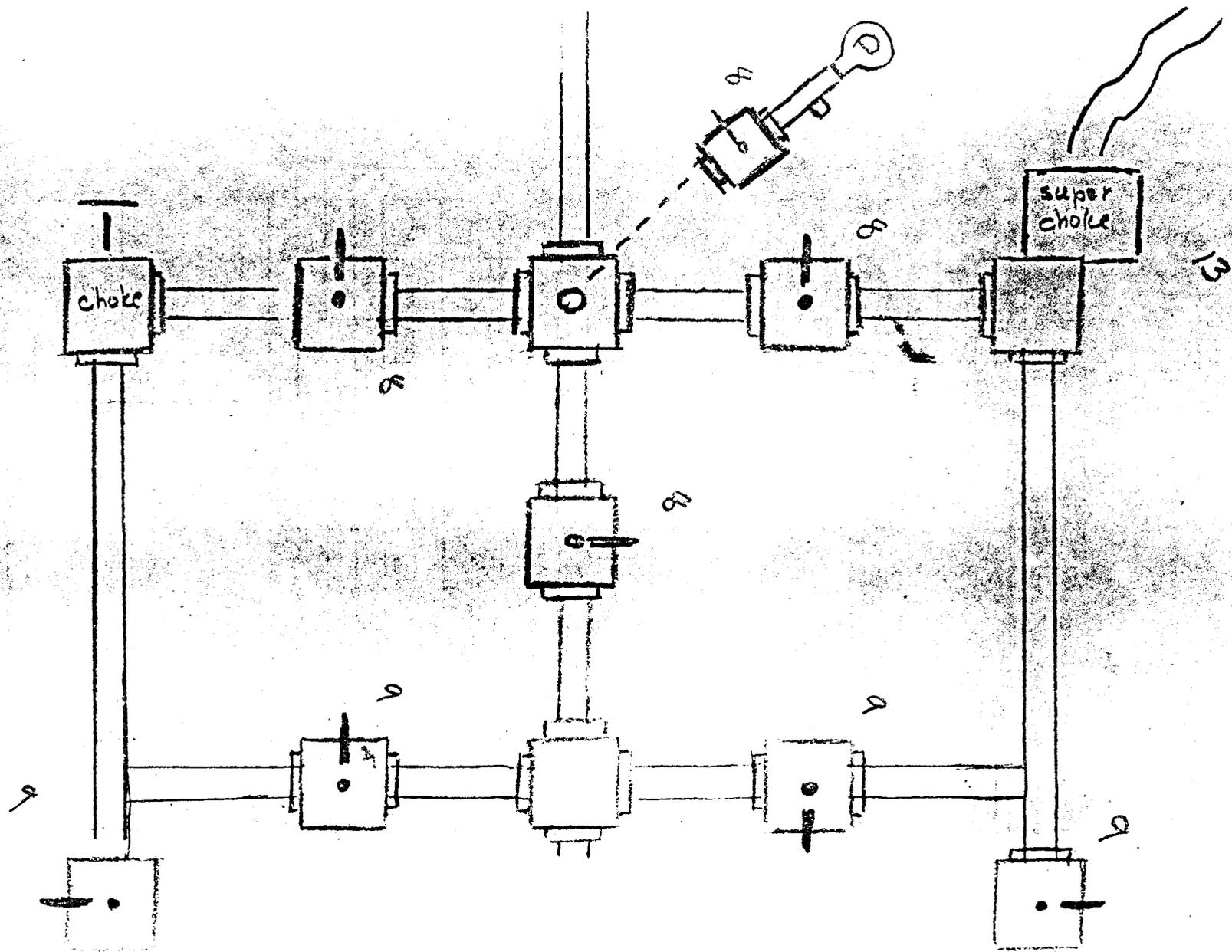
10:26

Upper Pipes check - ACP

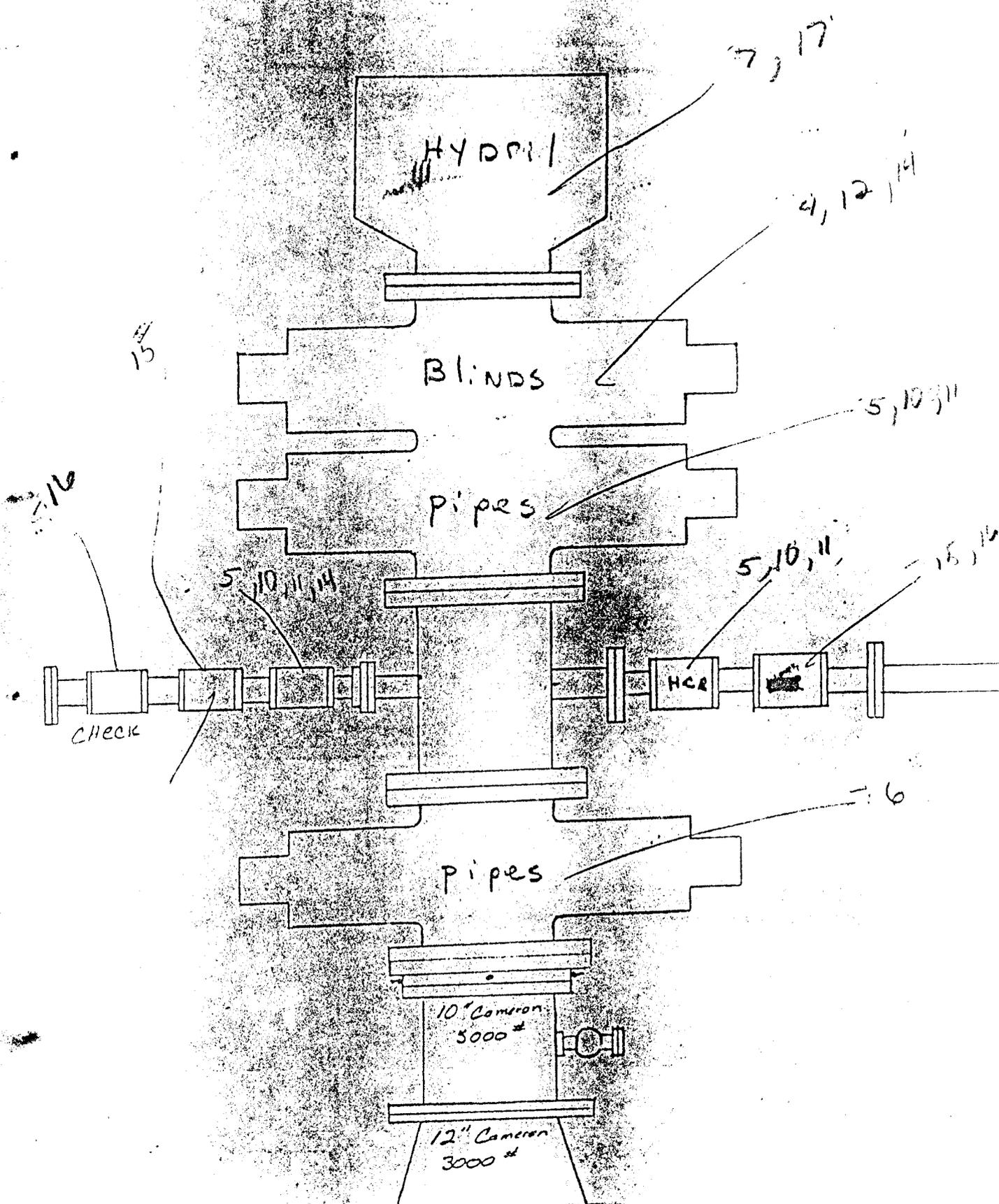
⑰

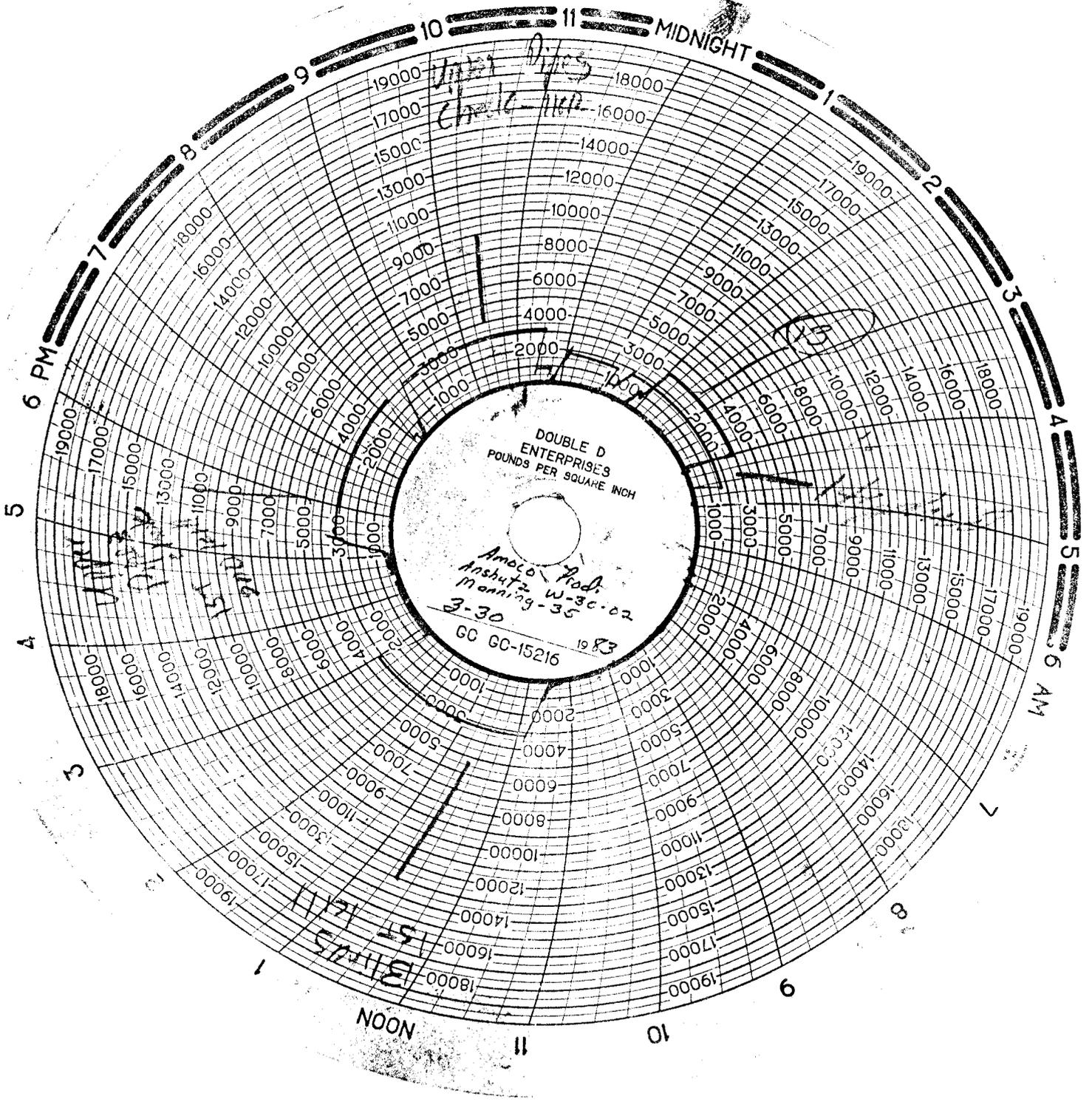
10:45

Hydril.



PLANNING 35





DOUBLE D  
ENTERPRISES  
POUNDS PER SQUARE INCH

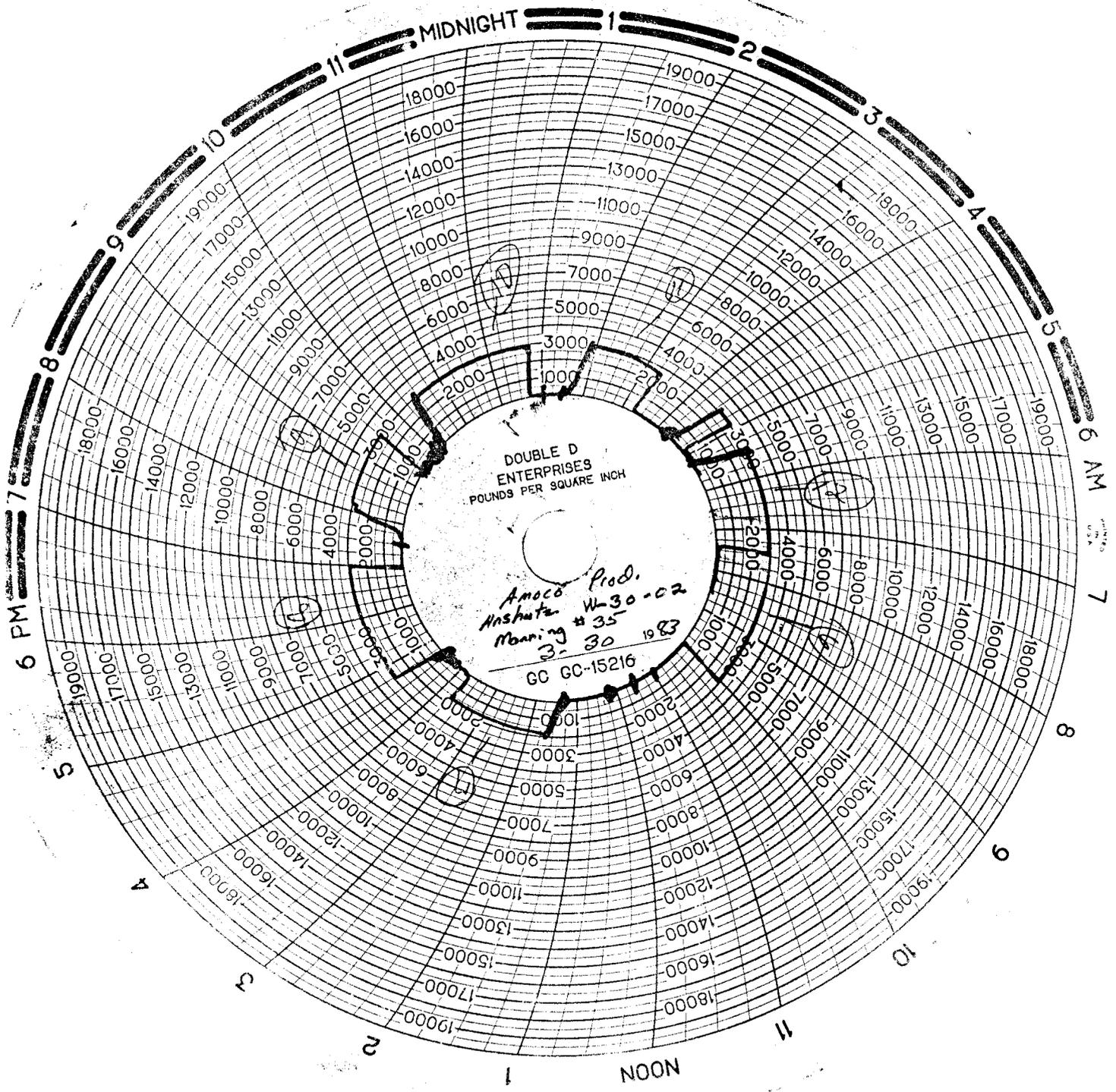
Amoco Prod.  
Anschutz W-30-02  
Manning-35  
3-30  
GC GC-15216 1983

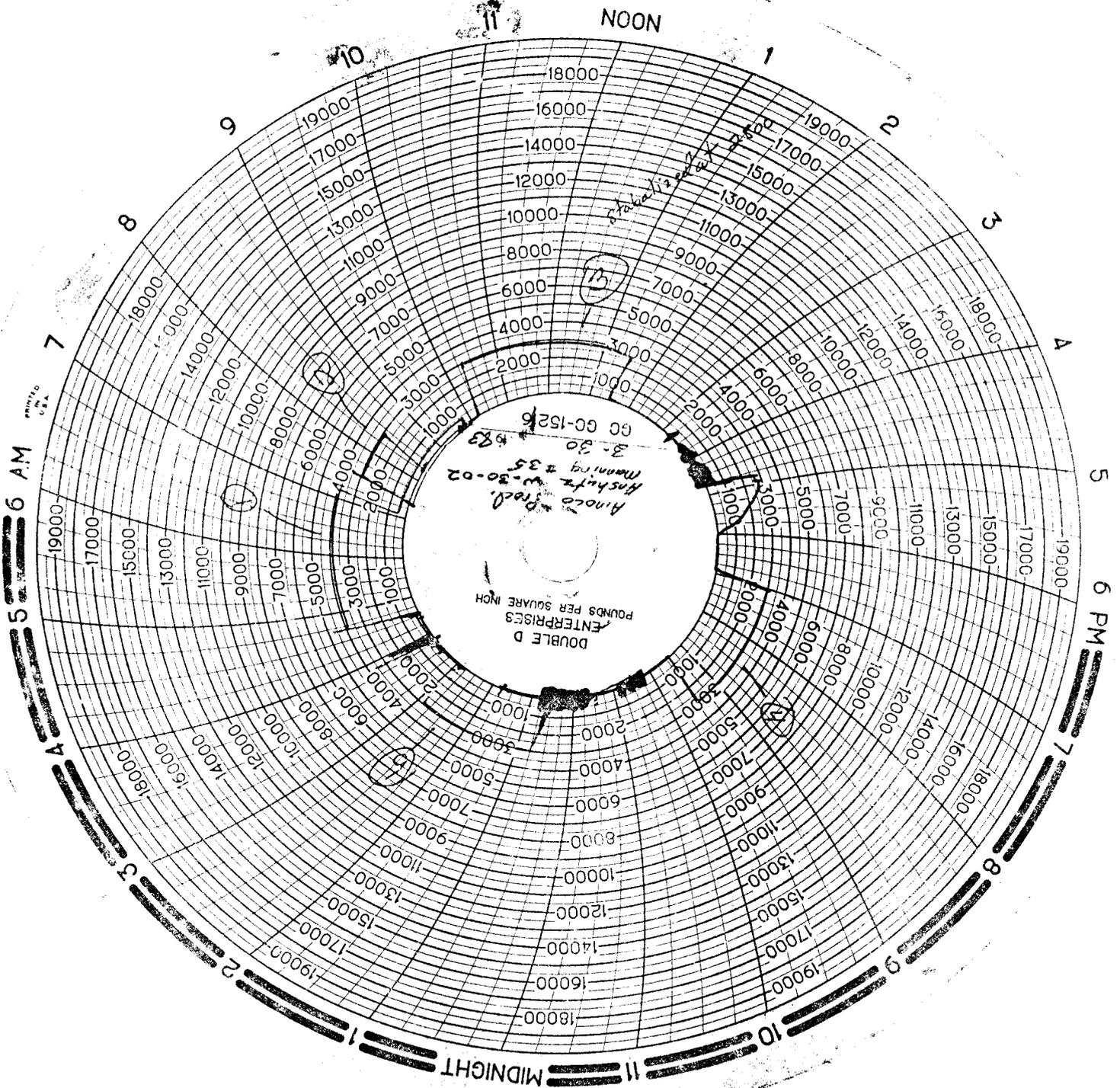
Upper Pipes  
Choke line

15T

15T

15T





DOUBLE D  
ENTERPRISES  
POUNDS PER SQUARE INCH

Hisco Prod.  
HSH-30-02  
Manning 335  
3-30  
GC GC-1526

6 AM

5

4

3

2

1

12

11

10

9

8

7

6

5

4

3

2

1

MIDNIGHT

NOON

1

2

3

4

5

6 PM

7

8

9

10

11

12



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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. FEE
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 17675 - Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 715' FNL and 2182' FEL		8. FARM OR LEASE NAME Anschutz Ranch East
14. PERMIT NO. 43-043-30218	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 7654' GR	9. WELL NO. W30-02
		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East
		11. SEC., T., R., M., OR B.LK. AND SURVEY OR AREA Sec. 30, T4N, R8E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

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

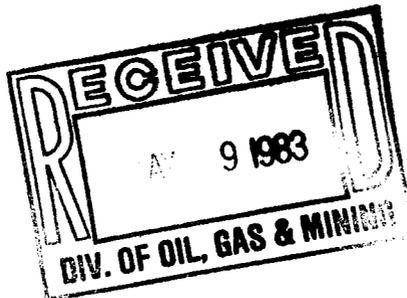
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	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) Report of Operations <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.)\*

Drilling Ahead at 13202' with 8.5" Bit

Drilling Contractor: MANNING #35

✓ Spud Date: 12-31-82



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

SIGNED

*[Signature]*

TITLE Staff Admin. Analyst (SG)

DATE

4-29-83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p>1. <input type="checkbox"/> OIL WELL    <input type="checkbox"/> GAS WELL    <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Amoco Production Company</p> <p>3. ADDRESS OF OPERATOR P.O. Box 17675    Salt Lake City, Utah    84117</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  715' FNL &amp; 2182' FEL</p> <p>14. PERMIT NO. 43-043-30218</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME Anschutz Ranch East</p> <p>8. FARM OR LEASE NAME Anschutz Ranch East</p> <p>9. WELL NO. W30-02</p> <p>10. FIELD AND POOL, OR WILDCAT Anschutz Ranch</p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 30, T4N, R8E</p> <p>12. COUNTY OR PARISH Summit</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7654' GR</p>	

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

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

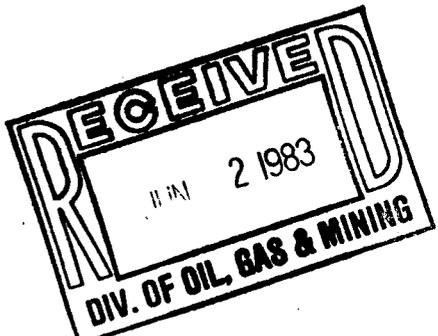
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Date: 5-16-83

TD: 13,920'

Drilling ahead with 8.5" Bit



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

SIGNED Larry A. Smith TITLE Staff Administrative Analyst (SG) DATE 5/27/83

(This space for Federal or State office use)

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

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Preliminary  
Completion Report

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other Gas Injection well

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

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

P.O. Box 829, Evanston, WY 82930

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

At surface 715' FNL, 2182' FEL

NW NE

At top prod. interval reported below 509.5' S., 946' E from surface location

At total depth 742.7' S, 1160' E from surface location

14. PERMIT NO. 43-043-30218 DATE ISSUED 12-15-82

12. COUNTY OR PARISH Summit 13. STATE Utah

15. DATE SPUNDED 12-21-82 16. DATE T.D. REACHED 5-22-83 17. DATE COMPL. (Ready to prod.) 6-17-83 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 7676' KB 19. ELEV. CASINGHEAD 7674' GL

20. TOTAL DEPTH, MD & TVD 14,345' 21. PLUG, BACK T.D., MD & TVD 14,244' MD 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS Surf to TD CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 13,126 - 774' Nugget 25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN TDT, DIL, Dipmeter/Cyberdip, Microlog, CNL-FDC, BHC-sonic, Gyro 27. WAS WELL CORED yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	68,72	5198	17-1/2"	4050 sks "G" cmt	-----
9-5/8"	47,53,62	11,698	12-1/4"	1410 sx, "G" cmt	-----
7"	32	14,340	8-1/2"	120 sx "G" 225 sx "A"	-----

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

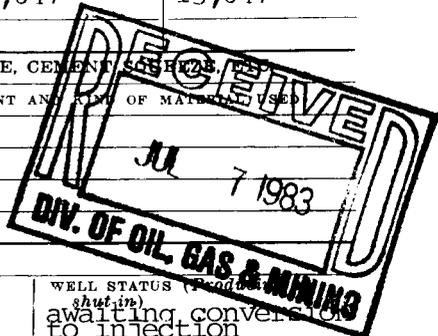
SIZE	DEPTH SET (MD)	PACKER SET (MD)
3-1/2"	13,047'	13,047'

31. PERFORATION RECORD (Interval, size and number)

13,126 - 196'; 13,208 - 256'; 13,275 - 310'; 13,326 - 359'; 13,377 - 458'; 13,468 - 507'; 13,534 - 586'; 13,620 - 676'; 13,750 - 774'; 4 JSPF, 0.50" 13,701-738'

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

DEPTH INTERVAL (MD)	AMOUNT AND TYPE OF MATERIAL USED



33.\* PRODUCTION

DATE FIRST PRODUCTION 6-17-83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing, shut-in, awaiting conversion to injection) awaiting conversion to injection

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-21-83	10	24/64"	→	401	1937	0	4830
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1735	0	→	962	4694	0	52	HPSCF STB

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

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] TITLE Staff Admin. Analyst (SG) DATE 6/1-9/83

