

AMOCO PRODUCTION CO. - WELL NO. ANSCHUTZ RANCH E. W31-05

API NO. 43-043-30280

Sec. ~~36~~³¹, T. 4N, R. ~~7E~~^{8E} SUMMIT COUNTY, UTAH

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE WATER SANDS LOCATION INSPECTED SUB REPORT abd

DATE FILED 7-22-86

LAND FEE & PATENTED X STATE LEASE NO PUBLIC LEASE NO INDIAN

DRILLING APPROVED 7-23-86

SPUDDED IN 8-9-86

COMPLETED PUT TO PRODUCING

INITIAL PRODUCTION

GRAVITY API

GOR

PRC IG ZONES

TOTAL DEPTH

WELL ELEVATION 032613

DATE ABANDONED

FIELD ANSCHUTZ RANCH EAST

UNIT ANSCHUTZ RANCH EAST

COUNTY SUMMIT

WELL NO ANSCHUTZ RANCH EAST W31-05 API #43-043-30280

LOCATION (BHL) 2600' FNL FROM (N) (S) LINE 800' FWL FT FROM (E) (W) LINE SW NW 14 - 14 SEC 31'

(SURE) 2361' FNL 282' FEL 4N 7E SE NE 36

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
				4N	8E	31	AMOCO PRODUCTION CO.

4N 8E 31 AMOCO PRODUCTION CO.

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

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

Anschutz Ranch East

b. Type of Well

Oil Well

Gas Well

Other

~~Injection Well~~

Single Zone

Multiple Zone

8. Farm or Lease Name

W31-05

2. Name of Operator

AMOCO PRODUCTION COMPANY

9. Well No.

W31-05

3. Address of Operator

P. O. BOX 829, EVANSTON, WYOMING 82930

10. Field and Pool, or Wildcat

Anschutz Ranch East

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

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

Sec. 36, T4N, R7E

At surface SE/4 NE/4, Sec. 36, 282' FEL & 2361' FNL T4N, R7E

At proposed prod. zone BHL Sec.31, T4N, R8E 2600' FNL & 800' FWL

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

12. County or Parrish 13. State

20 miles South of Evanston, WY

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

800'

16. No. of acres in lease

17. No. of acres assigned to this well

80

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

1050'

19. Proposed depth

14,235'

20. Rotary or cable tools

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

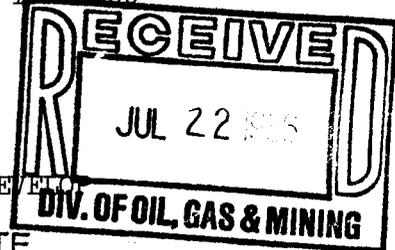
8025' graded ground

22. Approx. date work will start*

Approval of APD

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
26"	20"	94#	300'	to surface
17 1/2"	13 3/8"	61,68#	5220'	to surface
12 1/4"-16"	9 5/8"-10 5/8"	47,53.5,101.4#	11510'	TD-10600'
8 1/2"	7"	26,32#	14235'	TD-10600'



AMOCO PROPOSES TO DRILL AN INJECTION WELL TO DEEPEN NUGGET RESERVES

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

DATE: 7/23/86
BY: [Signature]
WELL SPACING: 203

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.

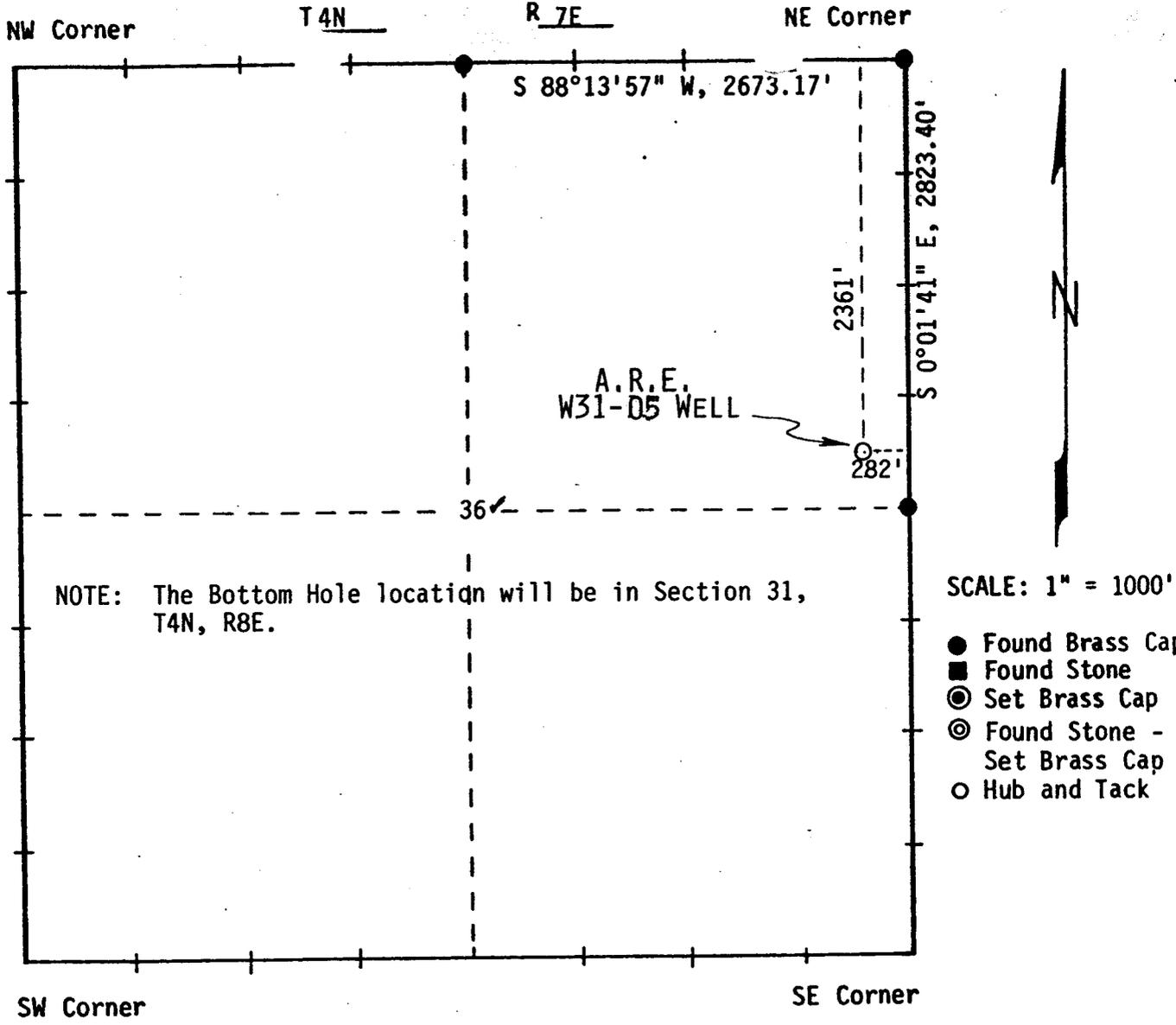
24. Signed: Walter G. Shaffer Title: District Drilling Supervisor Date: 7-18-86

(This space for Federal or State office use)

Permit No. 43-043-30280 Approval Date

Approved by Title Date

Conditions of approval, if any:



NOTE: The Bottom Hole location will be in Section 31, T4N, R8E.

SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Craig Griffith of Evanston, Wyoming for Amoco Production Co. I made a survey on the 10th day of July, 19 86 for Location and Elevation of the A.R.E. W31-05 Well as shown on the above map, the wellsite is in the SE 1/4 NE 1/4 of Section 36, Township 4 N, Range 7E of the SLB & M, Summit County, State of Utah, Elevation is 8056 Feet Hub & Tack Datum 3 Dimension Control Net Tied to USGS & USC & GS Monuments (1929 NGVD)

Reference point _____
 Reference point _____
 Reference point _____
 Reference point _____

John A. Proffit 7/16/86
 John A. Proffit, Utah R.L.S. NO. 2860

BOOK: 477
 DATE: JULY 16, 1986
 JOB NO.: 86-10-27

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

10-Point Drilling Program

(W31-05)

- 1) Geologic name of the surface formation: Tertiary
- 2) Estimated tops of geological markers:

<u>Formation</u>	<u>Depth</u>
Frontier	2,030'
Aspen	5,170'
Bear River	5,610'
Gannet	6,960'
Preuss	9,960'
Salt	11,020'
Twin Creek	11,410'
#Nugget	13,035'
Anakreh	14,235'
Total Depth	14,235'

- 3) Anticipated depths to encounter water, oil, gas or other mineral-bearing formations:

<u>Substances</u>	<u>Depth</u>
Oil Gas, Water	13,035'

- 4) Casing Program:

<u>Hole Size</u>	<u>Casing</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Threads</u>	<u>Cementing Depth</u>
26"	20"	94#	H40	STC	300'
17 1/2"	13 3/8"	61,68#	S80	BTC	5220'
12 1/4"	9 5/8"-10 5/8"	47,53.5,101.4#	HC95, P110	LTC & x-line	11510'
8 1/2"	7"	26,32#	N80	BTC, LTC	14235'

13 3/8" casing will be cemented from setting depth to surface.