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

# INSTRUCTIONS

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

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

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Coring Information: 13113' - 141' Results are given below

DST Information: None

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Nugget	13113'	14140'	sandstone, 11-1/2% porosity, 20% water saturation 80% retrograde gas saturation
<b>37. SUMMARY OF POROUS ZONES:</b> SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			
<b>38. GEOLOGIC MARKERS</b>			
	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
	Cretaceous	Surf.	
	Aspen	5142	
	Bear River	5598	
	Gannet	6947	
	Preuss	9921	
	Twin Creek	11,272	
	Nugget	13113	
	Ankareh	14,140'	

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)

Completion Report

5. LEASE DESIGNATION AND SERIAL NO.  
**Fee**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other Gas injection well

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

2. NAME OF OPERATOR  
**Amoco Production Company**

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **715' FNL, 2,182' FEL**  
At top prod. interval reported below **509.4' S., 846' E From Surf. Location**  
At total depth **742.7' S., 1,160' E. from Surf. Location**

14. PERMIT NO. **BHL 1457.FNL 1022FEL** | DATE ISSUED **43-043-30218 | 12-15-82**

7. UNIT AGREEMENT NAME  
**Anschutz Ranch East**

8. FARM OR LEASE NAME  
**Anschutz Ranch East**

9. WELL NO.  
**W30-02**

10. FIELD AND POOL, OR WILDCAT  
**Anschutz Ranch East**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 30, T4N, R8E**

12. COUNTY OR PARISH  
**Summit**

13. STATE  
**Utah**

15. DATE SPUNDED **12-21-82** | 16. DATE T.D. REACHED **5-22-83** | 17. DATE COMPL. (Ready to prod.) **6-17-83** | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **7676' KB** | 19. ELEV. CASINGHEAD **7674' GL**

20. TOTAL DEPTH, MD & TVD **14,345'** | 21. PLUG, BACK T.D., MD & TVD **14,244' MD** | 22. IF MULTIPLE COMPL., HOW MANY\* **--** | 23. INTERVALS DRILLED BY **Surf. to TD** | ROTARY TOOLS **Surf. to TD** | CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**13,126-774' Nugget**

25. WAS DIRECTIONAL SURVEY MADE  
**Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**TDT, DIL, DIPMETER, CYBERDIP, MICRO, CNL-FDC, SONIC, GYRO**

27. WAS WELL CORED  
**Yes**

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	68, 72	5198'	17-1/2"	4050 sx "G" cmt.	—
9-5/8"	47, 53, 62	11,698'	12-1/4"	1410 sx "G" cmt.	—
7"	32	14,340	8-1/2"	120 sx "G", 225 sx "A"	—

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					3-1/2"	13,036'	12,990'

31. PERFORATION RECORD (Interval, size and number)

**13,126-196'; 13,208-256'; 13,276-310';  
13,326-359'; 13,377-458'; 13,468-507';  
13,534-586'; 13,620'-676'; 13,701-738';  
13,750-774'; 4 TSPF, 0.5" holes**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
6-17-83	Flowing	Injecting					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-21-83	10	24/64"	→	401	1937	0	4830
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1735	0	→	962	4694	0	52	

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

TEST WITNESSED BY  
**Bob Schmidt**

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 Staff Admin Analyst TITLE Staff Admin Analyst (SG) DATE 7/13/83

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

# INSTRUCTIONS

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

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

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

**37. SUMMARY OF POROUS ZONES:**

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Nugget	13,113'	14,140'	Sandstone 11.5% porosity, 20% water saturation, 80% retrograde gas saturation

**38.**

**GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Cretaceous	Surf	
Aspen	5,142	
Bear River	5,598	
Gannet	6,947	
Preuss	9,921	
Twin-Creek	11,272	
Nugget	13,113	
Ankareh	14,140'	

CLASS II FILE NOTATIONS

\*\*\*\*\*

W-30-02 UIC

DATE FILED: 7-22-83 OPERATOR: Amoco Prod. Co. WELL NO. ARE-025

Sec. 30 T. 4N R. 8E QRT/QRT: NW/NE COUNTY: Summit

New Well?  Conversion?  Disposal  Enhanced Recovery

\*\*\*\*\*

SURETY/Bond? Yes Card Indexed?  API Number: \_\_\_\_\_

APPLICATION FILE COMPLETION

Completed Form DOGM-UIC-1? Yes

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

Surface Owner(s): Unit Operators: Unit water well(s) \_\_\_\_\_, abandoned well(s) \_\_\_\_\_, producing wells or drilling well(s) \_\_\_\_\_, dry holes \_\_\_\_\_.

Completed Rule I-5(b)(2)? Yes, (i) \_\_\_\_\_, (ii) \_\_\_\_\_

Schematic diagram of Well: TD: 14,345', PBTD: \_\_\_\_\_, Depth of Inj/Disp interval: 13126-13774', geologic name of inj/dis interval Fluggert, Casing and Cement: top Surface bottom \_\_\_\_\_, Size of casing 13 3/8 to 5 1/8', 9 5/8" @ 11,698' + 7" @ 14,340' tubing 3 1/2" @, depth of packer: 12,990'. Assessment of existing cement bond: Good TD to 12,450' + 11,470' to. Location of Bottomhole: \_\_\_\_\_, MAXIMUM INJECTION RATE: 35 MMSCFD 10,530'. MAXIMUM SURFACE INJECTION PRESSURE: 5,500 psi.

Proposed Operating Data:

Procedure for controlling injection rates and pressures: Safety controls on all compressors. Geologic name: Nitrogen Plant, depth, \_\_\_\_\_, location of injection fluid source. Analysis of water to be injected \_\_\_\_\_ tds, water of injection formation \_\_\_\_\_ tds., EXEMPTION REQUIRED? No.

Injection zone and confining zone data: lithologic description limestone & sandstone, geologic name \_\_\_\_\_, thickness 11,011', depth \_\_\_\_\_, lateral extent intervening.

USDW's that may be affected by injection: geologic name \_\_\_\_\_, lateral extent \_\_\_\_\_, depth to the top and bottom of all known USDW's Base of fresh water 2115'.

Contingency plans? Yes.

Results of formation testing? \_\_\_\_\_, Description of mechanical integrity test \_\_\_\_\_, injection procedure \_\_\_\_\_.

\*\*\*\*\*

CHECKED BY: Specialist UIC ADMINISTRATOR: Application Complete

UIC GEOLOGIST: \_\_\_\_\_

Application Complete? Yes Notice Published Yes, Date: 8/2/83  
DIRECTOR: Approved? \_\_\_\_\_, approval letter sent \_\_\_\_\_, Requires hearing No.



Amoco Production Company

July 7, 1983

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

File: VEP-337-WF

Injection Well Application  
ARE W30-02  
Anschutz Ranch East  
Summit County, Utah

As requested by C. B. Feight (January 24, 1983), the following application for an Underground Injection Control Class II Well is submitted for your review and approval. The Anschutz Ranch East W30-02 well is the seventh well to be used for gas injection purposes in the Anschutz Ranch East field (reference Amoco Production Company letter dated April 7, 1983). Please find attached the above mentioned application and attachments for the ARE W30-02 well.

Amoco Production Company has reviewed Rule I, Underground Injection Criteria and Standards. All data requested for Rule I-5, Application for Approval of Class II Injection Wells, has been submitted under this letter. Additionally, Amoco has reviewed R-I-6, Operating Requirements for Class II Injection Wells, and will meet the requirements as specified. Amoco recommends an alternative to Rule I-6-A-3 regarding pressure testing the casing as noted in the attached section entitled "Pressure Testing."

As always, measures are being undertaken to ensure that contamination of fresh water will not occur. It should be noted that a step-rate test was conducted on March 14, 1983, to establish the parting pressure of the Nugget formation. Amoco will ensure that injection pressures are less than that parting pressure (6480 + psia).

RECEIVED  
JUL 28 1983

DIVISION OF  
OIL, GAS & MINING

Please direct any questions to A. R. Anderson in the Evanston District office at (307) 789-1700.

T.G. Doss WRN

T. G. Doss  
District Superintendent

MDB/slw

Attachments



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

March 5, 1984

AMOCO Production Company  
PO Box 829  
Evanston, Wyoming 82930

RE: Well # Anschutz Ranch East  
W30-02 NWNE Sec. 30, T4N, R8E  
SLBM Summit County, Utah

Gentlemen:

This letter is to notify you that this Division has never received the necessary application forms for the conversion of the above mentioned well to a gas injection well.

For your information we are enclosing a copy of an application filed by Chevron U.S.A., Inc., together with the necessary forms.

Very Truly Yours,  
DIVISION OF OIL, GAS AND MINING

*Marilyn Paulsen*  
*for*  
CLEON B. FEIGHT  
UIC MANAGER

CBF/mfp

*This letter was disregarded - found that 2 files were in existence for this same well - talked to Allan Anderson to clear up.*

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

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

IN THE MATTER OF THE APPLICATION OF  
Amoco Production Company, USA  
ADDRESS P. O. Box 829  
Evanston, WY ZIP 82930  
INDIVIDUAL  PARTNERSHIP  CORPORATION   
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE ARE W30-02 WELL  
SEC. 30 TWP. 4N RANGE 8E  
Summit COUNTY, UTAH

CAUSE NO. UIC-025

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

APPLICATION

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

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

Lease Name <u>Anschutz 42-30</u>	Well No. <u>ARE W30-02</u>	Field <u>Anschutz Ranch East</u>	County <u>Summit</u>
Location of Enhanced Recovery Injection or Disposal Well <u>NW/NE</u> Sec. <u>30</u> Twp. <u>4N</u> Rge. <u>8E</u>			
New Well To Be Drilled Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input type="checkbox"/> Date <u>5/83</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>2115</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>GAS</u>
Location of Injection Source(s) <u>Nitrogen extraction plant</u> <u>Uinta County, WY</u>	Geologic Name(s) and Depth of Source(s) <u>Nitrogen extraction</u> <u>Via atmosphere</u>		
Geologic Name of Injection Zone <u>Nugget</u>	Depth of Injection Interval <u>13126</u> to <u>13774</u>		
a. Top of the Perforated Interval: <u>13126</u>	b. Base of Fresh Water: <u>2115</u>	c. Intervening Thickness (a minus b) <u>11,011</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>Gannet (clay stone); Preuss (sandstone/shale); Salt; Twin Creek (limestone)</u>			
Injection Rates and Pressures Maximum <u>35 MMSCFD</u> B/D <u>5500</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>All interest owners in Anschutz Ranch East are members of unit agreement.</u>			

State of Utah)

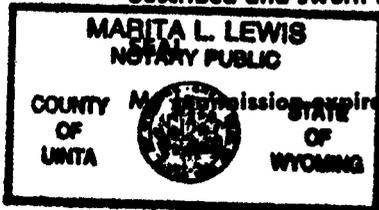
Amoco Production Company

County of Salt Lake)

Applicant

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

Suscribed and sworn to before me this 18<sup>th</sup> day of July, 19 83



2-11-86

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

(OVER)

(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

COUNTY  
LEASE NO.

API NO. \_\_\_\_\_

840 Acres  
N


W E

S  
Locate Well Correctly  
and Outline Lease

DIVISION OF OIL, GAS, AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 84114

COUNTY Summit SEC. 30 TWP. 4N RGE. 8E

COMPANY OPERATING Amoco Production Company

OFFICE ADDRESS P. O. Box 829

TOWN Evanston STATE WY ZIP 82930

FARM NAME Anschutz U2-30 WELL NO. ARE W30-02

DRILLING STARTED 12/21/82 DRILLING FINISHED 5 19 83

DATE OF FIRST PRODUCTION N/A COMPLETED 6/83

WELL LOCATED 1/4 NW 1/4 NE 1/4  
605 FT. FROM SW OF 1/4 SEC. & 458 FT. FROM WL OF 1/4 SEC.

ELEVATION DERRICK FLOOR 7935 GROUND 7654

TYPE COMPLETION

Single Zone X

Multiple Zone \_\_\_\_\_

Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Nugget	13113	14140			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sex	Fillup	Top
13-3/8"	68,72#	SS-95	5198	1000	4050		
9-5/8"	47,53#	62 N-80	11,698'	1000	1410		
7"	32#	N-80	14,340	1500	345		

TOTAL DEPTH 14,345'

PACKERS SET DEPTH 12,990

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

COMPLETION & TEST DATA BY PRODUCING FORMATION

1

2

3

FORMATION	1	2	3
Nugget			
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	13126-774		
INTERVALS			
ACIDIZED?	NO		
FRACTURE TREATED?	NO		

INITIAL TEST DATA

Date	6/21/83		
Oil, bbl./day	962		
Oil Gravity	52		
Gas, Cu. Ft./day	4,694,000	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	4830		
Water-Bbl./day	0		
Pumping or Flowing	Flowing		
CHOKE SIZE	24/64ths		
FLOW TUBING PRESSURE	1735 psia		

A record of the formations drilled through, and pertinent remarks are presented on the reverse.  
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

(307) 789-1700 WR Halverson Drilling Supt.  
Telephone \_\_\_\_\_ Name and title of representative of company

Subscribed and sworn before me this 15<sup>th</sup> day of July 1983

Marita L. Lewis  
NOTARY PUBLIC

2-11-86

COUNTY  
OF  
UTAH



STATE  
OF  
WYOMING

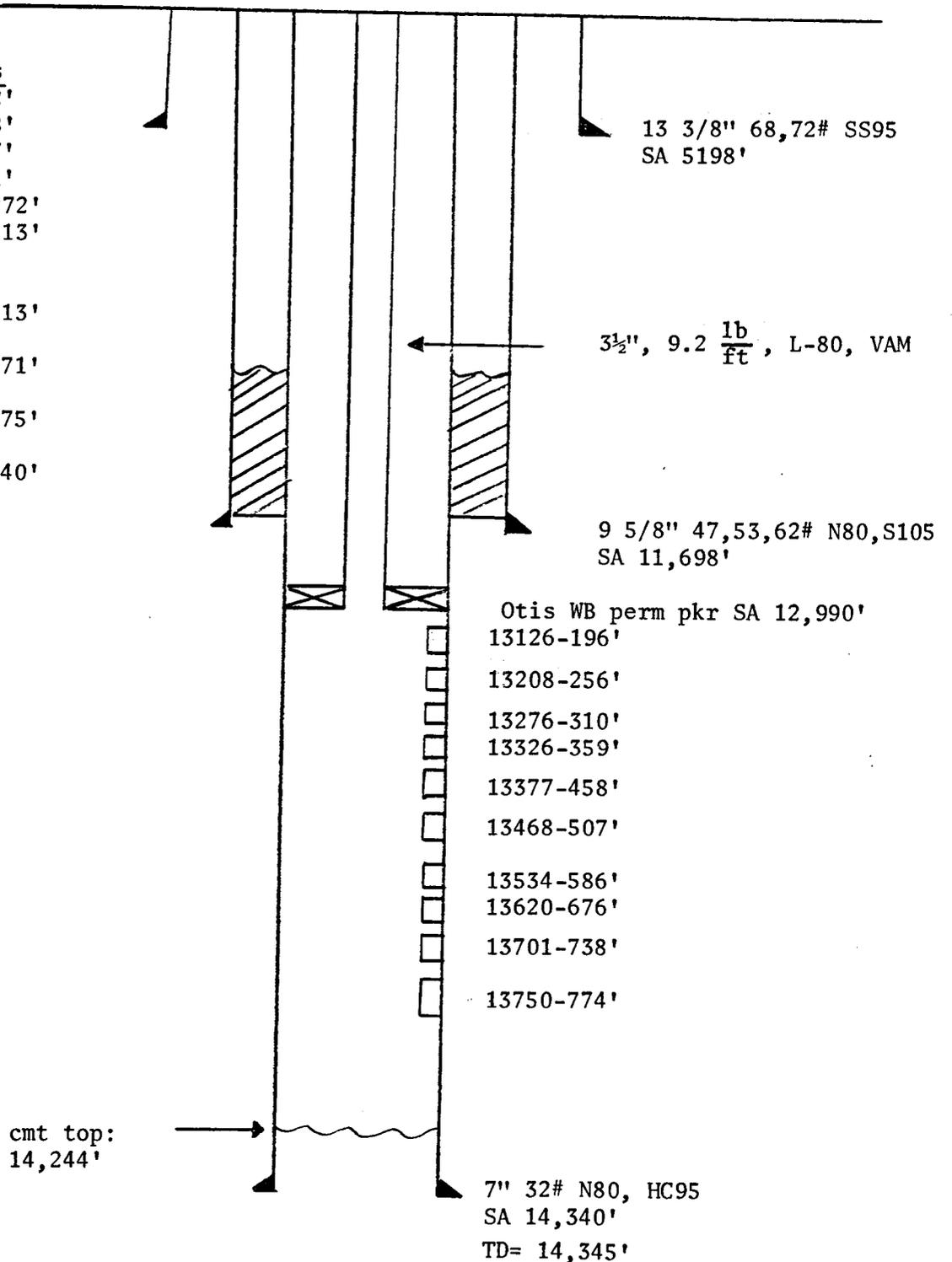
ANSCHUTZ RANCH EAST WELLBORE DIAGRAM  
ARE W30-02

Location: NW NE Sec. 30, T4N, R8E  
Summit Co., Utah

Elevation: 7676' KB  
7654' GL

Formation	Tops
Aspen:	5142'
Bear River:	5598'
Gannet:	6947'
Preuss:	9921'
Twin Creek:	11,272'
Nugget:	13,113'

Zone one:	13,113'
Zone two:	13,371'
Zone three:	13,775'
Ankareh:	14,140'





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

September 12, 1983

Amoco Production Company USA  
P.O. Box 829  
Evanston, WY 82930

Re: Class II Injection Well  
Approval  
Cause No. UIC-025

Gentlemen:

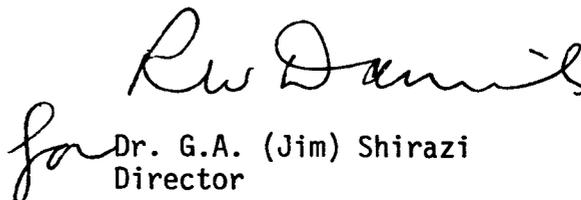
Please be advised that administrative approval has been granted to inject gas into the well mentioned below. This approval is conditional upon adhering to the UIC rules and regulations adopted by the Board of Oil, Gas and Mining and by not exceeding the maximum authorized pressures and rates.

Township 4 North, Range 8 East

Sec. 30 Well #ARE W30-02 NW NE

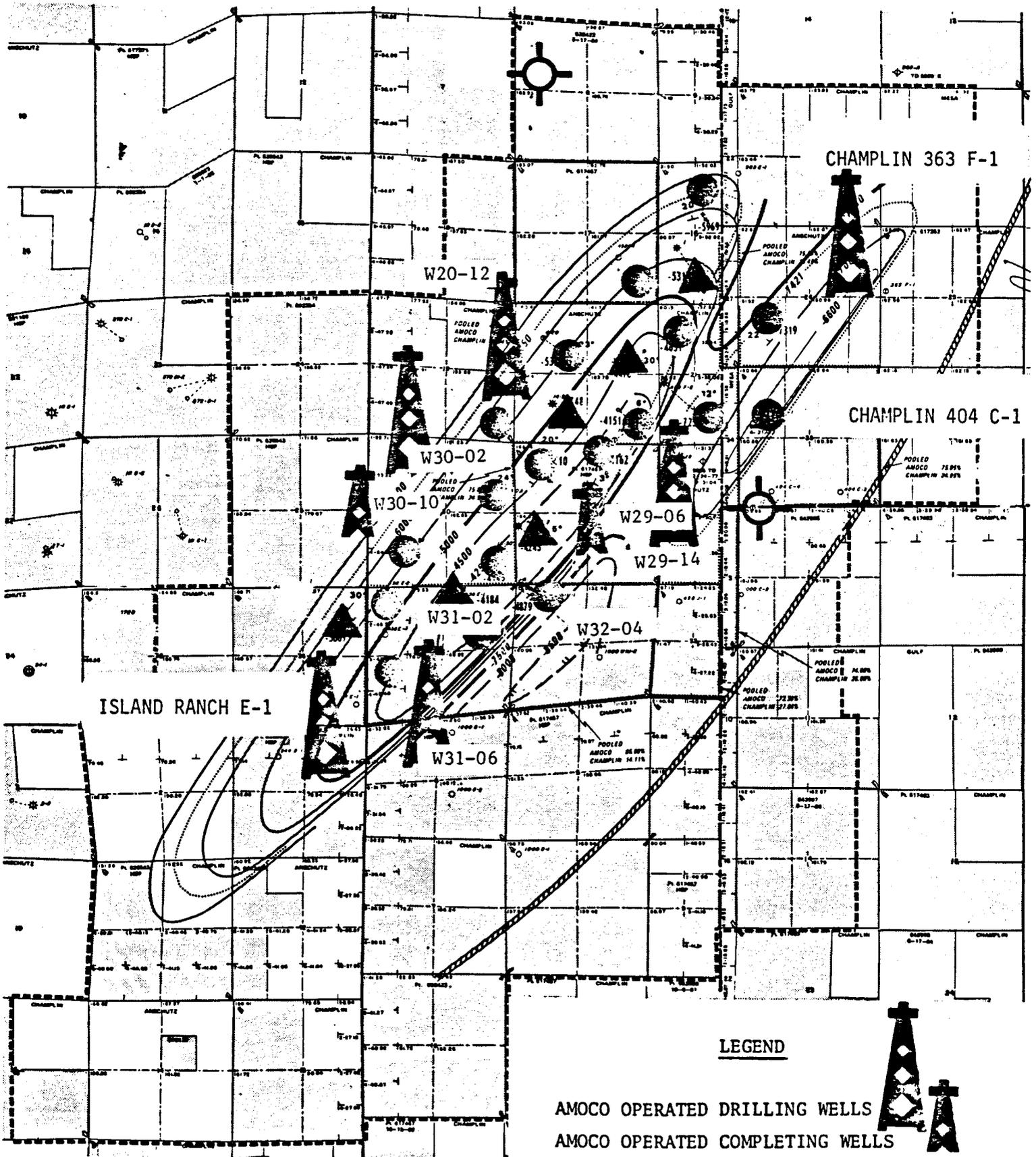
If you have any questions concerning this matter, please do not hesitate to call or write.

Sincerely,

  
for Dr. G.A. (Jim) Shirazi  
Director

GS/TP/tp

# ANSCHUTZ RANCH EAST



## LEGEND

- AMOCO OPERATED DRILLING WELLS 
- AMOCO OPERATED COMPLETING WELLS 
- AMOCO OPERATED INJECTION WELLS 
- AMOCO OPERATED GAS WELLS 
- SURFACE LOCATION 
- BOTTOM HOLE LOCATION 

# PROOF OF PUBLICATION



STATE OF UTAH, }  
County of Summit, }ss.

I, Susan Davis

being first duly sworn, depose and say that I am the \_\_\_\_\_

Office Manager of The Park Record, a week-

ly newspaper of general circulation, published once each week at

Park City, Utah, that the notice attached hereto and which is a

Cause No. UIC-025

was published in said newspaper for one con-

secutive issues, the first publication having been made on the

18 day of August, 1983 and the last

on the 18 day of August, 1983, that said

notice was published in the regular and entire issue of every number

of the paper during the period and times of publication, and the same

was published in the newspaper proper and not in any supplement.

Susan Davis

Subscribed and sworn to before me this 15<sup>th</sup> day of

Sept, 1983

Shirley A. O'Leary  
Notary Public

My commission expires 2-17, 1984

## LEGAL NOTICE

BEFORE THE DIVISION  
OF OIL, GAS AND MINING  
Room 4241 State Office  
Building  
Salt Lake City, Utah 84114

CAUSE NO. UIC-025

IN THE MATTER OF  
THE APPLICATION OF  
AMOCO PRODUCTION  
COMPANY U.S.A., FOR  
ADMINISTRATIVE AP-  
PROVAL TO INJECT GAS  
INTO A WELL LOCATED  
IN SECTION 30, TOWN-  
SHIP 4 NORTH, RANGE 8  
EAST, SUMMIT COUNTY,  
UTAH.