- 5) Operators minimum specifications for pressure control equipment are explained on the attached schematic diagram. 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. BOPs will be tested every 30-day interval and after every string of casing is run. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

6) Mud Program:

<u>Interval</u>	<u>Type Mud</u>	<u>Wt #/gal</u>	<u>Viscosity</u>	<u>WL CC/30M</u>
0-5252'	LSND-Spud	8.6-9.2#	Sufficient to clean and stabilize hole.	
5220'-TD	Invert	7.7-11.5#		

7) Auxiliary Equipment:

Kelly cock; sub with full opening valve 3" choke manifold with remote control choke; monitor system on pit level, audio and visual; mudlogger (2-man type) w/chromatograph. Mud logger run from Salt Top to TD....

8) Testing Program:

DST's None

Logging Program:

DIL-GR	Base of surface casing to TD
Long Spaced Sonic-GR	Base of surface casing to TD
FDC-CNL-GR-Cal	Base of surface casing to TD
HDT Dipmeter	Base of surface casing to TD
SHDT Dipmeter	Base of surface casing to TD
Check Shot Velocity	Base of surface casing to TD
Gyro Directional	Base of surface casing to TD

Coring Program: None

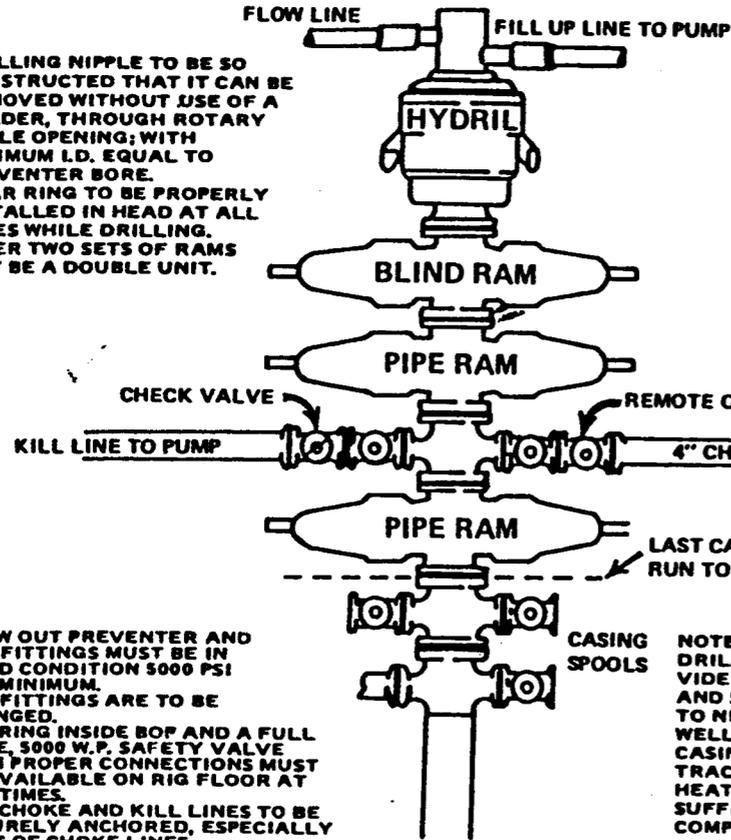
9) No abnormal pressures or temperatures are anticipated.

10) Anticiapted starting date will be when approved and the duration of drilling operations will be approximately 120 days.

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

NOTE:

1. DRILLING NIPPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING; WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.
2. WEAR RING TO BE PROPERLY INSTALLED IN HEAD AT ALL TIMES WHILE DRILLING.
3. UPPER TWO SETS OF RAMS MAY BE A DOUBLE UNIT.