THE STATE OF UTAH  
TO ALL PERSONS,  
OWNERS, PRODUCERS,  
OPERATORS, PUR-  
CHASERS AND TAKERS  
OF OIL AND GAS AND  
ALL OTHER INTERESTED  
PERSONS, PAR-  
TICULARLY IN SUMMIT  
COUNTY, UTAH:

NOTICE IS HEREBY  
GIVEN that Amoco  
Production Company,  
U.S.A., P.O. Box 829,  
Evanston, Wyoming,  
82930, is requesting that  
the Division authorize the  
approval to convert the  
well mentioned below, to a  
gas injection well as  
follows:

Township 4 North, Range  
8 East

Sec. 30 Well # ARE W30-02  
NWNE

INJECTION ZONE:  
Nugget Formation 13,126'  
to 13,774'

MAXIMUM INJECTION  
PRESSURE: 5,500 psi

MAXIMUM INJECTION  
RATE: 35 MMSCFD

This application will be  
granted unless objections  
are filed with the Division  
of Oil, Gas and Mining  
within fifteen days after  
publication of this Notice.  
Objections if any, should  
be mailed to: Division of  
Oil, Gas and Mining, Room  
4241 State Office Building,  
Salt Lake City, Utah 84114.

STATE OF UTAH  
DIVISION OF OIL, GAS  
AND MINING  
Marjorie L. Larson  
Secretary of the Board

Published in the Park  
Record on August 18,  
1983.

CAUSE NO. UIC-025

Notice of hearing was sent to the following:

Newspaper Agency Corp.  
Summitt County Bee  
Park Record

Amoco Production Company, USA  
P.O. Box 829  
Evanston, WY 82930

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

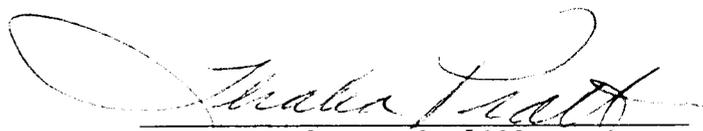
Ansch8tz Land & Livestock Co., Inc.  
c/o The Anschutz Corp.  
2400 Anaconda Tower  
555 17th Street  
Denver, CO 80202

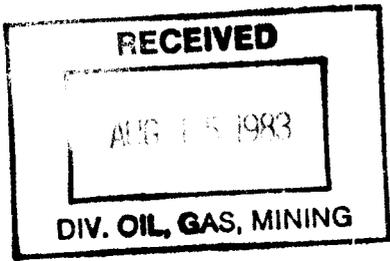
Champlin Petroleum Co.  
5800 S. Quebec,  
Box 1257  
Englewood, CO 80150

Minerals Management Service  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

U.S. Environmental Protection Agency  
Attn: Mike Strieby  
1860 Lincoln Street  
Denver, CO 80295

Ut. Dept. of Health  
Bureau of Water Pollution Control  
Attn: Jerry Riding  
Room 410  
150 West North Temple  
Salt Lake City, UT 84103

  
August 8, 1983



# PROOF OF PUBLICATION



STATE OF UTAH, }  
County of Summit, } ss.

I, Shirley B. Phelps

being first duly sworn, depose and say that I am the \_\_\_\_\_  
bookkeeper of The Summit County Bee, a week-

ly newspaper of general circulation, published once each week at  
Coalville, Utah, that the notice attached hereto and which is a

Notice of application for administration approval  
Cause UIC-025

was published in said newspaper for 1 ~~con-~~  
~~secutive~~ issues, the first publication having been made on the  
12 day of Aug, 1983, and the last  
on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, that said  
notice was published in the regular and entire issue of every number  
of the paper during the period and times of publication, and the same  
was published in the newspaper proper and not in any supplement.

Shirley B. Phelps

Subscribed and sworn to before me this 12 day of  
Aug, 1983

Susan J. Bump  
Notary Public

My commission expires 1 November, 1984

BEFORE THE DIVISION OF OIL, GAS AND MINING Room 4241 State Office Building Salt Lake City, Utah 84114

IN THE MATTER OF THE APPLICATION OF AMOCO PRODUCTION COMPANY U.S.A., FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO A WELL LOCATED IN SECTION 30, TOWNSHIP 4 NORTH, RANGE 8 EAST, SUMMIT COUNTY, UTAH.

CAUSE NOL UIC-025  
THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SUMMIT COUNTY, UTAH.

NOTICE IS HEREBY GIVEN that Amoco Production Company, U.S.A., P.O. Box 829, Evanston, Wyoming 82930, is requesting that the Division authorize the approval to convert the well mentioned below, to a gas injection well as follows:

Township 4 North Range 8 East Sec. 30 Well #AREW30-02 NW NE INJECTION ZONE: Nugget Formation 13,126' to 13,744' MAXIMUM INJECTION PRESSURE: 5,500 psi MAXIMUM INJECTION RATE: 35 MMSCFD

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publica-

tion of this Notice. Objections if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah 84114.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING

Marjorie L. Larson  
Secretary of the Board

Published in the Summit County Bee Aug. 12, 1983.

# PROOF OF PUBLICATION



STATE OF UTAH, }  
County of Summit, } ss.

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Notice of application for administration approval

Cause UIC-025

was published in said newspaper for 1 ~~con-~~

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12 day of Aug, 19 83, ~~and the last~~

~~on the~~ day of \_\_\_\_\_, 19\_\_\_\_, that said

notice was published in the regular and entire issue of every number

of the paper during the period and times of publication, and the same

was published in the newspaper proper and not in any supplement.

Shirley B. Phelps

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Aug, 19 83.

Susan F. Bump  
Notary Public

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STATE OF UTAH DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson Secretary of the Board

Published in the Summit County Bee Aug. 12, 1983.

# Affidavit of Publication

ADM-35B

STATE OF UTAH,  
County of Salt Lake

ss.

APR 10 1980  
DIVISION OF  
OIL, GAS AND MINING

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

was published in said newspaper on

*Cheryl Gierloff*  
Legal Advertising Clerk

BEFORE THE DIVISION OF OIL, GAS AND MINING, Room 4241 State Office Building, Salt Lake City, Utah 84114  
 CAUSE NO. UIC-025  
 IN THE MATTER OF THE APPLICATION OF AMOCO PRODUCTION COMPANY U.S.A., FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO A WELL LOCATED IN SECTION 30, TOWNSHIP 4 NORTH, RANGE 8 EAST, SUMMIT COUNTY, UTAH.  
 THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SUMMIT COUNTY, UTAH: NOTICE IS HEREBY GIVEN that Amoco Production Company, U.S.A., P.O. Box 829, Evanston, Wyoming, 82930, is requesting that the Division authorize the approval to convert the well mentioned below, to a gas injection well as follows:  
 Township 4 North, Range 8 East, Sec. 30 Well #ARE W30-02 NW NE  
 INJECTION ZONE: Nugget Formation 13, 126' to 13,774'  
 MAXIMUM INJECTION PRESSURE: 5,500 psi  
 MAXIMUM INJECTION RATE: 35 MMSCFD  
 This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah 84114.  
 STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING  
 MARJORIE L. LARSON  
 Secretary of the Board  
 A-76

Subscribed and sworn to before me this ..... day of ..... A.D. 19.....

*S. Canaty*  
Notary Public

My Commission Expires

.....

# Affidavit of Publication

ADM-35B

STATE OF UTAH,  
County of Salt Lake

SS.

AUG 10 1983

DIVISION OF

..... Cheryl Gierloff .....

~~GAS & MINING~~

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That the legal notice of which a copy is attached hereto

..... Cause # ~~UIC~~ - 025 - Application of Amoco Production

..... Company USA for Administration Approval to inject

gas into a well located in Section 30, Township 4 N

..... North Range 8 East, Summit Co., Utah

..... was published in said newspaper on

..... August 12, 1983

*Cheryl Gierloff*  
Legal Advertising Clerk

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THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND HOLDERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SUMMIT COUNTY, UTAH: NOTICE IS HEREBY GIVEN that Amoco Production Company, U.S.A., P.O. Box 829, Evanston, Wyoming, 82930, is requesting that the Division authorize the approval to convert the well mentioned below, to a gas injection well as follows:

Township 4 North, Range 8 East, Sec. 30 Well #ARE W30-02 NW NE

SECTION ZONE: Nueces 12 1/2' to 13 7/8'

INJECTION

Interested persons are advised that the Division of Oil, Gas and Mining has published this notice of its action. If any objections should be mailed to: Division of Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah 84114.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
MARSHALL L. LARSON  
Secretary of the Board

A-76

Subscribed and sworn to before me this ..... 18 ..... day of

..... August ..... A.D. 19 83 .....

*W. Conaty*  
Notary Public

My Commission Expires

..... 10/1/86 .....

# Affidavit of Publication

ADM-35B

STATE OF UTAH,  
County of Salt Lake

SS.

APR 25 1993

DIVISION OF  
OIL, GAS AND MINING

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*Cheryl Gierloff*  
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BEFORE THE DIVISION OF OIL, GAS AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 84114  
CAUSE NO. UIC-025

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Township 4 North,  
Range 8 East  
Sec. 30 Well #ARE W30-02  
NW NE

INJECTION ZONE: Nugget Formation 13, 126' to 13,774'

MAXIMUM INJECTION PRESSURE: 3,500 psi

MAXIMUM INJECTION RATE: 35 MMSCFD

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah 84114.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
MARJORIE L. LARSON  
Secretary of the Board

A-76

Subscribed and sworn to before me this ..... day of

..... A.D. 19.....

*SO Conaty*  
Notary Public

My Commission Expires

.....

# Affidavit of Publication

ADM-35B

STATE OF UTAH,  
County of Salt Lake

SS.

1983

DIVISION OF

..... Cheryl Gierloff .....

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..... was published in said newspaper on .....

..... August 12, 1983 .....

*Cheryl Gierloff*  
Legal Advertising Clerk

**BEFORE THE DIVISION OF OIL, GAS AND MINING**  
Room 4241 State Office Building  
Salt Lake City, Utah 84114  
CAUSE NO. UIC-025

IN THE MATTER OF THE APPLICATION OF AMOCO PRODUCTION COMPANY U.S.A. FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO A WELL LOCATED IN SECTION 30, TOWNSHIP 4 NORTH, RANGE 8 EAST, SUMMIT COUNTY, UTAH.

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STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING  
MARJORIE L. LARSON  
Secretary of the Board

A-76

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*W. Conaty*  
Notary Public

My Commission Expires

..... 10/1/86 .....

BEFORE THE DIVISION OF OIL, GAS AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 84114

-----  
IN THE MATTER OF THE APPLICATION )  
OF AMOCO PRODUCTION COMPANY U.S.A., )  
FOR ADMINISTRATIVE APPROVAL TO ) CAUSE NO. UIC-025  
INJECT GAS INTO A WELL LOCATED IN )  
SECTION 30, TOWNSHIP 4 NORTH, )  
RANGE 8 EAST, SUMMIT COUNTY, UTAH. )  
-----

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS,  
PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS,  
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Township 4 North, Range 8 East

Sec. 30 Well # ARE W30-02

NW NE

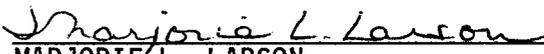
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Utah 84114.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
MARJORIE L. LARSON  
Secretary of the Board



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

August 8, 1983

Park Record  
Legal Advertising  
Park City, UT 84060

Re: UIC-025

Gentlemen:

Attached hereto is a Notice of Application for Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 12th day of August, 1983. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

*Marjorie L. Larson*

MARJORIE L. LARSON  
Secretary of the Board

Attachment



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

August 8, 1983

Summitt County Bee  
Legal Advertising  
Coalville, UT 84017

Re: UIC-025

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NATURAL RESOURCES  
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Dr. G. A. (Jim) Shirazi, Division Director

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

August 8, 1983

Newspaper Agency Corp.  
Legal Advertising  
143 South Main  
Salt Lake City, UT

Re: UIC-025

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Very truly yours,

DIVISION OF OIL, GAS AND MINING

*Marjorie L. Larson*

MARJORIE L. LARSON  
Secretary of the Board

Attachment



Amoco Production Company

May 16, 1986

RECEIVED  
MAY 21 1986

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

DIVISION OF  
OIL, GAS & MINING

Re: **Name change on wells being brought into the Anschutz  
Ranch East Unit**

Attn: Claudia Jones

Dear Claudia:

The following is a list of all wells, East & West Lobe  
(production and Injection) at Anschutz Ranch East referenced  
by well name, API No. and legal description, that should  
be rolled over from Amoco Production Company to Amoco Rockmount  
Company upon completion and being brought into the Unit.

Production wells

<u>Well Name</u>	<u>API No.</u>	<u>Legal Description</u>
W01-04	43-043-30270	NWNW, Sec 1, T3N, R7E
W01-06	43-043-30188	SEnw, Sec 1, T3N, R7E
W01-12	43-043-30271	NWSW, Sec 1, T3N, R7E
W20-04	43-043-30238	NWNW, Sec 20, T4N, R8E
W16- <del>06</del> 06	43-043-30138	NENE, Sec 16, T4N, R8E
W16-12	43-043-30231	SWNW, Sec 16, T4N, R8E
<del>W17-1216?</del>	43-043-30176	NWSE, Sec 17, T4N, R8E
W19-16	43-043-95008 ? 30204	SWSE, Sec 19, T4N, R8E
W20-02	43-043-30228	NWNE, Sec 20, T4N, R8E
W20-06	43-043-30159	NWNW, Sec 20, T4N, R8E
W20-10	43-043-30229	SEnw, Sec 20, T4N, R8E
W20-12	43-043-30220	NWSW, Sec 20, T4N, R8E
W20-16	43-043-30148	SWSE, Sec 20, T4N, R8E
W21-04	43-043-30135	NWNW, Sec 21, T4N, R8E
W29-04	43-043-30129	NWNW, Sec 29, T4N, R8E
W29-06A	43-043-30250	SEnw, Sec 29, T4N, R8E
W29-14A	43-043-30251	NWSW, Sec 29, T4N, R8E
W30-06	43-043-30273	NESW, Sec 30, T4N, R8E
W30-08	43-043-30183	SENE, Sec 30, T4N, R8E
W30-10	43-043-30215	NWSE, Sec 30, T4N, R8E
W30-14	43-043-30185	SESW, Sec 30, T4N, R8E
W30-16	43-043-30156	NESE, Sec 30, T4N, R8E

2

Production wells (cont.)

<u>Well Name</u>	<u>API NO.</u>	<u>Legal Description</u>
W31-04	43-043-30165	NWNW, Sec 31, T4N, R8E
W31-06	43-043-30217	SENW, Sec 31, T4N, R8E
W31-08	43-043-30164	NWNE, Sec 31, T4N, R8E
W31-12	43-043-30190	SWNW, Sec 31, T4N, R8E
W32-04	43-043-30162	NWNW, Sec 32, T4N, R8E
W36-10	43-043-30227	NESW, Sec 36, T4N, R7E
W36-16	43-043-30157	SESE, Sec 36, T4N, R7E

Injection wells

W01-02	43-043-30209	? NWNE, Sec 1, T3N, R7E
W02-10	43-043-30265	NWSE, Sec 2, T3N, R7E
W16-14	43-043-30096	NWSW, Sec 16, T4N, R8E
W19-08	43-043-30272	SENE, Sec 19, T4N, R8E
W20-08	43-043-30212 ? 30123	SWNW, Sec 20, T4N, R8E
W20-14	43-043-30145	NWSW, Sec 20, T4N, R8E
W29-02	43-043-30220 ? 30136	NWNE, Sec 29, T4N, R8E
W29-12	43-043-30154	NWSW, Sec 29, T4N, R8E
W30-02	43-043-95014 ? 30218	NWNE, Sec 30, T4N, R8E
W30-12A	43-043-30248 ? 30230	NWSW, Sec 30, T4N, R8E
W30-15	43-043-95012 ? 30216 ?	NWNE, Sec 30, T4N, R8E
W36-08	43-043-30167	SENE, Sec 36, T4N, R7E
W36-14	43-043-30255	SESW. Sec 36, T4N, R7E

This should help to clarify your files and if any changes are necessary we will notify you of such.

If further information is needed please contact Louis F. Lozzie of this office at 307-789-1700 ext. 2226.

Thank you,



R. M. Ramsey  
District Admn. Supervisor

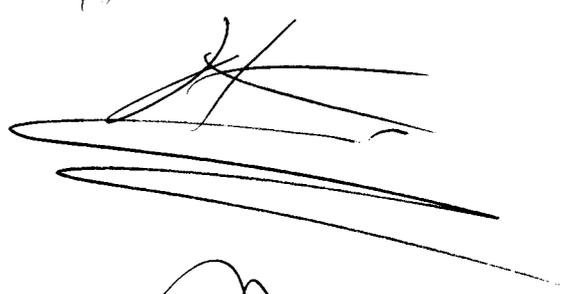
/kg

cc: Pam Collier - Amoco Denver

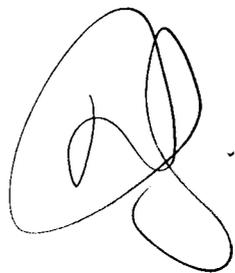
Utah Division of Oil, Gas, and Mining  
Casing - Bradenhead Test

Operator: AMOCO ROCKMOUNT COMPANY      Field/Unit: ANSCHUTZ RANCH EAST  
 Well: AREU #W30-02      Township: 04N    Range: 08E    Sect: 30  
 API: 43-043-30218      Welltype: INJG    Max Pressure: 5500  
 Lease type: FEE      Surface Owner: FEE

Test Date: 8/29/69

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
Surface:	1 3/8	5198		Injection Press. = 5000 casing Press. = 0 Pressured to 1000 PSI Held for 15 min 
Intermediate:	9 5/8	11698		
Production:	7	14340		
Other:		0		
Tubing:	3 1/2			
Packer:		12990		

Recommendations:

  
8/29/69

**Facsimile Transmission**

Addresser's Telecopier Phone 801-359-3940		Date 3-1-90	Page 1 of 2
To: John BAZA-	Company Utah Div of Oil, Gas + Mining	Location Salt Lake City, UT	Mail Code/Room
From: Valerie Miller	Company Amoco Production Co	Location Denver, CO 80201	Mail Code/Room 1843
Initiated By	Department	Approved By	
Typed By	Ext. 5108	Mail Code/Room	<input type="checkbox"/> Call Sender for Pickup of Originals <input type="checkbox"/> Call _____ for Pickup at Receiving Location

John,

Bruce wanted me to get this to you, so that the approval process could begin. Since we discussed all the details for this Sunday over the phone, I do not have a well bore diagram to send along. I'm hoping you have one in your files. If not, let me know and I'll track Bruce down and have him get one for you.

Thanks much,

UAL

OIL AND GAS	
DRN	DIT
1- JRB	CLH
DTS	SLS
2- TAS	
3- MICROFILM	
4- FILE	

*not filmed yet - Gas injection*

SUBMIT TRIPPLICATE (Other instructions on the side)

GIW

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.)

Form fields 1-13: 1. OIL WELL [ ] GAS WELL [X] OTHER [ ]; 2. NAME OF OPERATOR: Amoco Production Company; 3. ADDRESS OF OPERATOR: P.O. Box 800 - Rm 1843, Denver, CO 80201; 4. LOCATION OF WELL: 715' FNL & 2182' FEL; 5. LEASE DESIGNATION AND SERIAL NO. Fee; 6. IF INDIAN, ALLOTTEE OR TRIBE NAME; 7. UNIT AGREEMENT NAME: Anschutz Ranch East; 8. FARM OR LEASE NAME: Anschutz Ranch East; 9. WELL NO.: W30-02; 10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch; 11. SEC., T., R., M., OR BLK. AND SUBST OR AREA: Sec. 30, T4N-R8E; 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: TEST WATER SHUT-OFF [ ], FRACTURE TREAT [ ], SHOOT OR ACIDIZE [ ], REPAIR WELL [ ], (Other) Open Additional Pay & Convert [X]; FULL OR ALTER CASING [ ], MULTIPLE COMPLETS [ ], ABANDON\* [ ], CHANGE PLANS [ ]; SUBSEQUENT REPORT OF: WATER SHUT-OFF [ ], FRACTURE TREATMENT [ ], REDDING OR ACIDIZING [ ], (Other) [ ]; REPAIRING WELL [ ], ALTERING CASING [ ], ABANDONMENT\* [ ]

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 open additional Zone 3 Nugget Pay in the subject well and possibly convert it to a dual injector/producer using the following procedure:

- 1. Perforate intervals 13,796' - 13,820', 13,828' - 13,894', 13,904' - 13,942', 13,962' - 13,998', 14,004' - 14,046', 14,092' - 14,118' with B JSPF using tubing conveyed perforating guns.
2. Produce gas through tubing and flare to pit for four days to determine quality of gas.
3. If gas is of poor quality, return well to injection, leaving additional Pay open.
4. If the production has a low G.O.R. with liquids, inject down the backside into the upper perms and produce the Zone 3 Nugget through the tubing.

At the present time, we do not have a flowline from well #W30-02 to the plant, however, we will address construction of a line after production testing.

If you require any additional information, please contact Valeria Miller at (303) 830 5108 or Bruce Laggatt (Project Engineer) at (303) 830-5384.

18. I hereby certify that the foregoing is true and correct. SIGNED: J.L. Hampton, TITLE: Sr. Staff Admin. Supv., DATE: 03/01/90

APPROVED BY: \* CONDITIONS OF APPROVAL, IF ANY: \* Pressure test casing before commencing injection down backside. \*See Instructions on Reverse Side

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: 3-16-90 BY: [Signature]

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

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <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. Fee
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Amoco Production Company <span style="float: right;">GIW</span>		7. UNIT AGREEMENT NAME Anschutz Ranch East
3. ADDRESS OF OPERATOR P.O. Box 800; Rm 1846; Denver, CO 80201		8. FARM OR LEASE NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  715' FNL & 2182' FEL		9. WELL NO. W30-02
14. PERMIT NO. 43-043-30218	15. ELEVATIONS (Show whether SF, RT, GR, etc.) 7654' GR	10. FIELD AND POOL, OR WILDCAT Anschutz Ranch
		11. SEC., T., R., M., OR BLE. AND SUBST. OR AREA Sec. 30, T4N-R8E
		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>Open Additional Pay &amp; Convert</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		<small>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	

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 attempted to locate low-nitrogen, low-GOR gas in the Zone 3 Nugget Pay from which to produce in the subject well, and used the following procedure:

1. Perforated intervals 13,796' - 13,820', 13,828' - 13,894', 13,904' - 13,942', 13,962' - 13,998', 14,004' - 14,046', 14,092' - 14,118' with 8 JSPF.
2. Produced gas through tubing and flare to pit for four days.
3. RTI.

If you require any additional information, please contact David Hawkins at (303) 830-4213 or Bruce Leggett (Project Engineer) at (303) 830-5584.

RECEIVED

MAR 15 1991

DIVISION OF  
OIL GAS & MINING

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

SIGNED <u>J.L. Hampton</u> <small>J.L. Hampton</small>	TITLE <u>Sr. Staff Admin. Supv.</u>	DATE <u>03/13/91</u>
---	-------------------------------------	----------------------

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

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

SUBMIT IN TRIPPLICATE\*  
(Or instructions on  
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED  
SEP 14 1992

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Amoco Production Company

3. ADDRESS OF OPERATOR  
P. O. Box 800, Rm 1870, Denver, CO

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

W30-02 715' FNL x 2182' FEL  
W30-12 1916' FSL x 85' FWL

14. PERMIT NO.  
43-043.30218

15. ELEVATIONS (Show whether DT, RT, OR, etc.)

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Anschutz Ranch East

8. FARM OR LEASE NAME  
Anschutz Ranch East

9. WELL NO.  
W30-02 & W30-12

10. FIELD AND POOL, OR WILDCAT  
Nugget

11. SEC., T., R. N., OR BLE. AND SURVEY OR AREA  
Sec. 30, T4N-R8E

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   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)   
FULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)   
REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

(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 plans to run an aquifer pilot project at Anschutz Ranch East to determine aquifer strength. The results of this project will dictate our future field plan of depletion. Pressure and production performance response will determine the actual duration of the pilot, but it is currently estimated that the test will continue for about three months. The two subject wells will be the offset injectors that will be shut-in for the duration of the pilot allowing pressure in the area of the W30-06 to decline. Production from the W30-06 well will be carefully monitored to determine how quickly water production increases as reservoir pressure declines. Reservoir pressure will be continuously measured through out the test period in the two shut-in offset injectors.

This project has been discussed with Frank Matthews (Utah Division of Oil & Gas) by Tom Harting (Amoco) as of 7/30/92.

If you require additional information, please contact Raelene Krcil at (303) 830-5399.