NOTE:

1. BLOW OUT PREVENTER AND ALL FITTINGS MUST BE IN GOOD CONDITION 5000 PSI W.P. MINIMUM.
2. ALL FITTINGS ARE TO BE FLANGED.
3. A STRING INSIDE BOP AND A FULL BORE, 5000 W.P. SAFETY VALVE WITH PROPER CONNECTIONS MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES.
4. ALL CHOKE AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKE LINES.
5. KILL LINE MUST BE CONNECTED AT ALL TIMES.
6. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
7. MUST HAVE KELLY COCK ON KELLY.
8. EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES.
9. RIG FLOOR BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLER'S POSITION AS FEASIBLE.
10. BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE ENOUGH CAPACITY TO OPERATE BOP'S OPEN/CLOSE TWICE, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION.
11. EXTEND KILL LINE 150' FROM WELLBORE FOR AUXILIARY HOOKUP CAPABILITY.
12. NO COLLECTOR BOTTLES, SURGE TANKS OR BUFFER CHAMBERS DOWNSTREAM OF THE CHOKE MANIFOLD.
13. THE CHOKE LINE FROM THE STACK TO THE MANIFOLD MUST BE STRAIGHT.
14. IF A FLEXIBLE HOSE IS TO BE USED AS A CHOKE LINE, IT MUST BE APPROVED BY AMOCO PRIOR TO RIGGING UP.

NOTE:

FOR ALL AMOCO LOCATIONS, BOP STACK, CHOKE MANIFOLD, ALL PIPING AND VALVES MUST MEET REQUIREMENTS FOR SOUR GAS SERVICE AND MUST TEST TO ROCKWELL HARDNESS OF 22 OR LESS. REFER TO ENGINEERING SPECIFICATIONS S-17-B AND S-28-A OR NACE STANDARD MR-01-75.

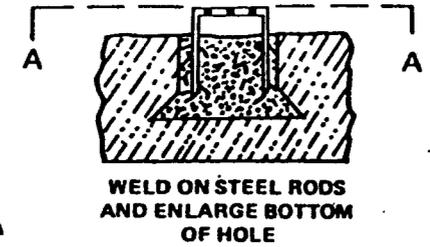
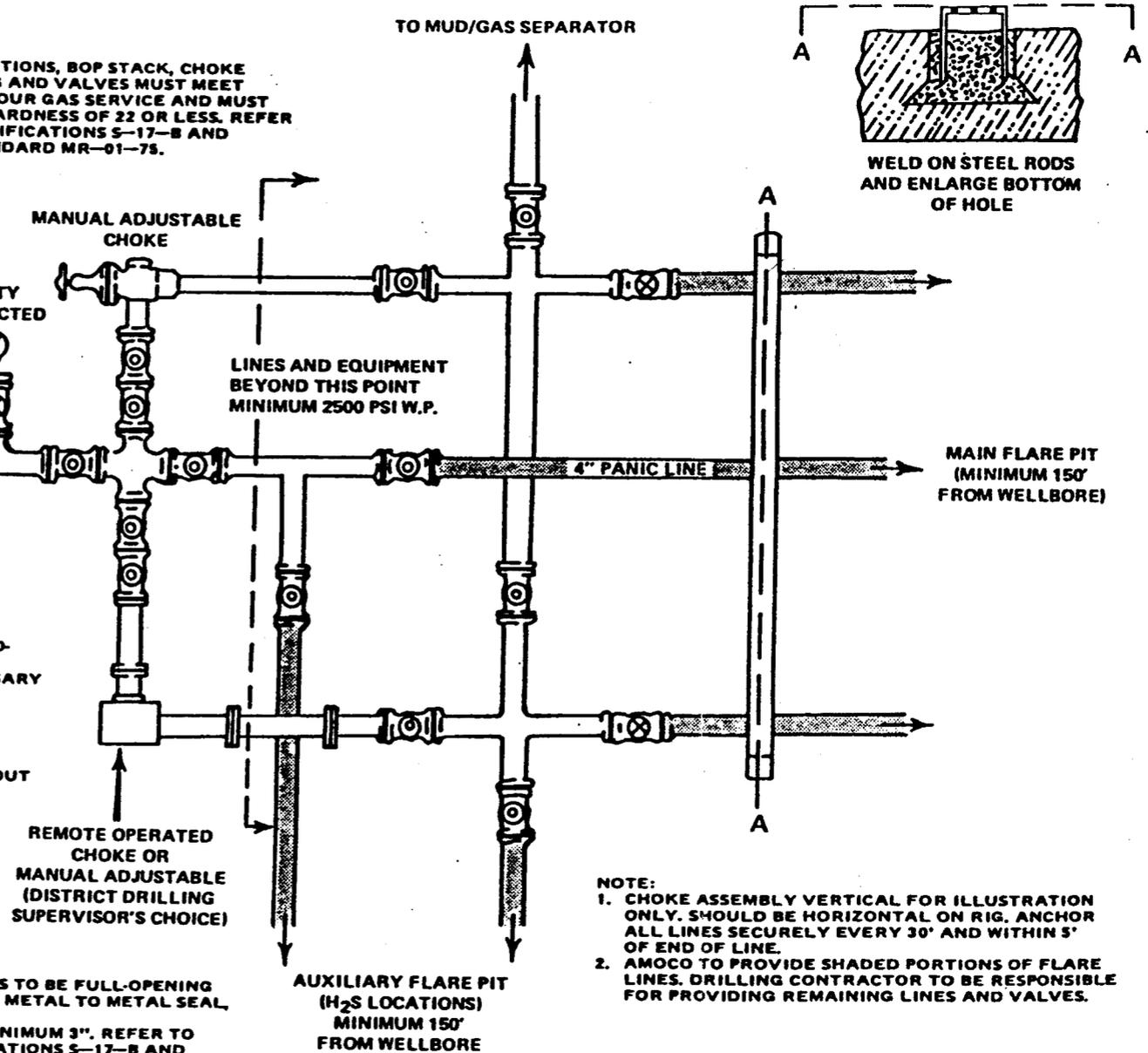
NOTE:

DRILLING CONTRACTOR TO PROVIDE DOUBLE STUD ADAPTERS AND SPACER SPOOLS AS NECESSARY TO NIPPLE UP STACK TO AMOCO WELLHEAD (BRADEN HEAD OR CASING SPOOL). DRILLING CONTRACTOR ALSO TO PROVIDE HEATED CHOKE HOUSE WITH SUFFICIENT AREA TO CHANGE OUT COMPONENTS EASILY.

NOTE:

1. ALL UNMARKED VALVES TO BE FULL-OPENING GATE OR PLUG VALVES, METAL TO METAL SEAL, 5000 PSI W.P.
2. ALL UNMARKED PIPE MINIMUM 3". REFER TO ENGINEERING SPECIFICATIONS S-17-B AND S-28-A AND NACE STANDARD MR-01-75 FOR APPROVED GRADES.
3. ALL WELDS MUST BE HEAT TREATED ACCORDING TO ENGINEERING SPECIFICATION S-28-A OR NACE STANDARD MR-01-75.

TO MUD/GAS SEPARATOR

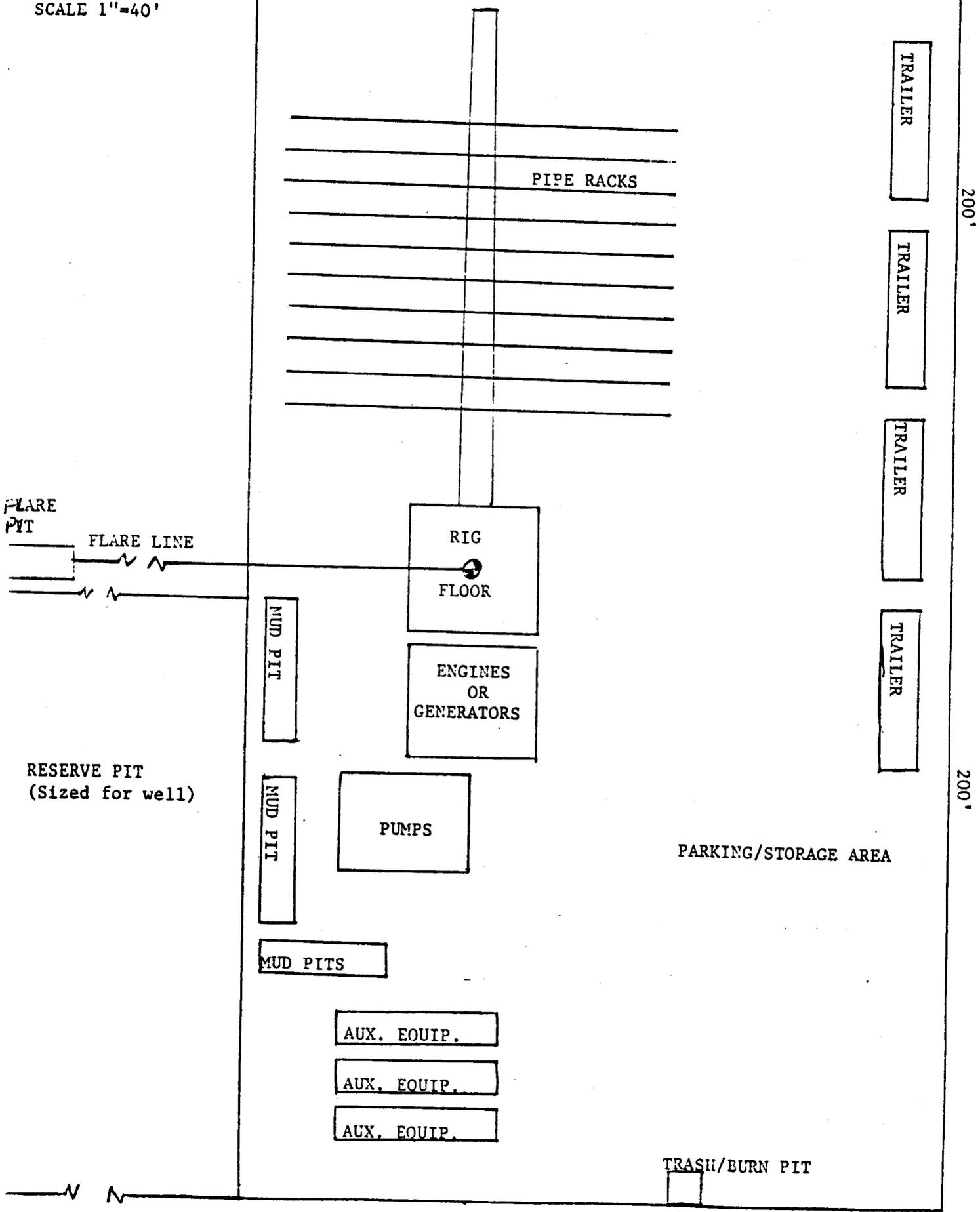


NOTE:

1. CHOKE ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY. SHOULD BE HORIZONTAL ON RIG. ANCHOR ALL LINES SECURELY EVERY 30' AND WITHIN 5' OF END OF LINE.
2. AMOCO TO PROVIDE SHADED PORTIONS OF FLARE LINES. DRILLING CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING REMAINING LINES AND VALVES.

TYPICAL LOCATION/RIG LAYOUT