9-16-92  
Frank Matthews

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

SIGNED Raelene Krcil TITLE Permitting Representative DATE 09/09/92

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

11:45

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/11/94</u>	Well Owner/Operator: <u>Amoco</u>
Disposal Well: _____	Enhanced Recovery Well: <u>Press. Maint.</u> Other: _____
API No.: <u>43-043-30218</u>	Well Name/Number: <u>30-02</u>
Section: <u>30</u>	Township: <u>4N</u> Range: <u>8e</u>

Initial Conditions:

Tubing - Rate: 39.00 MMCF/da Pressure: 5039 psi  
Casing/Tubing Annulus - Pressure: 260 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>460</u>	<u>5039</u>
5	<u>1030</u>	<u>5039</u>
10	<u>1030</u>	<u>5039</u>
15	<u>1030</u>	<u>5039</u>
20	<u>1030</u>	<u>5039</u>
25	_____	_____
30	_____	_____

Results: Pass/Fail Pass

Conditions After Test:

Tubing Pressure: 5039 psi  
Casing/Tubing Annulus Pressure: 180 psi

REMARKS:

① Get Documentation for Art MacClean (written)  
② What wells will be needing tests in future:  
Good test

Art MacClean / Felicia Yuen  
Operator Representative

Chris Kierst  
DOG M Witness



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

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

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

October 12, 1994

Amoco Production Company  
P.O. Box 829  
Evanston, WY 82930  
Attention: Art MacLean

Re: Anschutz Ranch, East, Unit Injection Wells, Summit County, Utah

Dear Mr. MacLean,

Please accept this letter as documentation of certain Unit wells having successfully passed five year mechanical integrity tests conducted on 10/11/94. The relevant wells are as follows:

<u>Well Name</u>	<u>Location</u>	<u>API Number</u>
W1-02	Section 1, T. 3 N., R. 7 E.	43-043-30209
W36-14	Section 36, T. 4 N., R. 7 E.	43-043-30255
W30-12A	Section 30, T. 4 N., R. 8 E.	43-043-30248
W30-15	Section 30, T. 4 N., R. 8 E.	43-043-30216
W30-02	Section 30, T. 4 N., R. 8 E.	43-043-30218

In addition, enclosed please find a list of injection wells operated by Amoco and dates of their last integrity tests. Please note that the dates listed for the above five wells are obsolete because the database hasn't been updated yet.

If you have any questions concerning this matter, please contact this office.

Very truly yours,

Christopher J. Kierst  
Reclamation Specialist

API	WELL	WELLTYPE	MITDATE	TYPETEST	INDIA
43-043-30228	AREU #W20-02	INJG	08/11/92	PRESSURE	N
43-043-30106	ANSCHUTZ RANCH 34-02	INJD	07/26/91	PRESSURE	N
43-043-30139	ISLAND RANCHING #C-1	INJD	05/23/91	PRESSURE	N
43-043-30136	AREU #W29-02	INJG	08/11/92	PRESSURE	N
43-043-30154	AREU #W29-12	INJG	08/11/92	PRESSURE	N
43-043-30251	AREU #W29-14A	INJG	08/11/92	PRESSURE	N
43-043-30209	AREU #W01-02	INJG	08/29/89	PRESSURE	N
43-043-30265	AREU #W02-10	INJG	08/11/92	PRESSURE	N
43-043-30096	AREU #W16-14	INJG	08/11/92	PRESSURE	N
43-043-30272	AREU #W19-08	INJG	08/11/92	PRESSURE	N
43-043-30123	AREU #W20-08	INJG	08/11/92	PRESSURE	N
43-043-30145	AREU #W20-14	INJG	08/11/92	PRESSURE	N
43-043-30216	AREU #30-15 (W31-02)	INJG	08/29/89	PRESSURE	N
43-043-30248	AREU #W30-12A	INJG	08/29/89	PRESSURE	N
43-043-30183	AREU #W30-08	INJG	08/11/92	PRESSURE	N
43-043-30218	AREU #W30-02	INJG	08/29/89	PRESSURE	N
43-043-30185	AREU #W30-14	INJG	08/11/92	PRESSURE	N
43-043-30167	AREU #W36-08	INJG	08/11/92	PRESSURE	N
43-043-30255	AREU #W36-14	INJG	08/29/89	PRESSURE	N
43-043-30280	AREU #W31-05	INJG	08/11/92	PRESSURE	N

**STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING**

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

**SUNDRY NOTICES AND REPORTS ON WELLS**

7. Unit Agreement Name:

**ANSCHUTZ RANCH EAST**

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

1. Type of Well: OIL  GAS  OTHER

8. Well Name and Number:

**W30-02**

2. Name of Operator:  
**Amoco Production Company**

9. API Well Number

**43-043-30218**

3. Address and Telephone Number:

**P. O. Box 800, Denver CO 80201, Suite 1033**

10. Field and Pool, or Wildcat:

**NUGGET**

4. Location of Well

Footages:

**705' FNL X 2182' FEL**

County:

**SUMMIT**

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

**SEC. 30, T4N, R8E**

State:

**UTAH**

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

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

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

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

- |   |   |
|---|---|
| <input type="checkbox"/> Abandonment*   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair  | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans  | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <b>Conversion from injection to producing</b> |   |

Date of work completion **11/23/97**

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

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.)

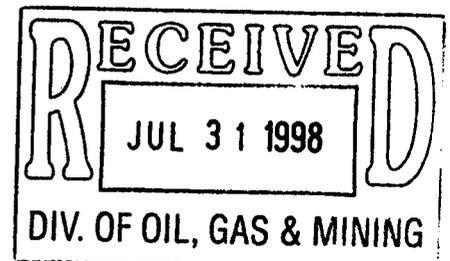
The subject well was converted from an injection well to a producing well on 11/23/97..

13. Signature: W. C. Hadjuk

Title: **Regulatory Analyst**

Date: **07/27/98**

(This space for State use only)



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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached</u>		7. UNIT or CA AGREEMENT NAME: <u>See Attached</u>
2. NAME OF OPERATOR: <u>Amoco Production Company</u>		8. WELL NAME and NUMBER: <u>See Attached</u>
3. ADDRESS OF OPERATOR: <u>501 Westlake Park Blvd</u> CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77079</u>		9. API NUMBER: <u>Attached</u>
PHONE NUMBER: <u>(281) 366-5328</u>		10. FIELD AND POOL, OR WILDCAT: <u>See Attached</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See Attached</u>		COUNTY: <u>See Attached</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <u>UTAH</u>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Amoco Production Company proposes to change its name to BP America Production Company, effective December 31, 2001. Mailing addresses and designated agents shall remain the same.

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

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

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

(This space for State use only)

**RECEIVED**

DEC 13 2001

DIVISION OF  
OIL, GAS AND MINING

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

§  
§  
§  
§

**CERTIFICATE**

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

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

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

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

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

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

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

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



WHEREAS all officers and directors of Company will remain unchanged.

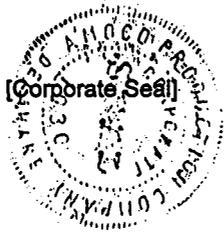
NOW, THEREFORE, BE IT,

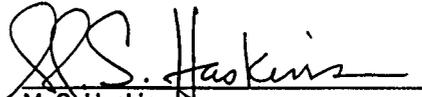
RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

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

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

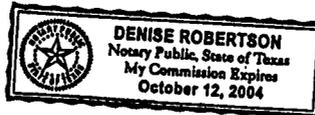
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.



  
M. S. Haskins

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

(Notary Seal)



  
NOTARY PUBLIC, STATE OF TEXAS

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



**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS
2. CDW	✓	5-LP
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: **12-31-2001**

<b>FROM: (Old Operator):</b>
AMOCO PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
HOUSTON, TX 77079
Phone: 1-(281)-366-5328
Account N0050

<b>TO: ( New Operator):</b>
BP AMERICA PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
HOUSTON, TX 77079
Phone: 1-(281)-366-5328
Account N1990

**CA No.**

**Unit: ANSCHUTZ RANCH EAST**

**WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
ARE W20-08	43-043-30123	4540	20-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W30-02	43-043-30218	4540	30-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W30-06	43-043-30273	4540	30-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W30-15	43-043-30216	4540	30-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W30-08	43-043-30164	4540	31-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W31-04E	43-043-30165	4540	31-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W31-05	43-043-30280	4540	31-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W31-06	43-043-30217	4540	31-4N-8E	FEE	GW	P
ANSCHUTZ RANCH EAST W31-12	43-043-30190	4540	31-4N-8E	FEE	GW	S
ANSCHUTZ RANCH EAST W32-04	43-043-30162	4540	32-4N-8E	FEE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/13/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/13/2001

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 12/14/2001

4. Is the new operator registered in the State of Utah: YES Business Number: PENDING

5. If **NO**, the operator was contacted on: N/A

6. **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

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **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: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 12/17/2001

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/17/2001

3. Bond information entered in RBDMS on: 12/11/2001

4. Fee wells attached to bond in RBDMS on: 12/17/2001

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

**INDIAN BOND VERIFICATION:**

1. Indian well(s) covered by Bond No.: N/A

**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: N/A

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: 103172911249

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

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: 12/19/2001

**COMMENTS:**

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

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
		8. WELL NAME and NUMBER: ARE W30-02
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	9. API NUMBER: 4304330218	
2. NAME OF OPERATOR: BP AMERICA PRODUCTION COMPANY SUITE A	10. FIELD AND POOL, OR WILDCAT: ANSCHUTZ RANCH EAST	
3. ADDRESS OF OPERATOR: 1013 CHEYENNE DR. CITY EVANSTON STATE WY ZIP 82930	PHONE NUMBER: (303) 423-5749	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 715 FNL X 2182 FEL		COUNTY: SUMMIT
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 30 4N 8E		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 checked="" 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 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.

The ARE W30-02 is shut in and has not been plugged and abandoned due to potential for sidetrack or deep drill. BP's plan is to hold these wells in a Temporarily Abandoned status until this potential is verified or eliminated. Upon elimination of potential, the wells will be plugged and abandoned. As for mechanical integrity: These wells all have packers installed and casing pressure is monitored by our field personnel. The wellhead valves are also on a regular PM for greasing and testing.

Please call Kris Lee at 303-423-5749 or Clark Lawler at 307-783-2406 if you have questions.

COPY SENT TO OPERATOR  
 Date: 11-19-03  
 Initials: CLD

**RECEIVED**  
**MAR 27 2003**

DIV. OF OIL, GAS & MINING

**THIS SUNDRY IS BEING RETURNED; INSUFFICIENT DATA WAS SUBMITTED TO APPROVE THE REQUESTED ACTION (see attached sheet).**

*[Signature]*  
November 19, 2003  
Utah Division of Oil, Gas and Mining

NAME (PLEASE PRINT): Kristina A. Lee	TITLE: Regulatory Specialist
SIGNATURE: <i>Kristina A Lee</i>	DATE: 3/17/2003

(This space for State use only)

## ***INFORMATION REQUIRED TO EXTEND SI/TA OF WELL***

Well Name and Number: ARE W30-02  
API Number: 43-043-30218  
Operator: Merit Energy Company  
Reference Document: Original Sundry dated March 17, 2003, received by  
DOGGM on March 27, 2003

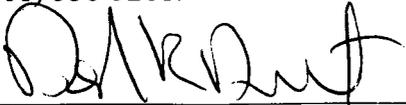
The well has been Shut-in/Temporarily Abandoned for 3 years 0 months. Insufficient information was submitted to the Division to approve the referenced well for continued Shut-in or Temporary Abandonment (SI/TA). The following requirements of R649-3-36 have not been met with this request for SI/TA approval.

1. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
2. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment. (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram and;
2. Copy of recent casing pressure test and/or;
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity and;
4. Fluid level in the wellbore and;
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

  
\_\_\_\_\_  
Dustin K. Doucet  
Petroleum Engineer

November 19, 2003  
\_\_\_\_\_  
Date

**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.

<b>1. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
<b>2. NAME OF OPERATOR:</b> BP America Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
<b>3. ADDRESS OF OPERATOR:</b> 501 WestLake Park Blv CITY: Houston STATE: TX ZIP: 77079		7. UNIT or CA AGREEMENT NAME: See Attached
<b>4. LOCATION OF WELL</b> 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"/> <b>NOTICE OF INTENT</b> <small>(Submit in Duplicate)</small> Approximate date work will start: _____  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> <small>(Submit Original Form Only)</small> Date of work completion: _____	<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 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 Frank N. Dicum 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

(This space for State use only)

**RECEIVED**  
**JUL 03 2003**

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 NWNW	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	
43-043-30158-00-00	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 NWNW	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		29 NESE	2170 S		680 E	
43-043-30178-00-00	BP AMERICA PRODUCTION CO	ARE W17-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		17 NWSE	1765 S		1444 E	
43-043-30183-00-00	BP AMERICA PRODUCTION CO	ARE W30-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		30 SENE	2109 N		665 E	
43-043-30185-00-00	BP AMERICA PRODUCTION CO	ARE W30-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		30 SESW	1195 S		1405 W	
43-043-30188-00-00	BP AMERICA PRODUCTION CO	ARE W01-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E		1 SENW	1777 N		1668 W	
43-043-30190-00-00	BP AMERICA PRODUCTION CO	ARE W31-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		31 SWNW	1778 N		640 W	
43-043-30204-00-00	BP AMERICA PRODUCTION CO	ARE W19-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		19 SWSE	1229 S		1350 E	
43-043-30209-00-00	BP AMERICA PRODUCTION CO	ARE W01-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E		1 NENW	386 N		2013 W	
43-043-30215-00-00	BP AMERICA PRODUCTION CO	ARE W30-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		30 NWSE	2230 S		2432 E	
43-043-30216-00-00	BP AMERICA PRODUCTION CO	ARE W30-15	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		30 SESW	626 S		2848 E	
43-043-30217-00-00	BP AMERICA PRODUCTION CO	ARE W31-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		31 SENW	1397 N		2181 W	
43-043-30218-00-00	BP AMERICA PRODUCTION CO	ARE W30-02	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		30 NWNW	715 N		2182 E	
43-043-30220-00-00	BP AMERICA PRODUCTION CO	ARE W20-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		20 NWSW	2531 S		7 W	
43-043-30226-00-00	BP AMERICA PRODUCTION CO	ARE E28-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		28 SENW	1900 N		1652 W	
43-043-30227-00-00	BP AMERICA PRODUCTION CO	ARE W36-10	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E		36 NESW	2315 S		3185 E	
43-043-30228-00-00	BP AMERICA PRODUCTION CO	ARE W20-02	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		20 NWNW	319 N		2000 E	
43-043-30229-00-00	BP AMERICA PRODUCTION CO	ARE W20-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		20 SENW	2560 N		2567 W	
43-043-30231-00-00	BP AMERICA PRODUCTION CO	ARE W16-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		16 SWNW	2756 S		454 W	
43-043-30238-00-00	BP AMERICA PRODUCTION CO	ARE W20-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		20 NWNW	702 N		414 W	
43-043-30248-00-00	BP AMERICA PRODUCTION CO	ARE W30-12A	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		30 NWSW	1886 S		47 W	
43-043-30250-00-00	BP AMERICA PRODUCTION CO	ARE W29-06A	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		29 SENW	1513 N		1548 W	
43-043-30251-00-00	BP AMERICA PRODUCTION CO	ARE W29-14A	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		29 NWSW	1786 S		795 W	
43-043-30255-00-00	BP AMERICA PRODUCTION CO	ARE W36-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-7E		36 SESW	901 S		1780 W	
43-043-30257-00-00	BP AMERICA PRODUCTION CO	ARE E28-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		28 NWSW	1994 S		806 W	
43-043-30265-00-00	BP AMERICA PRODUCTION CO	ARE W2-10	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E		2 NWSE	1959 S		1463 E	
43-043-30270-00-00	BP AMERICA PRODUCTION CO	ARE W01-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E		1 SWNW	697 N		465 W	
43-043-30271-00-00	BP AMERICA PRODUCTION CO	ARE W01-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	3N-7E		1 NWSW	2072 S		1669 W	
43-043-30272-00-00	BP AMERICA PRODUCTION CO	ARE W19-08	Gas Injection	Inactive Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		19 SENE	2227 N		301 E	

**BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY**

43-043-30273-00-00	BP AMERICA PRODUCTION CO	ARE W30-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	<del>400-8E</del>	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	<del>300-7E</del>	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	<del>400-7E</del>	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	<del>400-8E</del>	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	<del>300-7E</del>	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	<del>400-8E</del>	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	<del>400-8E</del>	20 SESW	641 S	1810 W

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

ARE W-30-02

9. API NUMBER:

043-30218

1. TYPE OF WELL

OIL WELL

GAS WELL

OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

Merit Energy Company BP AMERICA PRODUCTION CO

3. ADDRESS OF OPERATOR:

13727 Noel Rd. #500 CITY Dallas STATE TX ZIP 75240

PHONE NUMBER:

(972) 628-1569

10. FIELD AND POOL, OR WILDCAT:

Anschutz Ranch, East

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 715' FNL & 2182' FEL

COUNTY: Summit

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 30 T4N R8E

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: <u>8/1/2003</u>	<input checked="" 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 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>Isolate bottom perms;</u> <u>Return to production</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 proposes to isolate the bottom perms (13620' - 14118') by setting a CIBP. Acidize perms 13126' - 13586' and return well to production as follows:

MIRU pulling unit. ND tree. NU BOP. Release pkr. & TOH LD 3-1/2" tbg. MIRU WL. TIH w/GR to 13700'. TIH w/CIBP & set @ 13610'. Dump bail 10' cement plug on top of CIBP. RD WL. TIH w/2-7/8" tbg. & set @ 13,100'. ND BOP & NU tree. RD pulling unit. MIRU Service Company. Acidize Nugget perms 13126' - 13586' w/3570 gals 15% HCL foamed to 50Q w/N2. Jet well in w/N2. RD Service Company. Return well to production.

COPY SENT TO OPERATOR  
Date: 8-6-03  
Initials: CHD

NAME (PLEASE PRINT) Lynne Moon

TITLE Sr. Regulatory Analyst

SIGNATURE

Lynne Moon

DATE

(This space for State use only)

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

DATE: 8/5/2003

BY: [Signature]

(See Instructions on Reverse Side)

(5/2000)

RECEIVED  
JUL 30 2003  
DIV. OF OIL, GAS & MINING

COPY

LEASE DESIGNATION AND SERIAL NUMBER:

FEE

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  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR: Merit Energy Company BP AMERICA PRODUCTION CO

3. ADDRESS OF OPERATOR: 13727 Noel Rd. #500 CITY Dallas STATE TX ZIP 75240 PHONE NUMBER: (972) 628-1569

4. LOCATION OF WELL FOOTAGES AT SURFACE: 715' FNL & 2182' FEL COUNTY: Summit QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 30 T4N R8E STATE: UTAH

7. UNIT or CA AGREEMENT NAME: ARE W-30-02

8. WELL NAME and NUMBER: ARE W-30-02

9. API NUMBER: 043-30218

10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch, East

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: 8/1/2003	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<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: Isolate bottom perms; Return to production
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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COPIES SENT TO OPERATOR  
Date: 8-6-03  
By: LHM

NAME (PLEASE PRINT) Lynne Moon TITLE Sr. Regulatory Analyst

SIGNATURE *Lynne Moon* DATE

This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
DATE: 8/5/2003  
BY: *[Signature]*

RECEIVED  
JUL 30 2003  
DIV. OF OIL, GAS & MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**X Change of Operator (Well Sold)**

**Designation of Agent/Operator**

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

**7/1/2003**

<b>FROM: (Old Operator):</b>	<b>TO: ( New Operator):</b>
N1990-BP America Production Company 501 WestLake Park Blvd Houston, TX 77079 Phone: (281) 366-2000	N4900-Merit Energy Company 13727 Noel Road, Suite 500 Dallas, TX 75240 Phone: (972) 628-1558

**CA No.**

**Unit:**

**ANSCHUTZ RANCH EAST**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
ARE W01-02	01	030N	070E	4304330209	4540	FEE	GW	P
ARE W01-04	01	030N	070E	4304330270	4540	FEE	GW	S
ARE W2-10	02	030N	070E	4304330265	99990	FEE	GI	I
ARE W36-10	36	040N	070E	4304330227	4540	FEE	GW	S
ARE W36-14	36	040N	070E	4304330255	4540	FEE	GW	S
ARE W16-12	16	040N	080E	4304330231	4540	FEE	GW	S
ARE W19-16	19	040N	080E	4304330204	4540	FEE	GW	S
ARE W20-12	20	040N	080E	4304330220	4540	FEE	GW	S
ARE W20-02	20	040N	080E	4304330228	4540	FEE	GW	S
ARE W20-10	20	040N	080E	4304330229	4540	FEE	GW	P
ARE W20-04	20	040N	080E	4304330238	4540	FEE	GW	S
ARE E28-06	28	040N	080E	4304330226	4540	FEE	GW	P
ARE E28-12	28	040N	080E	4304330257	4540	FEE	GW	P
ARE W29-06A	29	040N	080E	4304330250	4540	FEE	GW	P
ARE W29-14A	29	040N	080E	4304330251	4540	FEE	GW	P
ARE W30-10	30	040N	080E	4304330215	4540	FEE	GW	P
ARE W30-15	30	040N	080E	4304330216	4540	FEE	GW	P
ARE W30-02	30	040N	080E	4304330218	4540	FEE	GW	S
ARE W30-12A	30	040N	080E	4304330248	99990	FEE	GI	I
ARE W31-12	31	040N	080E	4304330190	4540	FEE	GW	S
ARE W31-06	31	040N	080E	4304330217	4540	FEE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/3/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/3/2003
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/7/2003
- Is the new operator registered in the State of Utah: YES Business Number: 1348145-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

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



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240-7312

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Mr. Taylor:

Merit Energy Company, as of January 2004, has twenty-four (24) Fee Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. This includes twenty (20) Fee Lease Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Page 2  
January 22, 2004  
Lance Taylor

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File

	Well Name	API	Lease Type	Years Inactive
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months



State of Utah

Department of  
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January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240-7312

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and
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Page 2  
January 22, 2004  
Lance Taylor

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Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
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2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months



Date: February 13, 2004

Subject: Extended Shut-in wells in the Anschutz Ranch East Field

Dear Mr. Doucet:

In response to your letter dated January 22, 2004, I would like to submit the attached supporting documentation regarding our extended shut-in wells. Merit Energy Company purchased an operating interest in the Anschutz Ranch East Unit from BP Production Company effective July 1, 2003, and has spent the last seven months evaluating the production capability of all active and inactive wells in the field. This process has resulted in workovers that have reestablished production in several of these wells, and revealed future opportunities for all of the others. Here is a quick synopsis of our plans for each well.

- **ARE W20-06-** Workover is planned to immediately reactive this well by running smaller tubing, and putting the well on gas lift. Should be reactivated by mid year 2004.
- **ARE W31-04-** BP attempted a directional reentry of this wellbore in 2001, during which time the drill pipe was inadvertently cemented in the horizontal section of the wellbore. Merit is investigating methods to effectively stimulate this wellbore and return it to production. If unable to do so, it will be plugged.
- **ARE W36-10-** This well will be the first test candidate for an experimental production method for artificial lifting gas wells. An electric submersible pump will be run in this well in the next couple of months in an attempt to reestablish production by removing large volumes of water from the formation. If this project is successful it could lead to the reactivation of virtually every inactive well in the field. The project is approved internally, and we are waiting on equipment and supplies before mobilizing a service rig.
- **ARE W36-08-** This well has been reactivated following a workover last fall. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W21-04-** Surface tubing pressure indicates this well may be capable of producing again. However attempts to return this well to production with the current wellbore configuration have not been successful. Merit plans to install smaller tubing and gas lift on this well. If that is unsuccessful, this well is also a candidate for an electric submersible pump installation. If all attempts to reactivate the Nugget formation fail, this well is a recompletion candidate in the Twin Creek formation.
- **Champlin 372 C-1-** This well is capable of producing for a few days at a time, but quickly loads up with water and dies. Again, this well is a candidate for an electric submersible pump installation, or may be used as a salt water disposal well if additional capacity is needed due to the ESP program.
- **ARE W16-06-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W01-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-02-** An attempt was made to return this well to production last fall, but was unsuccessful due to high water production. Pending the success of the W36-10, this well will also have an electric submersible pump installed.
- **ARE W36-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-06-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W20-02-** A workover has been approved internally to reactivate this well, and should begin in the next few weeks. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W30-13-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W19-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.

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DIV. OF OIL, GAS & MINING

- **ARE W20-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W31-12-** An attempt was made to reactivate this well in late 2003, but was unsuccessful. A sundry notice was filed and approved by the Utah Oil and Gas Commission. An uphole recompletion in the Twin Creek formation is planned and will be completed in the next few months.
- **ARE W01-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W11-01-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W20-03-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W16-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE W16-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **Champlin 387 B-1A-** Merit Energy is in the process of obtaining records from BP for this well. Once historical information is obtained, we will evaluate all feasible methods to return this well to producing status. Otherwise it will be plugged.
- **ARE W17-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE E21-14-** This well was returned to producing status on 12/19/03.

In addition to this information, I have enclosed pressure data for all wells, and a wellbore schematic for all wells except the Champlin 387 B-1A. The static bottom hole pressures and static fluid levels were collected in September 2003 with bottom hole gauges. If you need any further information, please contact me at 972-628-1651 or electronically at [lance.taylor@meritenergy.com](mailto:lance.taylor@meritenergy.com).

Regards,



Lance L. Taylor  
Operations Engineer

Cc: Rusty Ginnetti  
Arlene Valliquette  
Dennis Longwell

Attachments: (1) page of pressure data, (23) wellbore schematics

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		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 checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>ARE W 30-02</b>
2. NAME OF OPERATOR: <b>Merit Energy Company</b>		9. API NUMBER: <b>043.30218</b>
3. ADDRESS OF OPERATOR: <b>13727 Noel, Ste 500</b> CITY <b>Dallas</b> STATE <b>TX</b> ZIP <b>75240</b>		10. FIELD AND POOL, OR WILDCAT: <b>Anschutz Ranch East</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>715' FNL &amp; 2181' FEL</b>		COUNTY: <b>Summit</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNE 30 T4N R8E</b>		STATE: <b>UTAH</b>

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 checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>10/15/2003</b>	<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>Isolate bottom perms</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 performed the following:

8/21-10/15/03: MIRU. Kill well w/30 bbls 2% KCL. ND WH. NU BOP. TOH w/pkr @ 12835'. LD seal assembly. TOH w/ 3-1/2" tbg. RU WL. RIH w/GR. Run pulsed neutron log across perms. TIH w/CIBP. Set @ 13590'. Dump bail 10' of cmt on top of CIBP. RD. PU Baker M-reliant pkr. Set @ 13055'. TIH w/2-7/8" tbg. MIRU CTU. Acidize Nugget perms 13778-14274' w/3000 gals 50Q N2 foamed 15% HCL. Jet hole clean w/N2. Swab well. ND tree. NU BOP. RIs M-reliant pkr. ND BOP. NU tree. Swab well. RDMO. Well is shut-in.

NAME (PLEASE PRINT) <u>Karla Stines</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE	DATE <u>2/12/2004</u>

(This space for State use only)

**RECEIVED**  
**FEB 19 2004**  
DIV. OF OIL, GAS & MINING

Return-path: <Lance.Taylor@meritenergy.com>  
Received: from imail.meritenergy.com [208.133.141.18]  
by UTSTDP13.state.ut.us; Tue, 24 Feb 2004 07:06:49 -0700  
Subject: Anschutz Ranch East Unit  
To: clintondworshak@utah.gov  
Cc: Rusty Ginnetti <Rusty.Ginnetti@meritenergy.com>,  
Arlene Valliquette <Arlene.Valliquette@meritenergy.com>,  
Dennis Longwell <Dennis.Longwell@meritenergy.com>  
X-Mailer: Lotus Notes Release 5.0.10 March 22, 2002  
Message-ID: <OF2FAC50A1.BE12C251-ON86256E44.004B0584-  
86256E44.004D8670@meritenergy.com>  
From: Lance Taylor <Lance.Taylor@meritenergy.com>  
Date: Tue, 24 Feb 2004 08:06:46 -0600  
X-MIMETrack: Serialize by Router on imail/Meritenergy(Release 6.0.3|September 26, 2003) at  
02/24/2004 08:06:49 AM  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Mr. Dworshak,

I'd like to confirm our 2/23/04 telephone conversation in response to my letter dated 2/13/04 regarding extended shut in and temporarily abandoned wellbores in the Anschutz Ranch East Unit ("ARE Unit") of Summit county Utah. It is Merit Energy Company's intention to utilize each wellbore to it's full capacity. As such, Merit is in the process of attempting to reactivate the wellbores in question. Several wellbore specific workovers have been identified, and the approximate timing of each is mentioned in my original letter.

However, the majority of the reactivation work depends on the successful utilization of electric submersible pumps for artificial lift. It is the timing of this project that I would like to address. As you know, this is a capital intensive project, so Merit plans to do the appropriate research prior to implementation. Merit intends to test the idea on the ARE W36-10 within the next 8-12 weeks. Following a 4-12 week test period, Merit will perform a strenuous economic and operational evaluation. If it is determined that the project is valid, full scale implementation could begin as early as June. However, due to the complexity of the equipment, depth of the wells, and unavailability of service rigs, Merit anticipates this project will take several months, possibly one year, to complete. Due to the large volumes of water to be produced by this project, it is likely that one or more of the shut in wells will need to be reactivated as salt water disposal wells. All regulatory and state documentation will be completed prior to SWD conversion.

Finally, if the ESP project is unsuccessful, several of these wellbore have recompletion potential in shallower formations. Specifically, Merit has identified the Jurassic aged Twin Creek formation as a possible recompletion target. Completion practices must be researched and developed in order to ensure economic quantities of hydrocarbons. Again, all state and federal permits will be approved prior to project implementation.

If after all our efforts to economically reactivate these wells fail, Merit Energy will begin the plug and abandonment process. I trust this will clear up any issues of timing. If you have further questions or concerns please feel free to contact me at any of the numbers below.

Regards,

Lance L. Taylor  
Operations Engineer-Rockies Region  
Merit Energy Company  
direct: 972-628-1651  
fax: 972-701-0351  
mobile: 972-998-9116  
lance.taylor@meritenergy.com



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

March 5, 2004

CERTIFIED RETURN RECEIPT NO. 7002 0510 0003 8602 4880

Mr. Lance Taylor  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated January 22, 2004.

Dear Mr. Taylor,

The Division of Oil, Gas and Mining (DOGM) is in receipt of your letter dated February 13, 2004 in regards to the twenty-four (24) shut-in wells operated by Merit Energy Company (Merit). DOGM accepts Merit's plan of action to recomplete all twenty-four wells by year-end 2004. Many of the recompletions are dependent upon the success of electric submersible pumps; if this experimental procedure is not successful, keep the Division advised of any changes in Merit's plan of action. Based upon the plan of action and other information provided, DOGM approves the twenty-four (24) wells for extended shut-in until January 1, 2005. Please submit recompletion procedures and notice of intent sundries upon finalization.

For reference, Attachment A lists the wells subject to this request. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin Doucet  
Petroleum Engineer

	<b>Well Name</b>	<b>API</b>	<b>Lease Type</b>	<b>Years Inactive</b>
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months



January 7, 2005

State of Utah – Department of Natural Resources  
Division of Oil, Gas, & Mining  
Attn: Mr. Dustin Doucet  
PO Box 145801  
Salt Lake City, UT 84114-5801

Dear Mr. Doucet:

This letter is in response to a telephone conversation that I had with Clint Dworshak on December 6, 2004. At that time, he requested that I provide information on Merit Energy Company's shut-in wells at Anschutz Ranch East, proving that the ground waters are protected.

Enclosed, please find a summary sheet, as well as wellbore diagrams for the subject wells.

If you have any questions or wish to discuss this further, please contact me at (972) 628-1550 or electronically at [mike.mercer@meritenergy.com](mailto:mike.mercer@meritenergy.com).

Sincerely,

Michael L. Mercer  
Engineering

# UTAH DOGM – SI WELL LIST

## Wells to be Reactivated in 2005

- CHAMPLIN 372 C1
  - Packer at 8,320 (MD) 6,648 (TVD)
  - Top of cement (TOC) at 4,906
  - Tubing Pressure 1250#
  - Casing Pressure 0#
  - The 4-1/2" liner is cemented in place at 5090 (below the TOC). The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-06
  - Packer at 13,398
  - Top of cement (TOC) at 12,640
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - The packer is located below the TOC. When Merit set the packer in October 2004, we pressure tested the annulus to 500 psi and it held. Therefore, the casing has integrity and the ground waters are protected.
- ARE W30-02
  - Packer at none
  - Top of cement (TOC) at 12,452
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 8200' from Surface
  - On 09/02/03, Merit ran a packer in this well and sat it at 13055' (below the TOC). The casing and packer were pressure tested to 1500 psi and held. The packer has since been removed and there is open-ended tubing in the well. However, the casing has integrity and the ground waters are protected.
- ARE W36-14
  - Packer at 13,988
  - Top of cement (TOC) at 13,700
  - Tubing Pressure 400#
  - Casing Pressure 0#
  - The packer is set below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W30-06
  - Packer at 13,450
  - Top of cement (TOC) at 11,200 (7" casing)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - The packer is set below the TOC. The 9-5/8" casing string has cement f/ 11911-7940. The 13-3/8" casing has cement f/ 5745-1200. With no pressure on the casing, and three strings of casing (7", 9-5/8", 13-3/8"), the ground waters are protected.
- ARE W30-13
  - Packer at 12,320
  - Top of cement (TOC) at 12,200
  - Tubing Pressure 300#
  - Casing Pressure 0#
  - The packer is set below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.

## UTAH DOGM – SI WELL LIST

- ARE W31-12
  - Packer at none
  - Top of cement (TOC) at 10,700
  - Casing Pressure 100#
  - Fluid Level 1000' from Surface
  - There is not a packer or tubing in this well. The static fluid level is 1000' from surface. There is a 13-3/8" casing string set at 2846', a 9-5/8" casing string set at 10272', and a 7" tie-back casing string set at 9919'. These three casing strings are protecting the ground waters.

### Wells with No Immediate Plans

- ARE W31-04
  - Packer at 14,000
  - Top of cement (TOC) at 11,900
  - Tubing Pressure 1100#
  - Casing Pressure 50#
  - This well is a horizontal sidetrack. The primary cement job on the original production casing had a TOC at 11,900. The kick-off point for the horizontal leg is below this depth. Additionally, the drill string was cemented in the horizontal section with the TOC estimated to be between 13126 and 13310. Based on the fact that the tubing and casing pressures are different, the two are not in communication and therefore, the ground waters are protected.
- ARE W01-12
  - Packer at 14,317
  - Top of cement (TOC) at 14,290
  - Tubing Pressure 300#
  - Casing Pressure 0#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W19-16
  - Packer at 9,756
  - Top of cement (TOC) at unknown
  - Tubing Pressure 1000#
  - Casing Pressure 0#
  - The packer is located in the "Tie-Back" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W20-04
  - Packer (PBR) at 10,489
  - Top of cement (TOC) at 9,415 (9-5/8" & 9-7/8" casing string)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 9600' from Surface
  - The tubing is tied into the 5" liner with a polish bore receptacle (PBR) at 10,489. The TOC for the intermediate casing is above this point (at 9,415). The static fluid level is at 9600' (below the TOC), therefore, the ground waters are protected.
- ARE W01-04
  - Packer at 13,891
  - Top of cement (TOC) at 13,600
  - Tubing Pressure 1400#
  - Casing Pressure 100#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.

## UTAH DOGM – SI WELL LIST

- ARE W11-01
  - Packer at 12,733
  - Top of cement (TOC) at 12,100
  - Tubing Pressure 1500#
  - Casing Pressure 50#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W20-03
  - Packer at 13,271
  - Top of cement (TOC) at 12,600
  - Tubing Pressure 1400#
  - Casing Pressure 75#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-14
  - Packer (PBR) at 10,500
  - Top of cement (TOC) at 9,650 (9-5/8" casing)
  - Tubing Pressure 1500#
  - Casing Pressure 850#
  - The tubing is tied into the 4-1/2" liner with a PBR at 10,500. This is below the TOC for the 9-5/8" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE W16-12
  - Packer at 10,304
  - Top of cement (TOC) at 10,100 (9-5/8" casing)
  - Tubing Pressure 50#
  - Casing Pressure 0#
  - The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- CHAMPLIN 387 B1A
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 5200' from surface
  - Merit has no wellfiles regarding this well. We are currently trying to obtain information on this well
- ARE W17-16
  - Packer (PBR) at 10,237
  - Top of cement (TOC) at 10,371 (7-5/8" casing)
  - Tubing Pressure 0#
  - Casing Pressure 0#
  - Fluid Level 8400' from Surface
  - The tubing is tied into the 5" liner with a PBR at 10,237. There is a 13-3/8" casing string set at 2526', a 9-5/8" casing string set at 10701', and a 7" tie-back casing string set at 10237'. These three casing strings are protecting the ground waters.





**Completion/Wellwork Activity**

Well Name : Anshutz Ranch East W 30 02							
Well User ID :	524.1038	API Code:		AFE # :		8320	
Operator :	MERIT ENERGY COMPANY			Operated :		Yes	
S/T/R :	/ /	WI :		NRI :		0.408462	
County, St. :	UINTA, WY	Field :		AFE CC :		\$0	
Spud Date :		Dig Rig Rel Date:		AFE Total:		\$101,700	
Comp Date:		AFE Type :		Workover		PBTB:	
	ft. from	line and		ft. from	line	TD :	
Job Purpose :							

Date : 8/21/2003

Activity: reactivate

Days On Completion: 1

Remarks : #1 Road rig to well and support equipment. Rig up rig unload equipment. SITP=1400 psi, SICP=500. Blow down tubing and casing to the flare pit. Shut down for night.

Move tank for K.C.L. water

DC : \$3,259

CCC: \$3,259

CWC: \$3,259

Date : 8/22/2003

Activity: reactivate

Days On Completion: 2

Remarks : Travel to location. Hold safety meeting. SITP=350 psi, SICP=300 psi. Blow well down to flare pit. Pressure test casing to 1500 psi. Kill well with 30 bbl of 2% KCL water. ND WH & NU BOP. Work tubing. Pump down tubing and pull about 174000# (54k over) to sting out of packer. Start pull laying down pups. Shut down for night.

DC : \$5,077

CCC: \$8,336

CWC: \$8,336

Date : 8/23/2003

Activity: reactivate

Days On Completion: 3

Remarks : Travel to location. Hold safety meeting. SITP=50 psi, SICP=0 psi. Blow down to flare pit. Fines coming out of the hole with the tubing. Lay down seal assembly and pick up the otis versa retrieve tool. Pick up "R" nipple and start in the hole with 70 stands. Shut down for night.

DC : \$5,107

CCC: \$13,443

CWC: \$13,443

Date : 8/25/2003

Activity: reactivate

Days On Completion: 5

Remarks : Travel to location. Hold safety meeting. SITP=20 psi, SICP=0 psi. Blow down to flare pit. Continue go in the hole with tubing latch in to packer @ 12835' with retrieving tool. Work retrieving tool and shear the packer and pull out of hole. Start TOH LD 3 1/2" vam 9.3# tubing.

DC : \$5,107

CCC: \$18,550

CWC: \$18,550



# Merit Energy Company

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

## Daily Completion/WellWork Activity Report

**Date :** 8/26/2003

**Activity:** reactivate

**Days On Completion:** 6

**Remarks :** Travel to location. Hold safety meeting. SITP=20 psi, SICP=0 psi. Continue to TOH and lay down the 3 1/2 vsm 9.3# tubing. Lay down otis versa-trieve packer and retrieving tool. Rig up Halliburton E line truck. RIH w/ gauge ring. RIH w/ pulsed neutron log thru perforations. RIH w/ CIBP and set at 13,590'. RIH w/ dump bailer and put 10' of cement on top of the plug. Rig down Halliburton shut blined rams. Shut down for night.

**DC :** \$10,546

**CCC:** \$29,096

**CWC:** \$29,096

**Date :** 8/27/2003

**Activity:** reactivate

**Days On Completion:** 7

**Remarks :** Travel to location. Hold safety meeting. SICP=25 psi. Blow down to pit. Pick up Baker M-reliant packer 1jt of 2 7/8 tubing "XN" nipple 1jt 2 7/8 tubing x nipple pick u 416 jts 2 7/8 6.5# N-80 tubing to 1050'. Shut down for night.

**DC :** \$11,151

**CCC:** \$40,248

**CWC:** \$40,248

**Date :** 9/2/2003

**Activity:** reactivate

**Days On Completion:** 13

**Remarks :** Travel to location. Hold safety meeting. SITP=100 psi, SICP=0 psi. Set packer at 13055' put 15,000# compression down on packer. Lay down 2 jt We have 416 jts in the hole total set at 13055'. Land tubing fill back side with packer fluide pressure up to 1500# rig down rig pump and hy drill. Shut down for night.

**DC :** \$5,110

**CCC:** \$48,174

**CWC:** \$48,174

**Date :** 9/3/2003

**Activity:** reactivate

**Days On Completion:** 14

**Remarks :** Travel to location and hold safety meeting. Rig down move off clean up location haul of equipment. Wait on well head equipment.

**DC :** \$3,067

**CCC:** \$48,424

**CWC:** \$48,424

**Date :** 9/10/2003

**Activity:** reactivate

**Days On Completion:** 21

**Remarks :** MIRU BJ Services CTU. N2 pump broke down. Sent to Rocksprings for repair. Back on location next day (9/11/03), but pump was still broken. BJ called CUDD and got there pump truck to do the job. Run coil in the hole shut tubing in and pumped 3000 gal 50Q N2 foamed 15% HCL. Wash across perms. Jet hole clean with N2. RDMO CTU.

**DC :** \$34,654

**CCC:** \$83,079

**CWC:** \$83,079

**Date :** 9/15/2003

**Activity:** reactivate

**Days On Completion:** 26

**Remarks :** Travel to location. Hold safety meeting. MIRU swab unit. IFL @ 6250'. Made 16 swab runs got back 105 bbls. Shut down for night.

**DC :** \$2,442

**CCC:** \$85,521

**CWC:** \$85,521



**Merit Energy Company**

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(972) 701-8377

**Daily Completion/WellWork  
Activity Report**

---

**Date :** 9/16/2003

**Activity:** reactivate

**Days On Completion:** 27

**Remarks :** Travel to location. Hold safety meeting. SITP=0 psi, SICP=0 psi. Start swabing. Hit fluid at 7400' make 23 run 126 bbl no oil or gas. Shut down for night.

**DC :** \$2,433

**CCC:** \$87,954

**CWC:** \$87,954

---

**Date :** 9/17/2003

**Activity:** reactivate

**Days On Completion:** 28

**Remarks :** Travel to location. Hold safety meeting. RDMO.

**DC :** \$462

**CCC:** \$88,416

**CWC:** \$88,416

---

**Date :** 9/20/2003

**Activity:** reactivate

**Days On Completion:** 31

**Remarks :** Travel to location. Hold safety meeting. SITP=0 psi. Rig up swab unit. IFL at 8200'. Swab all day. Swab back 94 bbl of water no gas. Shut down for night.

**DC :** \$2,000

**CCC:** \$90,416

**CWC:** \$90,416

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**Date :** 9/22/2003

**Activity:** reactivate

**Days On Completion:** 33

**Remarks :** Travel to location. Hold safety meeting. SITP=0 psi. IFL at 8400'. Made 2 runs and rig down move off.

**DC :** \$585

**CCC:** \$91,001

**CWC:** \$91,001

---

**Date :** 10/5/2003

**Activity:** reactivate

**Days On Completion:** 46

**Remarks :** Travel to location. Hold safety meeting. SITP=150 psi, SICP=0 psi. Blow down tubing nipple down tree and nipple up B.O.P. Rig up floor and equipment Release M-1 reliant Backer packer start out of hole with tubing. Shut down for night.

**DC :** \$5,769

**CCC:** \$100,928

**CWC:** \$100,928

---

**Date :** 10/6/2003

**Activity:** reactivate

**Days On Completion:** 47

**Remarks :** Travel to location & hold safety meeting. Keep pulling tubing out packer hang up equalize pump 50 bbl of 2% water got part way out of hole. Shut down for night.

**DC :** \$0

**CCC:** \$91,001

**CWC:** \$91,001

---

**Date :** 10/7/2003

**Activity:** reactivate

**Days On Completion:** 48

**Remarks :** Travel to location. Hold safety meeting. SITP=0 psi, SICP=0 psi. Continue to pull tubing out of hole lay packer down and start back in the hloe. Nipple down B.O.P. and nipple up well tree. Rig down floor and equipment. Pick up swab. Shut down for night.

**DC :** \$4,158

**CCC:** \$95,159

**CWC:** \$95,159



**Merit Energy Company**

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(972) 701-8377

**Daily Completion/WellWork  
Activity Report**

**Date :** 10/8/2003

**Activity:** reactivate

**Days On Completion:** 49

**Remarks :** Travel to location. Hold safety meeting. SITP=0 psi, SICP=0 psi. RIH w/ swab tools, IFL at 8,000'. Make 16 runs got back 140 bbl of fluid shut down for night.

**DC :** \$4,450

**CCC:** \$105,378

**CWC:** \$105,378

**Date :** 10/10/2003

**Activity:** reactivate

**Days On Completion:** 51

**Remarks :** Travel to location. Hold safety meeting. SITP=0 psi, SICP=150 psi. IFL at 9000'. Make 19 swab runs recovered 152 bbl no sign of gas. Shut down for night.

Total fluid swab back is 292 bbl.

**DC :** \$3,176

**CCC:** \$108,554

**CWC:** \$108,554

**Date :** 10/11/2003

**Activity:** re-entry

**Days On Completion:** 52

**Remarks :** Travel to location. Hold safety meeting. SITP=0 psi, SICP=50 psi. RIH w/ swab tools. IFL at 8,700' make 17 runs left fluid at 10,800' recovered 144 bbl. Shut down for night.

Total fluid swab back is 436 bbl.

**DC :** \$3,007

**CCC:** \$111,561

**CWC:** \$111,561

**Date :** 10/12/2003

**Activity:**

**Days On Completion:** 53

**Remarks :** #21 Rig up swab unit have safety meeting. 0# pressure on tubing and 50# pressure on casing. Run in with swab tage at 8600' make 21 runs swabed down to 11000'. Got back 168 bbl of fluid shut down for night.

**DC :** \$3,590

**CCC:** \$115,151

**CWC:** \$115,151

**Date :** 10/13/2003

**Activity:** re-entry

**Days On Completion:** 54

**Remarks :** #22 Come to work have safety meeting. Head 0# on tubing and 100# on casing. Start swabing tage fluid at 8900' make 10 runs got back 54 bbl shut down for night.

**DC :** \$1,396

**CCC:** \$116,547

**CWC:** \$116,547

**Date :** 10/15/2003

**Activity:** reactivate

**Days On Completion:** 56

**Remarks :** #23 travel to work have safety meeting. Head 0# pressure on tubing and 100# pressure on casing. Start swabing tage fluid at 9100' make 4 runs got back 38 bbl of fluid. Rig down move off clean location.