SCALE 1"=40'



200'

200'



APD TECHNICAL REVIEW

OPERATOR Amoco Production Co WELL NAME W31-05
LOCATION: SEC. 36 T. 4N R. 7E
31 COUNTY Summit FIELD ANSCHUTZ RANCH EAST
LEASE: SURFACE _____ MINERAL Amoco Prod Co
OBJECTIVE FORMATION/DEPTH: NUGGET @ 13035' FOR INJECTION WELL
SPACING: _____ FM OIL; 1000' FM GAS CONDENSATE (31-12)
1000' FM GAS INJECTION (31-08)

CONTACTS:

OPERATOR Amoco Prod Co - JOHN GREENER PHONE # (307) 789-1700 X2384
DIRT CONTRACTOR _____ PHONE # ()
SURFACE OWNER MAX ARNSON PHONE # (801) 289-2142
OTHER _____ PHONE # ()
OTHER _____ PHONE # ()

PRE-SITE INSPECTION DATE: 7/21/86
PAD CONSTRUCTION DATE: 7/24/86 INSPECTION DATE: _____
SPUD DATE: _____ INSPECTION DATE: _____
TD DATE: 120 DAYS FROM SPUD INSPECTION DATE: _____
REHAB COMPLETION DATE: SUMMER 1987 INSPECTION DATE: _____

SUBSURFACE GEOLOGY:

ABNORMAL PRESSURES: NONE ANTICIPATED
WATER ZONES: @ 13035 in NUGGET
OIL ZONES: _____
GAS ZONES: (CONDENSATE GAS) @ 13035' - 14235'

CHECKLIST (BY WHOM AND WHEN):