**DC :** \$1,328

**CCC:** \$117,875

**CWC:** \$117,875

# MERIT ENERGY COMPANY

## Anschutz Ranch East Unit

	WELLS	API Number	Tubing Pressure	Casing Pressure	STATUS ON / OFF	Static BHP	Static Fluid Level
1	ARE# W20-06	43-043-30159	100	200	Shut In	1835	7500-9000'
2	ARE# W31-04E	43-043-30165	1200	0	Shut In	?	?
3	ARE# W36-10	43-043-30227	100	0	Shut In	3042	7500-9000'
4	ARE# W36-08	43-043-30167	100	100	Producing	2844	6000-7500'

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE# W21-04 Champlin 372	43-043-30135	1850	450	Shut In	4130	12000'
2	Amoco #C-1	43-043-30143	0	0	Shut In	?	?
3	ARE# W16-06	43-043-30138	0	0	Shut In	?	?
4	ARE# W01-12	43-043-30271	600	0	Shut In	4181	7500-9000'
5	ARE# W30-02	43-043-30218	0	0	Shut In	?	?
6	ARE# W36-14	43-043-30255	2200	1500	Shut In	3420	Perfs
7	ARE# W30-06	43-043-30273	0	0	Shut In	2397	6000-7500'
8	ARE# W20-02	43-043-30228	100	100	Shut In	?	?
9	ARE# W30-13	43-043-30279	900	0	Shut In	3030	7500-9000'
10	ARE# W19-16	43-043-30204	1400	0	Shut In	2645	Perfs
11	ARE# W20-04	43-043-30238	0	0	Shut In	?	?
12	ARE# W31-12	43-043-30190	20	450	Shut In	3494	4500-6000'
13	ARE# W01-04	43-043-30270			Shut In	4505	7500-9000'
14	ARE# W11-01	43-043-30277	1300	50	Shut In	4575	6000-7500'
15	ARE# W20-03	43-043-30291	1800	75	Shut In	3890	10500'
16	ARE# W16-14	43-043-30096	0	800	Shut In	4570	6000-7500'
17	ARE#16-12	43-043-30231	0	0	Shut In	4781	1500-3000'
18	Champlin 387 #B-1A	43-043-30168	0	0	Shut In	?	?
19	ARE# W17-16	43-043-30176	1100	0	Shut In	4734	3000-4500'
20	ARE# E21-14	43-043-30130	200	150	Producing	3926	Perfs

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# MERIT ENERGY COMPANY

## Anschutz Ranch East Unit

	WELLS	API Number	Tubing Pressure	Casing Pressure	STATUS ON / OFF	Static BHP	Static Fluid Level
1	ARE# W20-06	43-043-30159	100	200	Shut In	1835	7500-9000'
2	ARE# W31-04E	43-043-30165	1200 <sup>1100</sup>	0 <sup>50</sup>	Shut In	?	?
3	ARE# W36-10	43-043-30227	100	0	Shut In	3042	7500-9000'
4	ARE# W36-08	43-043-30167	100	100	Producing	2844	6000-7500'

Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003

1	ARE# W21-04	43-043-30135	1850	450	Shut In	4130	12000'
	Champlin 372		1250	0	Perfs 6648'		
	Amoco #C-1	43-043-30143	0	0	Shut In	?	?
3	ARE# W16-06	43-043-30138	0	0	Shut In	?	2100'
4	ARE# W01-12	43-043-30271	600 <sup>300</sup>	0 <sup>0</sup>	Shut In	4181	7500-9000'
5	ARE# W30-02	43-043-30218	0	0	Shut In	?	?
6	ARE# W36-14	43-043-30255	2200 <sup>400</sup>	1500 <sup>0</sup>	Shut In	3420	Perfs
7	ARE# W30-06	43-043-30273	0 <sup>0</sup>	0 <sup>0</sup>	Shut In	2397	6000-7500'
8	ARE# W20-02	43-043-30228	100	100	Shut In	?	?
9	ARE# W30-13	43-043-30279	900 <sup>300</sup>	0 <sup>0</sup>	Shut In	3030	7500-9000'
10	ARE# W19-16	43-043-30204	1400 <sup>1000</sup>	0 <sup>0</sup>	Shut In	2645	Perfs
11	ARE# W20-04	43-043-30238	0 <sup>0</sup>	0 <sup>0</sup>	Shut In	?	?
12	ARE# W31-12	43-043-30190	20 <sup>100</sup>	450 <sup>100</sup>	Shut In	3494	4500-6000'
13	ARE# W01-04	43-043-30270	1400	100	Shut In	4505	7500-9000'
14	ARE# W11-01	43-043-30277	1300 <sup>1500</sup>	50 <sup>50</sup>	Shut In	4575	6000-7500'
15	ARE# W20-03	43-043-30291	1800 <sup>1400</sup>	75 <sup>75</sup>	Shut In	3890	10500'
16	ARE# W16-14	43-043-30096	0 <sup>1500</sup>	800 <sup>850</sup>	Shut In	4570	6000-7500'
17	ARE#16-12	43-043-30231	0 <sup>50</sup>	0 <sup>0</sup>	Shut In	4781	1500-3000'
18	Champlin 387 #B-1A	43-043-30168	0	0	Shut In	?	?
19	ARE# W17-16	43-043-30176	1100 <sup>0</sup>	0 <sup>0</sup>	Shut In	4734	3000-4500'
20	ARE# E21-14	43-043-30130	200	150	Producing	3926	Perfs

Champlin 372 → Pressure from 0 to 1250 psi (tubing) No FL Perfs @ 6648' <sup>??</sup> BHP

ARE#36-14 → Casing pressure from 1500 to 0 FL @ 1406' Perfs @ 1406' BHP = 3420 psi (132 psi surf) Grad = 0.0667 psi/ft

ARE# W16-14 → Tbg from 0 to 1500 psi; csg remained @ ± 850 psi FL @ 600' Perfs @ 2816' BHP = 4570 psi Grad = 0.0667 psi/ft

ARE# W17-16 → Tbg from 1100 to 0 FL from 4000' to 8400' FL @ 4000' Perfs @ 13806' BHP = 4734 psi Grad = 0.315 psi/ft

**RECEIVED FEB 20 2004**  
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**From:** Mike Mercer <Mike.Mercer@meritenergy.com>  
**To:** "Dustin Doucet" <dustindoucet@utah.gov>  
**Date:** 4/7/2005 3:12:05 PM  
**Subject:** Re: SI/TA integrity questions

On the W16-14, the production foreman did have to replace the gauge to get the new (correct) reading.

On the W17-16, the pressures and fluid levels were actually taken off of a swab report (they did not get "static" readings), which explains why the fluid level (and tubing pressure) was so much lower.

Hope this takes care of you, if not, please call.

Thanks

Michael L. Mercer  
Engineering  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240  
(972) 628-1550 Direct  
(972) 960-1252 Fax

"Dustin Doucet"  
<dustindoucet@utah.gov>  
To  
<Mike.Mercer@meritenergy.com>  
03/11/2005 04:14 PM cc  
Subject  
Re: SI/TA integrity questions

Mike,

Thanks for the info. A couple more questions. On the 16-14 and 17-16 do you figure the readings or gauges were incorrect last year or is their some other reason for the change in pressures?

Dustin

>>> Mike Mercer <Mike.Mercer@meritenergy.com> 03/11/05 1:48 PM >>>

Dustin,

Sorry it has taken me so long to get back with you...in response to your email, most are easily explained...(see below in red)

Regarding the W30-14, we are installing ESPs on either side of this well, we have a service company designing gas lift for this well and are evaluating a reactivation following the ESP installations. If we do not have the well reactivated in the next couple of months, I will provide you with the wellbore diagram, pressures, and fluid level.

Let me know if you need anything else. Thanks

Michael L. Mercer  
Engineering  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240  
(972) 628-1550 Direct  
(972) 960-1252 Fax

"Dustin Doucet"

<dustindoucet@uta

h.gov>

To

<mike.mercer@meritenergy.com>

02/16/2005 04:04

cc

PM

Subject

SI/TA integrity questions

Mike,

I finally looked at the packet you provided us at our January 10th meeting and had questions that you may be able to answer on four wells.

My questions deal with pressure and fluid level changes that I didn't have enough info to explain why they changed. Also, I want to give you

a heads up that another well came on to the SI/TA list this year. It is

the ARE W 30-14 (API 43-043-30185). A similar plan/integrity scenario will have to be followed on this well as we've done with the current SI/TA wells. The four wells that I had questions on are as follows:

Champlin 372 - Tbg pressure went from 0 last year to 1250 psi this year ~~SWAB TESTED 2004~~

ARE W 36-14 - Tbg pressure went from 2200 to 400 psi, csg pressure went

from 1500 to 0 ~~WE PULLED THE OLD PKR, RAN A TEST PKR, SWABBED TESTED, AND~~

~~RAN THE ESP (WE HAVE HAD PROBLEMS, BUT WE HAVE ESTABLISHED COMMERCIAL PRODUCTION)~~

ARE W 16-14 - Tbg pressure went from 0 to 1500 psi, csg pressure did stay constant at ~ 850psi which is probably good, although pressure on the backside doesn't make me feel all warm and fuzzy ~~WE HAVE NOT DONE ANYTHING~~

ARE W 17-16 - Tbg pressure went from 1100 to 0 psi, FL went from 4000' to 8400' opposite of what you would expect hydrostatically based off of the pressure change ~~SWAB TESTED 2004 (FUTURE ESP INSTALLATION)~~

All in all I don't have a lot of concern for lack of integrity, but if you could provide me with some explanations as to why some of these changes occurred on these 4 wells, I would appreciate it. The good news

is that you are reactivating two of the four wells this year.

Hopefully, this email makes some sense. Give me a call if you like and

we can discuss or respond via email. Thanks.

Dustin

Dustin Doucet  
Petroleum Engineer



November 10, 2004

State of Utah – Department of Natural Resources  
Division of Oil, Gas, & Mining  
Attn: Mr. Dustin Doucet  
PO Box 145801  
Salt Lake City, UT 84114-5801

Dear Mr. Doucet:

In a letter dated February 13, 2004, Merit Energy Company informed the DOGM of plans to reactivate twenty-four (24) shut-in wells. Based on this information, on March 5, 2004, the DOGM granted Merit a shut-in extension until January 1, 2005. In April, the engineer working the Anschutz Ranch East (Anschutz) field left Merit. He was replaced by a second engineer that left Merit in August. As a result of this turnover, there has been no continuity at Anschutz. Regretfully, Merit will not have these wells reactivated by January 1, 2005.

I took over as the Operations Engineer at Anschutz in August. On October 6, 2004, I called to discuss this situation with you. You requested that Merit submit a letter stating what work has been completed as well as our future plans.

The largest problem at Anschutz is water. Several wells have loaded up and died as a result of water production. Merit has been investigating several methods to remove the water and reestablish commercial gas production.

“Co-production”

As outlined in the February letter, Merit had plans to attempt “co-production” at Anschutz. “Co-production” is simply utilizing an electric submersible pump (ESP) to remove the water. Our first test candidate was the ARE W36-10. On July 15, 2004, we started the ESP. To date, results have been exceptional. The maximum gas rate that we have seen is 355 mcf/d. This is more than enough to justify the cost of the installation. Average production has been 200 mcf/d and 1200 bwpd.

The only drawback to “co-production” is installing power to location. Without knowing how the well will perform, Merit is hesitant to invest the capital upfront for power installation. Additionally, it took the power company approximately six months to perform the installation.

Although Merit is pleased with the results of “co-production”, we have developed a new plan. We are currently preparing a generator to provide temporary power to location. Future installations will be performed on a temporary basis. If the well proves to be a success, an order for permanent power will be placed with the power company. This allows Merit the flexibility to test several shut-in wells without spending unnecessary capital.

We are currently in the process of preparing the ARE W16-06 for an ESP installation. Additional wells that are currently identified for potential ESP installations are the ARE W30-02, W30-06, W30-13, and W36-14. Merit anticipates having these wells tested during 2005. Further installations will be determined based on the success of the above mentioned wells.

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Capillary Strings

Merit has also begun utilizing capillary strings to inject soap downhole to assist the well in lifting the produced water. We currently have five (5) capillary strings in service at Anschutz and are planning on installing four (4) more before the end of the year.

Gas Lift

Although gas lift is not new to Anschutz, Merit has been trying to extend its capabilities. Our first hurdle regarding gas lift is obtaining additional lift gas capacity. We currently utilize sales gas for gas lift. Based on our current compression, we are limited to 4 mmcf of lift gas. In addition to increasing our gas lift capability, Merit is exploring the idea of utilizing nitrogen for gas lift.

With that being said, we currently have seventeen wells capable of being gas lifted. Due to our limited lift gas capacity, only six (6) wells are currently being gas lifted.

Additionally, Merit is working with several service companies to explore ways to gas lift from below the packer. There are several wells at Anschutz that have one to two thousand feet of pay. As a result, conventional gas lift may or may not be effective. We have tried one method of gas lifting from below the packer and the results are great. However, this method is not a "cure-all". It will only work on select wells. We will continue to look for wells capable of being lifted in this manner. We are in the process of identifying a candidate to test another method of gas lifting from below the packer. As soon as the well is identified, the installation will be performed.

While Merit is still in the early phase of developing completion techniques to adequately produce the wells at Anschutz, we are making great progress. We have had to think "out-of-the-box" to come up with creative ways to remove the water and increase the gas and are exhausting all resources to improve production and reduce idle wellbores.

I have attached the February 13 letter as well as our current plans for the 24 wells.

If you have any questions or require additional information, please contact me at (972) 628-1550 or electronically at [mike.mercer@meritenergy.com](mailto:mike.mercer@meritenergy.com).

Sincerely,



Michael L. Mercer  
Operations Engineering



MERIT ENERGY COMPANY

---

13727 Noel Road, Suite 500  
Dallas, TX 75240  
Ph: 972-701-8377 Fx: 972-960-1252  
www.meritenergy.com

Date: February 13, 2004

Subject: Extended Shut-in wells in the Anschutz Ranch East Field

Dear Mr. Doucet:

In response to your letter dated January 22, 2004, I would like to submit the attached supporting documentation regarding our extended shut-in wells. Merit Energy Company purchased an operating interest in the Anschutz Ranch East Unit from BP Production Company effective July 1, 2003, and has spent the last seven months evaluating the production capability of all active and inactive wells in the field. This process has resulted in workovers that have reestablished production in several of these wells, and revealed future opportunities for all of the others. Here is a quick synopsis of our plans for each well.

- **ARE W20-06-** Workover is planned to immediately reactive this well by running smaller tubing, and putting the well on gas lift. Should be reactivated by mid year 2004.
- **ARE W31-04-** BP attempted a directional reentry of this wellbore in 2001, during which time the drill pipe was inadvertently cemented in the horizontal section of the wellbore. Merit is investigating methods to effectively stimulate this wellbore and return it to production. If unable to do so, it will be plugged.
- **ARE W36-10-** This well will be the first test candidate for an experimental production method for artificial lifting gas wells. An electric submersible pump will be run in this well in the next couple of months in an attempt to reestablish production by removing large volumes of water from the formation. If this project is successful it could lead to the reactivation of virtually every inactive well in the field. The project is approved internally, and we are waiting on equipment and supplies before mobilizing a service rig.
- **ARE W36-08-** This well has been reactivated following a workover last fall. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W21-04-** Surface tubing pressure indicates this well may be capable of producing again. However attempts to return this well to production with the current wellbore configuration have not been successful. Merit plans to install smaller tubing and gas lift on this well. If that is unsuccessful, this well is also a candidate for an electric submersible pump installation. If all attempts to reactivate the Nugget formation fail, this well is a recompletion candidate in the Twin Creek formation.
- **Champlin 372 C-1-** This well is capable of producing for a few days at a time, but quickly loads up with water and dies. Again, this well is a candidate for an electric submersible pump installation, or may be used as a salt water disposal well if additional capacity is needed due to the ESP program.
- **ARE W16-06-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W01-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-02-** An attempt was made to return this well to production last fall, but was unsuccessful due to high water production. Pending the success of the W36-10, this well will also have an electric submersible pump installed.
- **ARE W36-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W30-06-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W20-02-** A workover has been approved internally to reactivate this well, and should begin in the next few weeks. A sundry notice was filed and approved by the Utah Oil and Gas Commission.
- **ARE W30-13-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W19-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.

- **ARE W20-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W31-12-** An attempt was made to reactivate this well in late 2003, but was unsuccessful. A sundry notice was filed and approved by the Utah Oil and Gas Commission. An uphole recompletion in the Twin Creek formation is planned and will be completed in the next few months.
- **ARE W01-04-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W11-01-** This well will have an electric submersible pump installed if the program is successful. Otherwise it will be plugged.
- **ARE W20-03-** This well will have an electric submersible pump installed if the program is successful. It is also considered for an uphole recompletion.
- **ARE W16-14-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE W16-12-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **Champlin 387 B-1A-** Merit Energy is in the process of obtaining records from BP for this well. Once historical information is obtained, we will evaluate all feasible methods to return this well to producing status. Otherwise it will be plugged.
- **ARE W17-16-** This well will have an electric submersible pump installed if the program is successful. It is also considered for salt water disposal well if additional capacity is needed.
- **ARE E21-14-** This well was returned to producing status on 12/19/03.

In addition to this information, I have enclosed pressure data for all wells, and a wellbore schematic for all wells except the Champlin 387 B-1A. The static bottom hole pressures and static fluid levels were collected in September 2003 with bottom hole gauges. If you need any further information, please contact me at 972-628-1651 or electronically at [lance.taylor@meritenergy.com](mailto:lance.taylor@meritenergy.com).

Regards,

  
Lance L. Taylor  
Operations Engineer

Cc: Rusty Ginnett  
Arlene Valliquette  
Dennis Longwell

Attachments: (1) page of pressure data, (23) wellbore schematics

	<b>Well Name</b>	<b>API</b>	<b>Lease Type</b>	<b>Years Inactive</b>
1	ARE W20-06	43-043-30159	Fee	1 Year 2 Months
2	ARE W31-04E	43-043-30165	Fee	1 Year 3 Months
3	ARE W36-10	43-043-30227	Fee	1 Year 3 Months
4	ARE W36-08	43-043-30167	Fee	1 Year 7 Months

**Wells with returned Sundry Notices and attached requirement sheet dated November 19, 2003**

1	ARE W21-04	43-043-30135	Fee	1 Year 10 Months
2	Champlin 372 Amoco C1	43-043-30143	Fee	1 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	1 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	2 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	3 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	4 Years 5 Months
7	ARE W30-06	43-043-30273	Fee	5 Years 4 Months
8	ARE W20-02	43-043-30228	Fee	5 Years 4 Months
9	ARE W30-13	43-043-30279	Fee	5 Years 6 Months
10	ARE W19-16	43-043-30204	Fee	5 Years 8 Months
11	ARE W20-4	43-043-30238	Fee	6 Years 3 Months
12	ARE W31-12	43-043-30190	Fee	7 Years 3 Months
13	ARE W01-04	43-043-30270	Fee	7 Years 4 Months
14	ARE W11-01	43-043-30277	Fee	7 Years 4 Months
15	ARE W20-03	43-043-30291	Fee	8 Years 1 Month
16	ARE W16-14	43-043-30096	Fee	8 Years 1 Month
17	ARE 16-12	43-043-30231	Fee	8 Years 3 Months
18	Champlin 387 B1A	43-043-30168	Fee	8 Years 6 Months
19	ARE W17-16	43-043-30176	Fee	8 Years 7 Months
20	ARE E21-14	43-043-30130	Fee	10 Years 8 Months

## UTAH DOGM – SI WELL LIST

- **ARE W20-06** – worked over in 2004, selectively swab tested individual zones. Installed gas lift (GL) equipment. Currently intermittently producing when lift gas is available.
- **ARE W31-04** – no immediate plans, will evaluate for reactivation.
- **ARE W36-10** – installed ESP. The well is producing.
- **ARE W36-08** – the well was reactivated in the fall of 2003. A capillary string was installed in September 2004. The well is producing.
- **ARE W21-04** – worked over in 2004. Installed GL equipment. Currently intermittently producing when lift gas is available.
- ✓ **CHAMPLIN 372 C1** – swabbed in October 2004. Swab results were encouraging. There are no production facilities or flowlines in place. We are in the process of purchasing a gas testing unit. Once the unit is in our possession, we will flow test this well and evaluate the economics of installing surface facilities.
- ✓ **ARE W16-06** – swabbed in November 2004. Currently sizing ESP and reconditioning generator for test. Anticipate having ESP running by end of the year.
- **ARE W01-12** – no immediate plans, will evaluate for reactivation.
- **ARE W30-02** – plan to install ESP in 2005 for test.
- **ARE W36-14** – plan to install ESP in 2005 for test.
- **ARE W30-06** – plan to install ESP in 2005 for test.
- **ARE W20-02** – worked over in 2004. Installed GL equipment. Currently intermittently producing when lift gas is available.
- **ARE W30-13** – plan to install ESP in 2005 for test.
- **ARE W19-16** – no immediate plans, will evaluate for reactivation.
- **ARE W20-04** – no immediate plans, will evaluate for reactivation.
- ✓ **ARE W31-12** – plan to test the Nugget, if unsuccessful, will attempt a Twin Creek completion.
- **ARE W01-04** – no immediate plans, will evaluate for reactivation.
- **ARE W11-01** – no immediate plans, will evaluate for reactivation.
- **ARE W20-03** – no immediate plans, will evaluate for reactivation.
- **ARE W16-14** – no immediate plans, will evaluate for reactivation.
- **ARE W16-12** – no immediate plans, will evaluate for reactivation.
- **CHAMPLIN 387 B1A** – no immediate plans, will evaluate for reactivation.
- **ARE W17-16** – no immediate plans, will evaluate for reactivation.
- **ARE E21-14** – the well was reactivated in December 2003. The well is producing.



## State of Utah

### Department of Natural Resources

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas & Mining

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 8, 2005

Merit Energy Company  
Attn: Michael L. Mercer  
13727 Noel Road, Suite 500  
Dallas, Texas 75240

Re: Approval for Extension of Shut-in or Temporarily Abandoned Status for Wells on Fee or State Leases

Dear Mr. Mercer:

The Division of Oil, Gas and Mining (the "Division") is in receipt of your letters dated November 10, 2004 (received by the Division on November 12, 2004) and January 7, 2005 (received by the Division on January 10, 2005) in regards to the twenty-four (24) shut-in wells operated by Merit Energy Company ("Merit"). The Division understands that six of these wells were put back into production in 2004. Merit's original plan was to return all twenty-four wells to production in 2004. Because of power restrictions, etc., Merit was unable to achieve that target. It is now the Division's understanding that Merit plans to return seven more wells to production in 2005 by installing an ESP. The Division understands that Merit is also investigating other methods to assist in lifting the water (e.g. capillary strings). Depending on the success of the wells with ESP's installed, the wells currently on Gas Lift, and the success of the other methods, the remaining 11 wells will either be plugged or put into production.

Based on the submitted information and plan of action, the Division approves your request for extended SI/TA for the eighteen (18) remaining SI/TA wells (see attachment A) until January 1, 2006. The operator should continue to monitor the wells by documenting pressures and fluid levels on a periodic basis. Any significant change in pressure or fluid level should be reported to the Division immediately. Remedial action may be necessary.

In addition to the twenty-four wells mentioned above, Merit also has one new well for 2005 that requires approval for extended SI/TA. The well is the ARE W30-14 (API # 43-043-30185). Our records indicate that this well has been SI/TA since February of 2003. Merit must submit their future plans for this well and information that demonstrates the well has integrity and is not a risk to public health and safety or the environment (R649-3-36-1.1 to 1.3).

Page 2  
Merit Energy Company  
April 8, 2005

The required information should be submitted to the Division within 30 days of the date of this letter or further actions may be initiated. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dustin Doucet', written in a cursive style.

Dustin Doucet  
Petroleum Engineer

DKD:jc  
Attachment  
cc: Well File

# ATTACHMENT A

*4N8E30*

	Well Name	API	Lease Type	Years Inactive
1	ARE W31-04E	43-043-30165	Fee	2 Year 3 Months
2	Champlin 372 Amoco C 1	43-043-30143	Fee	2 Year 11 Months
3	ARE W16-06	43-043-30138	Fee	2 Year 11 Months
4	ARE W01-12	43-043-30271	Fee	3 Years 4 Months
5	ARE W30-02	43-043-30218	Fee	4 Years 2 Months
6	ARE W36-14	43-043-30255	Fee	5Years 5 Months
7	ARE W30-06	43-043-30273	Fee	6 Years 4 Months
8	ARE W30-13	43-043-30279	Fee	6 Years 6 Months
9	ARE W19-16	43-043-30204	Fee	6 Years 8 Months
10	ARE W20-04	43-043-30238	Fee	7 Years 3 Months
11	ARE W31-12	43-043-30190	Fee	8 Years 3 Months
12	ARE W01-04	43-043-30270	Fee	8 Years 4 Months
13	ARE W11-01	43-043-30277	Fee	8 Years 4 Months
14	ARE W20-03	43-043-30291	Fee	9 Years 1 Month
15	ARE W16-14	43-043-30096	Fee	9 Years 1 Month
16	ARE W16-12	43-043-30231	Fee	9 Years 3 Months
17	Champlin 387 B1A	43-043-30168	Fee	9 Years 6 Months
18	ARE W17-16	43-043-30176	Fee	9 Years 7 Months



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

March 4, 2009

CERTIFIED MAIL NO.: 7004 1160 0003 0190 2563

Mr. Nicholas Tunnell  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases  
ARE W31-06 API #43-043-30217; ARE W30-02 API #43-043-30218; ARE W30-06 API #43-043-30273

4N 8E 30

Dear Mr. Tunnell:

As of January 2009, Merit Energy Company has three (3) Fee Lease Wells (see attachment A) that have recently been added as being in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Utah Division of Oil, Gas & Mining (Division) grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT.



Page 2  
Merit Energy Company  
March 4, 2009

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js  
Enclosure  
cc: Compliance File  
Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	<b>Well Name</b>	<b>API</b>	<b>LEASE</b>	<b>Years Inactive</b>
1	ARE W31-06	43-043-30217	FEE	1 year 11 months
2	ARE W30-02	43-043-30218	FEE	1 year 4 months
3	ARE W30-06	43-043-30273	FEE	1 year 2 months



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

43 043 30218  
ARE W30-02  
4N 8E 30

July 6, 2010

CERTIFIED MAIL NO. 7004 1160 0003 0190 4574

Ms. Michal K. White  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

Subject: Second Notice of Extended Shut-in and Temporarily Abandoned Well Requirements for Fee or State Leases

Dear Ms. White:

As of June 30, 2010, Merit Energy Company (Merit) has eight (8) Fee Lease Wells that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status (see attachment A). These are in addition to the 7 wells given first notice and 10 wells issued a Notice of Violation this month as well. All wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

On August 26, 2008, the Division notified Merit by certified mail that wells 1 through 6 were in non-compliance or were about to be in non-compliance. Merit responded by letter dated October 17, 2008, and provided additional information at that time. Information was not provided for wells 5 and 6 on the attached list. The Division denied the request on January 21, 2009. Insufficient information was provided to approve the request for extended SI/TA. On February 2, 2009, the Division notified Merit by certified mail that wells 7 through 8 on the attached list were in non-compliance. Merit responded with a plan of action for all wells subject to this notice with the exception of wells 5 and 6 on the attached list by letter dated August 26, 2009. This plan of action also included plans for many of Merit's other non-compliance wells for which separate notices had been sent to Merit. It has been almost 1 year since the proposal was received and to date none of the proposed actions in that letter have been accomplished.

Please submit your plans to produce or plug these wells to DOGM within 30 days of this notice or a Notice of Violation (NOV) will be issued.



Page 2  
Ms. White  
July 6, 2010

For extended SI/TA consideration of each well on the SI/TA list, the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence/or absence of Underground Sources of Drinking Water, and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the well bore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/js  
Attachment  
cc: Well File  
Operator Compliance File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

### ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive
1	ARE W31-08	4304330164	FEE	1.5
2	ARE W31-06	4304330217	FEE	3.4
3	ARE W20-12	4304330220	FEE	1.10
4	ARE E28-06	4304330226	FEE	1.5
5	ARE W36-08	4304330167	FEE	2.7
6	ARE 29-04ST1	4304330129	FEE	2.7
7	ARE W30-02	4304330218	FEE	2.9
8	ARE W30-06	4304330273	FEE	2.7

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> ANSCHUTZ RANCH EAST	
<b>2. NAME OF OPERATOR:</b> MERIT ENERGY COMPANY		<b>8. WELL NAME and NUMBER:</b> ARE W30-02	
<b>3. ADDRESS OF OPERATOR:</b> 13727 Noel Rd Ste 500 , Dallas, TX, 75240		<b>9. API NUMBER:</b> 43043302180000	
<b>PHONE NUMBER:</b> 972 628-1540 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ANSCHUTZ RANCH EAST	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0715 FNL 2182 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 30 Township: 04.0N Range: 08.0E Meridian: S		<b>COUNTY:</b> SUMMIT	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/11/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Set CIBP"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>Merit Energy Company proposes to set a CIBP and requests and extended Shut In status on the aforementioned well with the following procedure: 1. MIRU WL. TIH w/GR &amp; junk basket to 13,100'. 2. TIH w/CIBP and set at 13,090'. 3. Dump bail 10' cement on top of CIBP in efforts to permanently abandon the Nugget. RDWL. 4. Load hole and pressure test the well to 1000# for 30 mins to verify mechanical integrity of the casing.</p>			
			<p><b>Approved by the Utah Division of Oil, Gas and Mining</b></p> <p><b>Date:</b> <u>07/18/2011</u></p> <p><b>By:</b> <u><i>Derek Duff</i></u></p>
<b>NAME (PLEASE PRINT)</b> Kim Mercer	<b>PHONE NUMBER</b> 972 628-1023	<b>TITLE</b> Regulatory Analyst	
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/27/2011	

**Please Review Attached Conditions of Approval**

**RECEIVED** Jun. 27, 2011



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43043302180000**

**Approval for the plug back and testing only. Request for approval of extended SI/TA should be submitted after pressure test is completed. Please include reasons for SI/TA and expected length of time to be SI/TA in that request. Please note that 100' minimum of cement will need to be placed on top of bridge plug to permanently plug back the Nuggett formation.**



~~INJECTION WELL~~ - PRESSURE TEST

Well Name: ARE W30-02 API Number: 43-043-30218  
 Qtr/Qtr: NWNE Section: 30 Township: 4N Range: 8E  
 Company Name: Merit Energy Company  
 Lease: State \_\_\_\_\_ Fee  Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Lisha Cordova Date: 10/6/11  
 mt. states water - Chuck R

Initial Conditions:

Tubing - Rate: N/A Pressure: \_\_\_\_\_ psi  
 Casing/Tubing Annulus - Pressure: 100# psi

Conditions During Test:

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

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: N/A psi  
 Casing/Tubing Annulus Pressure: 100# psi

COMMENTS: 7" csq. test, prior to test CIBP set @ 13,020'  
(between collars), dump bailed 10' cont on top & loaded  
hole.

[Signature]  
 Operator Representative

WEDNESDAY

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3

*M. W. STAFF*  
*Chick K.*

*Spencer*

THURSDAY

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FRIDAY

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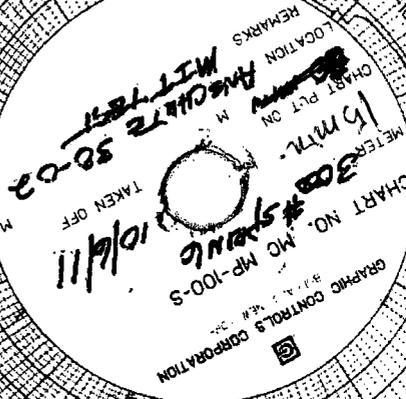
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GRAPHIC CONTROL CORPORATION  
CHART NO. MC MP-100-S  
TAKEN OFF 10/14/11  
METER 3000 # SPARK  
15 min.  
CHART PUT ON M  
REMARKS  
LOCATION  
MILITARY



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	8. WELL NAME and NUMBER: ARE W30-02
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0715 FNL 2182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 30 Township: 04.0N Range: 08.0E Meridian: S	9. API NUMBER: 43043302180000
9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST	COUNTY: SUMMIT
9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input checked="" type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/30/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

Merit Energy Company set a CIBP and completed an MIT on the above aformentioned well. Run CCL & tie back to Halliburton CCL/GR log. Set Baker 7"x 10k CIBP @ 13,070' WD & dump bail 10' of cmt on top of it. Load the hole & press test to 1000# for 15 min (good test) 10/06/2011 Load the hole & press test to 1000# for 15 min (good test) bled of press. Test witnessed by Lisha Cordova w/ state of Utah. Merit Energy Company [MEC] would like to have this well place in Temporarily Abandoned status for one year. MEC will need to complete a reservoir study on the well to determine if the remaining hydrocarbons can be recovered by offset wells or complete a workover on the well to return it to production.

**REQUEST DENIED**  
 Utah Division of  
 Oil, Gas and Mining

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

NAME (PLEASE PRINT) Kim Mercer	PHONE NUMBER 972 628-1023	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/17/2011	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43043302180000**

**Merit should have been evaluating this well and the reservoir over the wells 4 plus years of inactivity. A more detailed plan for this wells future must be submitted for consideration of extension. A detailed plan for all SI/TA wells in the field with timelines to accomplish specific work should be submitted to the Division and discussed with the division before the Divsion will consider approving any future SI/TA wells in the field for extended SI/TA. A meeting between Merit Energy Company and the Division is highly recommended so we can review and discuss these matters in person. The Division would expect continual progress meeting the timelines that are discussed and agreed upon.**

~~INJECTION~~ WELL - PRESSURE TEST

Well Name: ARE W30-02 API Number: 43-043-30218  
 Qtr/Qtr: NWNE Section: 30 Township: 4N Range: 8E  
 Company Name: Merit Energy Company  
 Lease: State \_\_\_\_\_ Fee  Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Lisha Cordova Date: 10/6/11  
 mt. states water - Charles R

Initial Conditions:

Tubing - Rate: N/A Pressure: \_\_\_\_\_ psi  
 Casing/Tubing Annulus - Pressure: 100# psi

Conditions During Test:

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

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: N/A psi  
 Casing/Tubing Annulus Pressure: 100# psi

COMMENTS: 7" csq. test, prior to test CIBP set @ 13,020'  
(between collars), dump bailed 10' cont on top & loaded  
hole.

[Signature]  
 Operator Representative

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
2. NAME OF OPERATOR: MERIT ENERGY COMPANY		8. WELL NAME and NUMBER: ARE W30-02
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240		9. API NUMBER: 43043302180000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0715 FNL 2182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 30 Township: 04.0N Range: 08.0E Meridian: S		9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
		COUNTY: SUMMIT
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input checked="" type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/30/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

Merit Energy Company set a CIBP and completed an MIT on the above aforementioned well. Run CCL & tie back to Halliburton CCL/GR log. Set Baker 7"x 10k CIBP @ 13,070' WD & dump bail 10' of cmt on top of it. Load the hole & press test to 1000# for 15 min (good test) 10/06/2011 Load the hole & press test to 1000# for 15 min (good test) bled of press. Test witnessed by Lisha Cordova w/ state of Utah. Merit Energy Company [MEC] would like to have this well place in Temporarily Abandoned status for one year. MEC will need to complete a reservoir study on the well to determine if the remaining hydrocarbons can be recovered by offset wells or complete a workover on the well to return it to production.

**REQUEST DENIED**  
**Utah Division of**  
**Oil, Gas and Mining**

Date: January 23, 2012

By: *D. K. Quist*

NAME (PLEASE PRINT) Kim Mercer	PHONE NUMBER 972 628-1023	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/17/2011	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43043302180000**

**Merit should have been evaluating this well and the reservoir over the wells 4 plus years of inactivity. A more detailed plan for this wells future must be submitted for consideration of extension. A detailed plan for all SI/TA wells in the field with timelines to accomplish specific work should be submitted to the Division and discussed with the division before the Divsion will consider approving any future SI/TA wells in the field for extended SI/TA. A meeting between Merit Energy Company and the Division is highly recommended so we can review and discuss these matters in person. The Division would expect continual progress meeting the timelines that are discussed and agreed upon.**

~~INJECTION~~ WELL - PRESSURE TEST

Well Name: ARE W30-02 API Number: 43-043-30218  
 Qtr/Qtr: NWNE Section: 30 Township: 4N Range: 8E  
 Company Name: Merit Energy Company  
 Lease: State \_\_\_\_\_ Fee  Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Lisha Cordova Date: 10/6/11  
 mt. states water - Charles R

Initial Conditions:

Tubing - Rate: N/A Pressure: \_\_\_\_\_ psi  
 Casing/Tubing Annulus - Pressure: 100# psi

Conditions During Test:

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

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: N/A psi  
 Casing/Tubing Annulus Pressure: 100# psi

COMMENTS: 7" csq. test, prior to test CIBP set @ 13,020'  
(between collars), dump bailed 10' cmt on top & loaded  
hole.

[Signature]  
 Operator Representative

**INJECTION WELL - PRESSURE TEST**

Well Name: ARE W30-02 API Number: 43-043-30218  
 Qtr/Qtr: NWNE Section: 30 Township: 4N Range: 8E  
 Company Name: Merit Energy Company (N4900)  
 Lease: State \_\_\_\_\_ Fee  Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Lisha Cordova Date: 7/29/14  
 X Mountain States Water - Chuck

Initial Conditions: SGW-CIBP @ 13,070' plus 10' cmt on top.

Tubing - Rate: N/A Pressure: N/A psi

Casing/~~Tubing~~ Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u> 11:04	<u>No tbg</u>
5	↓	↓
10	↓	↓
15	↓ 11:19	↓
20	↓	↓
25	↓	↓
30	↓	↓

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: N/A psi

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

COMMENTS: 7" csg test. 94 gals / 2.23 bbls to pressure up.  
Held ok with no bleedoff.

Melan Alford  
Operator Representative

**INJECTION WELL - PRESSURE TEST**

Well Name: ARE W30-02 API Number: 43-043-30218  
 Qtr/Qtr: NWNE Section: 30 Township: 4N Range: 8E  
 Company Name: Merit Energy Company (N4900)  
 Lease: State \_\_\_\_\_ Fee  Federal \_\_\_\_\_ Indian \_\_\_\_\_  
 Inspector: Lisha Cordova Date: 7/29/14  
 X Mountain States Water - Chuck

Initial Conditions: SGW-CIBP @ 13,070' plus 10' cmt on top.

Tubing - Rate: N/A Pressure: N/A psi

Casing/~~Tubing~~ Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1000</u> 11:04	<u>No tbg</u>
5	↓	↓
10	↓	↓
15	↓ 11:19	↓
20	↓	↓
25	↓	↓
30	↓	↓

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: N/A psi

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

COMMENTS: 7" csg test. 94 gals / 2.23 bbls to pressure up.  
Held ok with no bleedoff.

Melan Alford  
Operator Representative

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	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:
<b>1. TYPE OF WELL</b> Gas Well	<b>7. UNIT or CA AGREEMENT NAME:</b> ANSCHUTZ RANCH EAST
<b>2. NAME OF OPERATOR:</b> MERIT ENERGY COMPANY	<b>8. WELL NAME and NUMBER:</b> ARE W30-02
<b>3. ADDRESS OF OPERATOR:</b> 13727 Noel Rd Ste 500 , Dallas, TX, 75240	<b>9. API NUMBER:</b> 43043302180000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0715 FNL 2182 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 30 Township: 04.0N Range: 08.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> ANSCHUTZ RANCH EAST
	<b>COUNTY:</b> SUMMIT
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/1/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b>	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Merit Energy Company plans to Plug and Abandon the ARE 30-02 in mid 2015 depending on weather restrictions. Please find the Procedure and Wellbore Diagram attached.

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

**Date:** October 02, 2014

**By:** *Derek Duff*

**Please Review Attached Conditions of Approval**

<b>NAME (PLEASE PRINT)</b> Ross King	<b>PHONE NUMBER</b> 972 628-1041	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/8/2014	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43043302180000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Amend Plug #1: and spot 100' (18 sx minimum) on top of CIBP @ 13070' to adequately isolate open perms as required by R649-3-24-3.3.2.**
- 3. Amend Plug #2: This plug shall be moved downhole approximately 130' and balanced from 10700' to 10500'. will isolate the Salt and Twin Creek formation.**
- 4. Amend Plug #3: This plug shall be and inside/outside plug and moved uphole approximately 820'. RIH and perforate 7" and 9 5/8" @ 7050'. Establish injection into perms. RIH with CICR and set at 7000'. Sting into CICR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perms. If injection into the 9 5/8" perms cannot be established: M&P 52 sx cement, sting into CICR pump 29sx, sting out and dump 23 sx on top of CICR. If injection is established: M&P 128 sx cement, sting into CICR, open 13 3/8" casing valve, pump 85 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 20 sx into perms, sting out and dump 23 sx on top of CICR. This will isolate the Gannett Formation.**
- 5. Add Plug #5: This plug shall be and inside/outside plug. RIH and perforate 7" and 9 5/8" @ 2150'. Establish injection into perms. RIH with CICR and set at 2100'. Sting into CICR and establish circulation down the 7" casing back up the 7" x 9 5/8" annulus. Close 9 5/8" casing valve and attempt to establish injection into 9 5/8" perms. M&P 57 sx cement, sting into CICR, open 13 3/8" casing valve, pump 37 sx, close 13 3/8" casing valve and open the 9 5/8" casing valve and pump 11 sx into perms, sting out and dump 9 sx on top of CICR. This will isolate the base of fresh water as required by R649-3-24-3.3.**
- 6. Note Plug #5: All annuli shall be cemented from a minimum depth of 100' to the surface. Perf 7" and 9 5/8" @ 100' and circulate cement to surface ( $\pm$ 57sx) if 1" not feasible .**
- 7. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 8. Surface reclamation shall be done in accordance with R649-3-34 - Well Site Restoration.**
- 9. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 10. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (of c) or 801-733-0983 (home) prior to continuing with the procedure.**
- 11. All other requirements for notice and reporting in the Oil and Gas Conservation general rules shall apply.**

9/4/2014

# Wellbore Diagram

r263

API Well No: 43-043-30218-00-00 Permit No: UIC-025 Well Name/No: ARE W30-02

Company Name: MERIT ENERGY COMPANY

Location: Sec: 30 T: 4N R: 8E Spot: NWNE

Coordinates: X: 493055 Y: 4545268

Field Name: ANSCHUTZ RANCH EAST

County Name: SUMMIT Plug # 6

## String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Y/cu
HOL1	5198	17.5			
SURF	5198	13.325 x 9 5/8"	72	5199 (0.3262)	3.066
HOL2	11698	12.25 x 9 5/8" w/10" ID		(0.4887)	2.0461
II	11698	9.625	47		
II	11698	9.625 x 7"	62.8 (0.1301)		7.689
HOL3	14340	8.5 x 7" w/10" ID		(0.2121)	4.7144
PROD	14340	7	32	(0.2025)	4.937
PLG1	13590	3.5			
CIBP	13070	3.5			
CIBP	13590				

CRETA 0'  
FRESH BASE 2115'

ASPEN 5142'

BARV 5598'

GANNT 6947'

CAIC TOC 8380'

PREUS 9921'

TOC 10530'

SALT 10650'

TWNCR 11272'

BOC 11470'

TOC 12452'

NGSD 13113'  
ANKH 14140'

INSIDE: 100' / (1.15 x 0.2025) = 18 SX  
 @ OUT: 7" x 9 5/8" 100' / (1.15 x 0.1301) = 11 SX  
 9 5/8" x 13 3/8" 100' / (1.15 x 0.3262) = 28 SX  
 \* Add Plug # 5  
 INSIDE: 100' = 18 SX  
 7" x 9 5/8" 100' = 11 SX  
 9 5/8" x 13 3/8" 100' = 28 SX  
 \* Add Plug # 4  
 INSIDE: Above 160' / (1.15 x 0.2025) = 28 SX  
 Below 50' / (1.15 x 0.2025) = 9 SX  
 @ OUT: 7" x 9 5/8" 100' / (1.15 x 0.1301) = 11 SX  
 9 5/8" x 13 3/8" 50' / (1.15 x 0.3262) = 14 SX  
 9 5/8" x 12 1/4" 50' / (1.15 x 0.4887) = 21 SX

Cement from 5198 ft. to surface  
 5039'  
 Surface: 13.325 in. @ 5198 ft.  
 5149'  
 Hole: 17.5 in. @ 5198 ft.  
 CIRC @ 5199'  
 5249'

6870'  
 CIRC @ 7000'  
 7050'

⊗ Amend Plug # 3  
 \* move to 7050' to isolate GANNT; perf @ 992  
 INSIDE: Above 130' / (1.15 x 0.2025) = 23 SX  
 Below 50' / (1.15 x 0.2025) = 9 SX  
 @ OUTSIDE: 7" x 9 5/8" 180' / (1.15 x 0.1301) = 20 SX  
 9 5/8" x 12 1/4" 180' / (1.15 x 0.4887) = 76 SX

Cement from 11470 ft. to 10530 ft.  
 Intermediate: 9.625 in. @ 11698 ft.  
 Hole: 12.25 in. @ 11698 ft.

Cement from 14340 ft. to 12452 ft.  
 Production: 7 in. @ 14340 ft.  
 CIRC @ 13070' w/10"  
 Hole: 8.5 in. @ 14340 ft.  
 13120' - 13774'  
 Hole: Unknown CIRC @ 13590' w/10"  
 13796' - 14118'

## Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
CIBP	13070	13060		
II	11698	8380' calc G		(1410 x 1.15 x 2.0461) = 3318'
PLG1	13590	13580		
PROD	✓ 14340	12452	G	120
PROD	✓ 11470	10530	G	120
SURF	5198	0	G	4050

## Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
13126	13774			
13796	14118			

## Formation Information

Formation	Depth
CRETA	0
ASPEN	5142
BRRVR	5598
GANNT	6947
PREUS	9921
SALT	10650
TWNCR	11272
NGSD	13113
ANKH	14140

⊗ Amend Plug # 1  
 \* Spot 100' on top of CIBP  
 100' / (1.15 x 0.2025) = 18 SX  
 TOC @ 12970'

128 SX  
 TOC @ 6870'

⊗ Amend Plug # 2  
 \* move to 10700' to isolate TWNCR  
 200' / (1.15 x 0.2025) = 35 SX  
 TOC @ 10500'

TD: 14345 TVD: PBD: 14244

## **ARE W 30-02**

API #: 43-043-30218

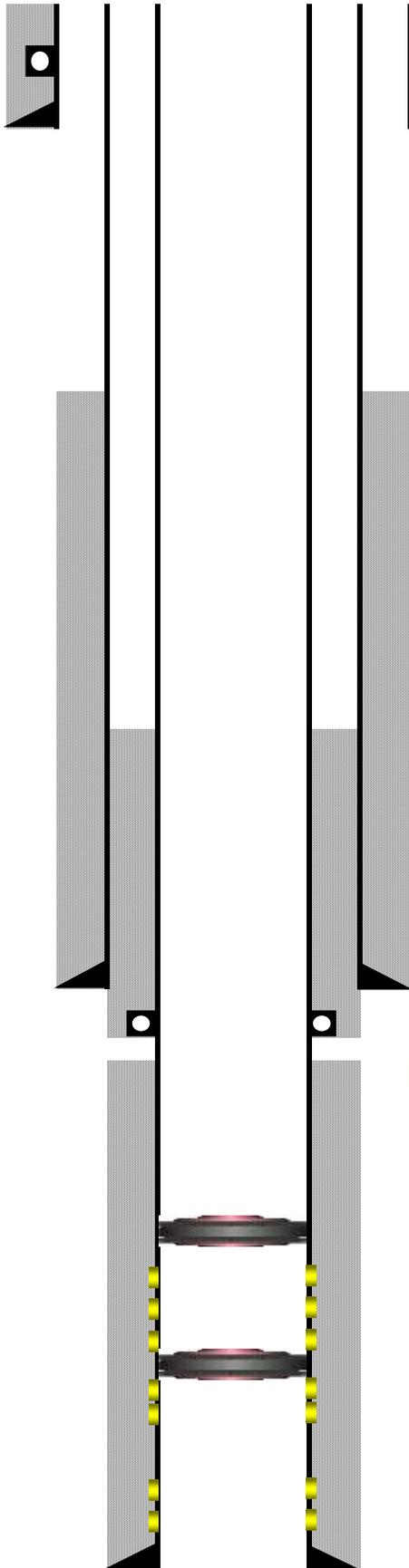
**Current Status:** Shut-in

**Future Plan:** Plug and Abandon (PA) – Procedure Attached

**Reason:** Close neighbor to 30-08. 30-08 is a moderate producer, may spend time improving 30-08. If 30-08 improves it will drain this area, if not then work on 30-02 is not economical.

### **OPERATIONAL PROCEDURE 30-2**

1. Test anchors. MIRUSU.
2. ND WH and NU BOP.
3. PU work string, TIH to existing CIBP @ 13,070' previously capped w/10' cement. Circulate gas/oil out of hole. SI backside and pressure test casing to 500 psi. If casing does not test P/U packer & locate casing leaks.
4. If casing tests, spot 9 ppg gel to 11,413' (WBD indicates good cement between 7" & 9 5/8")
5. Pull tubing to 10,570' spot 200' balanced cement plug.
6. POOC pump 9 ppg gel to 8,713'
7. Pull tubing to 7,870' spot 180' balanced cement plug.
8. POOC pump 9 ppg gel to 5,249' TOOH.
9. RU wireline and shoot 4 holes in the prod casing 50' below the surface shoe at 5,249'.
10. PU CICR, RIH and set 50' above perms @ 5,199'.
11. Dig out and expose 13, 3/8" surface valve and open.
12. Establish circulation up annulus through retainer.
13. After gaining circulation, pump cement sufficient for 100' annular volume (50' in and out plug) plus casing volume from retainer to perms.
14. Sting out of retainer and spot 160' cement on top of CICR.
15. POOC pump 9 ppg gel to 100'
16. TOOH, ND BOP and RDSU.
17. Dig out and cut wellhead 3' below ground level.
18. Run in with 1" poly pipe to 100' and circulate cement to surface in production casing.
19. Fill 13 3/8" w/100' cement using poly pipe.
20. Weld on dry hole plate w/ legal ID. Backfill cellar.



WELL NAME: <b>ARE W30-02</b>	FIELD: <b>ANSCHUTZ RANCH EAST</b>
QTR QTR:                    SEC: <b>30</b> TWN: <b>4N</b> RNG: <b>8E</b>	
COUNTY: <b>SUMMIT</b>	ST: <b>UT</b> SPUD DATE:
KB: <b>7676</b> GL: <b>7654</b> TD: <b>14345</b> PBTD:	
API: 43-043-30218	
LAST UPDATED: <b>06/03/14</b>	BY: <b>Max Berglund</b>

**CASING DETAILS**

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13-3/8"	68-72#	S-95	5199
INTERMEDIATE	9-5/8"	47-62.8#	N-80, S-105	11698
PRODUCTION	7"	32#	HC-95, N-80	14345

Has an additional 20" surface casing string set @ 95', not shown on WBS

**TUBING DETAILS**

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
No Tubing in well (pulled in June 2008)				

**TOC @ 12452'**

**CIBP at 13,070' w/ 10' cmt on top**

**NUGGET Z1 & Z2 PERFS**

13126-196, 13208-256  
 13276-310, 13326-359  
 13377-458, 13468-507  
 13534-586

**CIBP @ 13590 w/ 10' cmt on top**

13620-676  
 13701-738, 13750-774

**NUGGET Z3 PERFS**

13796-820, 13828-894  
 13904-942, 13962-998  
 14004-046, 14092-118

● DV TOOL. 13-3/8" @ 2012'; 7" @ 12423'

Well History ARE 30-02	
DATE	
6/17/1983	TIH with 3-1/2" tubing, packer and guns. RIH with CCL & GR correlating tool. Set packer at 13,047'
6/18/1983	Drop bar and perforate well.
6/23/1983	Kill well. Release packer. TOH.
6/24/1983	RIH with 5.843" OD guage ring & junk basket to 13,050'. Had trouble getting through DV tool. PU Otis WB packer assembly. Set packer at 12,990'. TIH with 3-1/2" tubing hydrotesting.
6/26/1983	Finish TIH. Reverse circulate 400 bbl 2% KCl water. Land tubing. Pressure test seal assembly.
6/27/1983	Retrieve XN plug. Swab on well and kick well off.
3/7/1990	Kill well. TOH with seal assembly and tubing. TIH milling tools. Tag packer and mill out. TOH with to packer. PU bit and scrapper. TIH and wash and ream to 14,228'. TOH. PU TCP system and packer.
3/12/1990	TIH and set packer at 13,778'. Drop bar. Perforated well.
3/15/1990	Kill well. TOH. LD guns and packer. RIH and set packer at 12,835'. POH. TIH with seal assembly to Land tubing. Put well on injection
3/18/1990	
8/22/2003	Pressure test casing to 1500 psi. Kill well. Sting out of packer. TOH with tubing. TIH with packer to retrieval tools. Fish packer. TOH. RIH with guage ring. RIH with pulsed neutron log. RIH with CIBP and set at 13,590'. Dump bail 10' of cement on top of plug.
8/26/2003	
8/27/2003	PU M-reliant packer. TIH and set at 13,055'. Pressure test casing to 1500 psi. RU BJ CTU. RIH to with coil. SI tubing and pumped 3000 gal 50Q N2 foamed 15% HCl. Wash across perms. Jet hole clean.
9/22/2003	RU swab. Swab test well.
10/5/2003	Release packer. TOH. Lay down packer. TIH with tubing. Swab on well. to
10/15/2003	
2/1/2005	MIRU. TOH with tubing. TIH with bit and bailer. DO CIBP and chase to 14,205'. TOH. PU packer. TIH to and set packer at 13,080'. Load casing with 240 bbls packer fluid and pressure test casing to 1000# for 15 minutes. Tested good. Swabbed on well.
3/3/2005	
8/15/2005	RU. Release packer. TOH. TIH with ESP on 2-7/8" tubing. Set pump at 13,071'. to
8/20/2005	
7/19/2006	RU. TOH with ESP. TIH with bit and scrapper to 14,205'. TOH. TIH with packer. Set packer at 13,078'. to RU Sanjel. Pump 10,000 gallons 25% HCl, 3000# rock salt. Release packer. TOH. TIH with ESP.
7/29/2006	
6/24/2008	TOH with ESP. to
6/26/2008	
10/6/2011	Set CIBP at 13,070' and dump 10' cement on top. Complete and Pass MIT

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> ANSCHUTZ RANCH EAST	
<b>2. NAME OF OPERATOR:</b> MERIT ENERGY COMPANY		<b>8. WELL NAME and NUMBER:</b> ARE W30-02	
<b>3. ADDRESS OF OPERATOR:</b> 13727 Noel Rd Ste 500 , Dallas, TX, 75240		<b>9. API NUMBER:</b> 43043302180000	
<b>PHONE NUMBER:</b> 972 628-1540 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ANSCHUTZ RANCH EAST	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0715 FNL 2182 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 30 Township: 04.0N Range: 08.0E Meridian: S		<b>COUNTY:</b> SUMMIT	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/19/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p style="text-align: center;">Merit Energy Plugged and Abandon the aforementioned well on 12/19/2014 witnessed by Lisha Cordova Field Inspector with Utah Division of Oil, Gas, and Mining. Please see the attached Daily Summary for details of work done.</p> <div style="text-align: right;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 11, 2015</b></p> </div>			
<b>NAME (PLEASE PRINT)</b> Katherine McClurkan		<b>PHONE NUMBER</b> 972 628-1660	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 1/30/2015	



## Job Daily Summary- State Report

Support Line: 972-628-1700 #1

**Report Date:**  
**Report #**
**Well Name: ARE W 30 02**

Accounting ID 7636-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330218	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0586800000	SAP Longitude -111.0819100000	Total Depth	KB Adjustment (ft)
Field Name ANSCHUTZ RANCH EAST	County SUMMIT	State/Province UTAH	Field Office ANSCHUTZ	Accounting Group Anschutz Ranch Unit	Producing Status Shut In

Job Category Plug & Abandon	Primary Job Type Permanently Abandon Well	Job Start Date 8/26/2014	Job End Date
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**Daily Operations**

Report Start Date 11/12/2014	Primary Activity pove pipe
Operations Summary Pipe move	
Report Start Date 12/11/2014	Primary Activity MIRU
Operations Summary MIRU, spot support equipment, R/U rig N/D well head N/U BOPs, TIH 90 jts 2 3/8" tbg, secure well SDON.	
Report Start Date 12/12/2014	Primary Activity TIH 2 3/8" tbg
Operations Summary TIH 419 jts 2 3/8" tbg tag CIBP 13060' secure well SDON.	
Report Start Date 12/13/2014	Primary Activity Load / roll hole
Operations Summary Load hole 20bbblsFW, Pump 450bbbls FW w/ 8gal C-6005 / per 100bbbls FW (Inhibitor corrosion C-6005 multi chem) down tbg roll hole, pressure test 500psi 15min ( State Utah witnessed Dave Hackford) secure well SDON.	
Report Start Date 12/14/2014	Primary Activity Work up plug #1 / plug #2
Operations Summary Roll out total 450bbl FW w/ 8gal C-6005 / per 100bbbls FW (Inhibitor corrosion C-6005 multi chem.) bottoms up, EOT 13040' S/D due to equipment problems secure well wait on parts, SDON	
Report Start Date 12/15/2014	Primary Activity Work up plug #1 plug #2
Operations Summary Pump 1 bbl FW, M&P 18 sxs class G cmt 15.8# yield 1.15 slurry 3.2bbbls, displ 48 bbbls FW w/ 8gal C-6005 / per 100bbbls FW (Inhibitor corrosion C-6005 multi chem) TOC 12970', L/D 75 jts 2 3/8" tbg EOT 10700' M&P 40 sxs class G cmt 15.8# yield 1.15 slurry 7.1bbbls displ 39 bbbls FW w/ 8gal C-6005 / per 100bbbls FW (Inhibitor corrosion C-6005 multi chem) TOC @ 10479' (will retag balance plug w/ E line), L/D 117 jts 2 3/8" tbg, stand back 110 stands 2 3/8" tbg secure well SDON. (Note: State Utah witnessed Dave Hartford 1-435-722-7589)	
Report Start Date 12/16/2014	Primary Activity Work up plug # 3
Operations Summary R/U E line RIH 5.78 GR , ccl run collar strip correlate tag plug #2 TOC 10451' POH, RIH 4spf Perf gun, ccl, collar strip correlate, Perf @ 7050' POH, RIH CICR 5.69 OD, ccl run collar strip correlate, set @ 7000' between collars, dig out around well head. secure well SDON	
Report Start Date 12/17/2014	Primary Activity Work up plug # 3 / Plug #4
Operations Summary R/U Hydro Vac unit clean out cellar expose 13 3/8" csg valve, EOT 7000' Sting in to CICR, open 13 3/8"unable to establish inj rate thru 9 5/8" perfs into 13 3/8" close 13 3/8", open 9 5/8" break circ to surface, M&P total 52 sxs class G cmt 15.8# yield 1.15 slurry 9.2 bbbls, pump 1bbl FW pump 29 sxs below CICR displ 21bbbls FW w/ 8gal C-6005 / per 100bbbls FW (Inhibitor corrosion C-6005 multi chem), sting out CICR pump 23 sxs cmt on top CICR displ 3.5bbbls TOC @ 6870', L/D 57 jts 2 3/8" tbg stand back 83 stands, R/U E line RIH 4spf perf gun w/ccl run collar strip correlate perforate @ 5254' (Note: move up holes due to collar per State Utah recommendations Lisha Cordova) POH, RIH CICR w/ccl run collar strip correlate set @ 5199' POH, R/D E line TIH 60 stands 2 3/8" EOT @ 3741' secure well SDON.	
Report Start Date 12/18/2014	Primary Activity Work up plug #4 / Plug #5
Operations Summary TIH 23 stands 2 3/8" tbg, sting into CICR @ 5254' EOT @ 5254', unable to get inj into 9 5/8" perfs up 13 3/8" ( Note: per recommendations State Utah Lisha Cordova and engineer Dustin Douset 1-801-386-3902, try & pump 42 sxs cmt into 9 5/8") Pump 1bbl FW, M&P 84 sxs class G cmt yield 1.15 slurry 14.9bbbls, open 9 5/8" pump 8.1 bbbls cmt, displ 12bbl FW w/ 8gal C-6005 / per 100bbbls FW (Inhibitor corrosion C-6005 multi chem), sting out, pump 4.9 bbbls cmt displ 4.5 bbbls FW, TOC 5039' L/D 100 jts 2 3/8" tbg, stand back 34 stands, R/U E line RIH 4spf perf gun w/ccl run collar strip correlate perf @ 2153' ( Note collar at 2148' shoot perf holes 3' lower, Per State Utah recommendations) POH, RIH 5.69 OD CICR w/ ccl run collar strip correlate set @ 2100' between collars POH, RIH 4spf perf gun w/ ccl perforate @ 100' surface POH, TIH 34 stands 2 3/8" tbg sting into CICR establish inj rate into 9 5/8"perfs 2bpm 250psi, pump 1bbl FW M&P 71 sxs class G cmt yield 1.15 slurry 12.6bbbls pump 1bbl FW, open 13 3/8" pump 30sxs cmt close 13 3/8", open 9 5/8" pump 13 sxs close 9 5/8", pump 10 sxs cmt below CICR, sting out pump 18 sxs on top CICR displ 8bbbls FW w/ 8gal C-6005 / per 100bbbls FW (Inhibitor corrosion C-6005 multi chem), TOC @ 1999' TOH L/D 68 jts 2 3/8" tbg secure well SDON.	
Report Start Date 12/19/2014	Primary Activity Work up plug #6
Operations Summary R/D rig & equipment, M&P 66 sxs class G cmt 15.8# yield 1.15 slurry 11.7 bbbls, TOC SRF, dig out well head, cut off well head top off 8 sxs class G 15.8 cmt yield 1.15 slurry 1.4 bbbls w/ 1" poly, weld on plate data.	

Company Name: Merit Energy Company  
 AFE or Project #: API#: 43043302180000  
 Well Name: ARE W30-02  
 RIG #: 24  
 Tool Pusher: Daniel Norton  
 Operator: Micheal Nielson  
 Rig Hand: Alan Nielson  
 Rig Hand: Robert Garcia  
 Rig Hand: Jeffrey Norton  
 Rig Hand: \_\_\_\_\_  
 Rig Hand: 43-043-30218

Company Man: Mel Wren  
 Projected Days: \_\_\_\_\_

Date: 12/11/2014  
 Days on Well: 1  
 Range: 08.0E

Section: 30 Township: 04.0N

Hours	Per-diem
14.5	50
12.5	50
12.5	50
12.5	50
12.5	50

Tool Pusher Cell: 435-790-2427  
 Company Man Cell: 307-679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6:00AM	7:00AM	Crew Travel			
7:00am	7:05am	JSA, Check Pressures; 0 Psi. on all Csg.,			
7:05AM	8:30AM	Cut Cellar ring Down to Ground Level (to Tall for Rigup Pad)			
8:30am	9:30am	RUWOR			
9:30AM	12:30PM	NDWH (Rusty Bolts), NUBOP (Function Test Bops)			
12:30pm		Dig out around well head, found 9 5/8", Tried to dig out 13 3/8"			
		Ground Started Sluffing in From out side of Cellar Ring, Dumped			
	3:30pm	Around out side of Ring			
3:30pm		R/U Floor, TIH W/ 90 Jts. 2 3/8" N-80 4.7# Tbg. EOT @ 2784'			
	5:30PM	SWIFN			
5:30PM	6:30PM	Crew Travel			
		"All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#"			
Comments: Plans for 12-12-14: P/U Tbg. to 13,070', Start roling hole clean w/ Corrosion Inhibitor			Comments:		

District Mangers Signature: \_\_\_\_\_







**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43043302180000  
**Well Name:** ARE W30-02  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Garcia  
**Rig Hand:** Jeffrey Norton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_  
**Section:** 30      **Township:** 04.0N

**Date:** 12/15/2014  
**Days on Well:** 5  
**Range:** 08.0E

Hours	Per-diem
13.5	50
12.5	50
12.5	50
12.5	50
12.5	50

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6:00AM	7:00AM	Crew Travel			
7:00am	7:05am	JSA, Check Pressures; 0 Psi. on all Csg. And Tbg.			
7:05am		P/U New Love Joys, TIH w/ 4 Jts. Tbg., Fix Cementer and			
	9:00am	water truck,			
9:00am	10:00am	Break Circ., Pump 1 Bbl. Fresh, 18 sxs. ontop of CIBP (100' plug),			
		1 Bbl. Fresh, Displ. w/ 48.5 Bbls. w/ Corrosion Inhibitor			
10:00am	12:00am	L/D 75 Jts. 2 3/8" Tbg., load hole w/ 343 Jts. in hole, EOT @ 10,700'			
12:00pm		Pump 1 Bbl. Fresh, 40 sxs. Balance Plug, TOC @ 10,479',			
	1:00pm	1 Bbl. Fresh, Displ. w/ 39 Bbls. w/ corrosion inhibitor			
1:00pm	3:00pm	L/D 118 Jts 2 3/8" Tbg.			
3:00pm		TOOH w/ 188 Jts. 2 3/8" Tbg. in derrick, 37 Jts. in, EOT @ 1,144'			
	5:30PM	Winterize Equip., SWIFN			
5:30PM	6:30PM	Crew Travel			
		"All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#"			

**Comments:** Plans for 12-15-14: tooh w/ 37 Jts., R/U Magna wireline, RIH w/ Gauge ring, tag cement, POOH, RIH w/ squeeze gun, shoot hole @ 7050, POOH, RIH w/ CICR on wire line , set @ 7000', POOH, R/D wire line, P/U stinger, TIH w/ Tbg. establish injection rate into Csg. if it can dia out aroud well head without the aroud giving way aroud cellar

**Comments:**

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43043302180000  
**Well Name:** ARE W30-02  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Garcia  
**Rig Hand:** Jeffrey Norton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren **Date:** 12/16/2014  
**Projected Days:** \_\_\_\_\_ **Days on Well:** 6  
**Section:** 30 **Township:** 04.0N **Range:** 08.0E

Hours	Per-diem
12	50
10.5	50
10.5	50
10.5	50
10.5	50

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6:00AM	7:00AM	Crew Travel			
7:00am	7:05am	JSA, Check Pressures; 0 Psi. on all Csg. And Tbg.			
7:05am	8:00am	TOOH w/ 37 Jts. Tbg.			
8:00am		R/U Magna wireline, RIH w/ 5.78" gauge ring, Tagcement @ 10451',			
		POOH, RIH w/ 4 shot Squeeze guns, Shoot holes @ 7050', POOH,			
	12:00PM	RIH w/ CICR, Set @ 7000', POOH, R/D WL,			
12:00PM	1:30PM	TIH w/ 221 Jts. Tbg.			
1:30pm		Attempt to dig out around wellhead, Keeps Sluffing in Pee			
	3:30PM	Gravel from the out side of Ring/Lots of oil, SDFN			
3:30PM	4:30PM	Crew Travel			
		"All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#"			

**Comments:** Plans for 12-15-14: Super suck Cellar out, if we have to build box further down to keep integrity of ground around rig., Break Circ., sting into CICR, Establish rate, Pump 76 sxs. in 12 1/4", 20 sxs. in 9 5/8", 9 sxs. below CICR, Sting out of Retainer, Leave 23 sxs. on topl/D TO 5200' tool wireline shoot holes @ 5249' set CICR @ 5149'

**Comments:**

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43043302180000  
**Well Name:** ARE W30-02  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Garcia  
**Rig Hand:** Jeffrey Norton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_  
**Section:** 30      **Township:** 04.0N

**Date:** 12/17/2014  
**Days on Well:** 7  
**Range:** 08.0E

Hours	Per-diem
	50
	50
	50
	50
	50

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6:00AM	7:00AM	Crew Travel			
7:00am	7:05am	JSA, Check Pressures; 0 Psi. on all Csg. And Tbg.			
7:05am	10:00am	R/D Floor, Super suck cellar out w/ Badger, R/U floor,			
10:00am		Break Circ. Up 7", Sting into CICR, TIH w/ 4 Jts. Couldn't			
		Get injection into 13 3/8" (800 Psi. Hold for 10 min.), open			
		9 5/8", injection rate @ 1 1/2" min. @ 500 Psi.(Drilling mud			
		for the first 4 Bbbls. Of Returns),Pump 1 Bbl. Fresh, 52 sxs.			
		Cement, 1 Bbl. Fresh, 21.5 Bbbls. Displ. w/ Corrosion Inhibitor,			
		Sting out of CICR, Pump 3.5 Bbbls. Displ.,( Leaving 180' Plug			
		in 7"x 9 5/8" w/ 20 sxs., 50' below CICR w/ 9 sxs.,			
	3:00pm	130' above CICR w/ 23 sxs.), L/D 57 Jts. , TOOH w/ 168 Jts.			
3:00pm		R/U Magna wireline, RIH w/ Squeeze gun, Shoot holes @ 5254',			
	4:30PM	POOH, RIH w/ 5.69" cigr, Set @ 5199', POOH, R/D WL			
4:30PM	5:30PM	P/U Stinger, TIH w/ 120 Jts. Tbg. EOT @ 3741', SWIFN			
5:30PM	6:30PM	Crew Travel			
		"All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#"			
<b>Comments:</b> Plans for 12-18-14: TIH w/ Tbg. load hole, sting in to CICR, Injection rate, Pump Cement in Annulus 13 3/8"x 9 5/8", 9 5/8"x 7", 55' below CICR w/ 160' above, L/D To2100', TOOH, R/U WL, Shoot holes @ 2150', cigr @ 2100', shoot holes @ 100'			<b>Comments:</b>		

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43043302180000  
**Well Name:** ARE W30-02  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Garcia  
**Rig Hand:** Jeffrey Norton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren **Date:** 12/18/2014  
**Projected Days:** \_\_\_\_\_ **Days on Well:** 8  
**Section:** 30 **Township:** 04.0N **Range:** 08.0E

Hours	Per-diem
14.5	50
13	50
13	50
13	50
13	50

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6:00AM	7:00AM	Crew Travel	6:00PM	7:00PM	Crew Travel
7:00am	7:05am	JSA, Check Pressures; 0 Psi. on all Csg. And Tbg.			
7:05am		TIH w/ 24 Jts. 168 Total, load 7", Sting in to CICR, Attempt			
		Injection into 13 3/8", 800 Psi. w/ no bleed off, break circ. Up			
		9 5/8", Pump 1 Bbl. Fresh, 84 sxs., 1 bbl. Fresh, 13.5 bbls. Displ.			
		w/ Corrosion inhibitor, sting out, Pump 4.5 Bbls. Displ.,			
		Leaving 360' Plug in 9 5/8" w/ 46 sxs., 55' below CICR w/ 10			
	11:30am	sxs., 160' ontop of CICR w/ 28 sxs., L/D 100 Jts., TOOH w/ 68 Jts.			
11:30am		R/U Magna wireline, RIH w/ 4 shot squeeze gun, shoot holes @			
		2153', POOH, RIH w/ 5.69 CICR, set @ 2099', POOH, Shoot			
	2:00pm	holes @ 110' w/ 4 shot gun, POOH R/D WL			
2:00pm		TIH w/ 68 Jts., sting into Retainer, Establish injectin rare in			
		13 3/8" @ 2 bbl. Min. @ 250 Psi., Pump 1 Bbl. Fresh, 71 sxs., 1			
		Bbl. Fresh, Displ. w/ .8 Bbls., Close 13 3/8", open 9 5/8", Displ.			
		w/ 2.6 Bbls.,stin out of CICR, Displ. w/ 3 Bbls., Leaving 100'			"All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#"
		Plug in 13 3/8" w/ 30 sxs., 100' Plug in 9 5/8" w/ 13 sxs., 54'			
		Plug below CICR w/ 10sxs., 100' Plug ontop w/ 18 sxs., L/D 68			
	6:00PM	Jts, SDFN			
<b>Comments:</b> Plans for 12-19-14: R/D Floor, NDBOP, NUWH, RDWOR, Stage Equip. to side of Location, Pump 66 sxs. 110' in all Annulus to Surf., Dig out well head, cut well head off 4' below surf., top of cement to surf., weld info plate on			<b>Comments:</b>		

**District Mangers Signature:** \_\_\_\_\_

**Company Name:** Merit Energy Company  
**AFE or Project #:** API#: 43043302180000  
**Well Name:** ARE W30-02  
**RIG #:** 24  
**Tool Pusher:** Daniel Norton  
**Operator:** Micheal Nielson  
**Rig Hand:** Alan Nielson  
**Rig Hand:** Robert Garcia  
**Rig Hand:** Jeffrey Norton  
**Rig Hand:** \_\_\_\_\_  
**Rig Hand:** \_\_\_\_\_

**Company Man:** Mel Wren  
**Projected Days:** \_\_\_\_\_  
**Section:** 30      **Township:** 04.0N

**Date:** 12/19/2014  
**Days on Well:** 9  
**Range:** 08.0E

Hours	Per-diem
13.5	50
12.5	50
12.5	50
12.5	50
12.5	50

**Tool Pusher Cell:** 435-790-2427  
**Company Man Cell:** 307-679-8010



Task Times:		Job Steps "In Bid Scope"	Task Times:		Job Steps "Out of Bid Scope"
6:00AM	7:00AM	Crew Travel			
7:00am	7:05am	JSA, Check Pressures; 0 Psi. on all Csg.			
7:05am	8:00am	R/D Floor, NDBOP, NUWH			
8:00AM	9:00AM	RDWOR			
9:00AM	10:00AM	Prep. Cementer, Load the hole, Pump 66 sxs. cement down 7"			
		up all Annulus 110' to Surf.			
10:00am	2:00pm	Digout well Head, Cut well head off 4' Below GL			
2:00PM	3:00PM	Top of W/ cement to Surf. W/ 8 sxs., Weld info Plate on			
3:00pm	5:30pm	Move Equip. to Next Location			
5:30pm	6:30pm	Crew Travel			
					"All Cement Pumpoed is Type "G" W/ 1.15 sx/yard @ 15.8#"
<b>Comments:</b> Plans for 12-20-14: RUWOR, NDWH, NUBOP R/U Floor, Fill Cementer, Shut down for Holidays, Plan on Returning on the 2nd of January to start the morning of the 3rd.			<b>Comments:</b>		

**District Mangers Signature:** \_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: ARE W30-02
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	9. API NUMBER: 43043302180000
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	PHONE NUMBER: 972 628-1540 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0715 FNL 2182 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 30 Township: 04.0N Range: 08.0E Meridian: S	9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
	COUNTY: SUMMIT
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>8/15/2016</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input checked="" type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Merit Energy request 1 year extension for reclaiming the above referenced well. Merit plans on reclaiming the well in the 3rd quarter of 2017.

**Approved by the**  
**September 02, 2016**  
**Oil, Gas and Mining**

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

NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/2/2016	