GEOLOGY (SURFACE FM, TOPS & TD) O.K. CR 7/21/86
H₂S IN AREA NONE - CR 7/21/86 HYDROLOGY _____
SPACING (existing wells, etc.) 80 ACRES - O.K. CR 7/21/86
CASING PROGRAM _____ MUD PROGRAM _____
SUBSURFACE PRESSURES _____ LOG PROGRAM _____
SITE LAYOUT O.K. CR 7/21/86 RESERVE PIT unlined CR 7/21/86
PRODUCTION PIT _____ WATER SUPPLY FROM PERMITTED H₂O WELL
DESIGNATION OF OPERATOR Amoco Prod. Co.
REHABILITATION PROGRAM RECONTOUR + RESEED

STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 DRILLING LOCATION ASSESSMENT

OPERATOR Amoco PRODUCTION CO. WELL NAME W31-05
 LOCATION: COUNTY Summit SURFACE 36 T4N R 7E
 SECTION BHL 31 T 4N R 8E
 QTR/QTR SE/NE SURFACE 282 FEL 2361 FNL
 BHL 800 FWL & 2600 FNL
 SURFACE OWNERSHIP Max ARNSON MINERAL LEASE # Fee (Amoco)

ASSESSMENT PARTICIPANTS:

DATE 7 121 186

JOHN GREENER

Amoco PROD Co (307) 789-1700 x2384

CAROL REVELT

DOG M

ED DEPUTY

DOG M

I. REGIONAL SETTING/TOPOGRAPHY

UTAH THRUST BELT. LOCATION SURROUNDED BY STEEP HILLS DISSECTED
by headwaters of Thief Creek and adjacent HIGH PLAINS.

II. LAND USE

A. Current Surface Use:

OPEN RANGE GRAZING - BOTH LIVESTOCK AND WILDLIFE

B. Proposed Surface Disturbance:

WILL MODIFY AREA TO ACCOMMODATE A 1/4-1/2 MILE ACCESS ROAD, A 400' x 200'
pad, and a 90' x 200' RESERVE PIT. WELL IS LOCATED ON A "POINT" - EXPECT
TO MOVE 26000 yds³ OF SOIL TO EXCAVATE AREA TO 8025' ELEVATION. ROAD WILL
CROSS A GAS LINE ADJACENT TO LOCATION.

* SEE CUT DIAGRAM - ATTACHMENT #2

C. Affected Floodplains and/or Wetlands:

SMALL NE FLOWING STREAM IS LOCATED 1000' TO THE SOUTH OF THE LOCATION. SEVERAL
SMALL BEAVER PONDS ARE LOCATED 1/2 MILE DOWNSTREAM. AREA IN STREAM BOTTOM IS
DAMP BUT IS SURROUNDED BY MATURE STANDS OF CONIFERS + ASPENS. THIEF CREEK - YELLOW
CREEK FLOODPLAIN LOCATED ~ 5 MILES DOWNSTREAM.

III. ENVIRONMENTAL PARAMETERS

A. Geology:

1. Surface Formation -

TERTIARY WASATCH FORMATION (INTERBEDDED CONGLOMERATES + SHALES) COVERED
BY WELL DEVELOPED SOILS.

2. Stability -

STEEPEST SLOPE NEAR LOCATION IS 26° (CALCULATED FROM TOPO) AND IS LOCATED
ON SOUTH SIDE OF PAD. SLOPE IS WELL VEGETATED. NO POSSIBILITY OF SLIDE ON TO LOCATION
AS PAD IS LOCATED ON THE TOP OF AN ISOLATED POINT. ANY SLUMPING WOULD BE CONTAINED
by TREES BELOW PAD.

B. Soils:

1. Soil Characteristics -

WELL DEVELOPED BROWN SANDY/SILTY LAYER w/ SUB ROUNDED COBBLES +
PEBBLES.

2. Erosion/Sedimentation -

MODERATE EROSION POTENTIAL ON STEEP SLOPES. AREA IS CURRENTLY WELL
VEGETATED INHIBITING EROSION.

C. Water Resources:

STREAMS WITHIN ANSCHUTZ RANCH EAST ARE OF A SUB-PARALLEL ORIENTATION AND
ALL DRAIN INTO THIEF CREEK WHICH EVENTUALLY DRAINS INTO YELLOW CREEK.
HEADWATERS OF THIEF CREEK LOCATED 1500' SW OF LOCATION. BEAVER PONDS
LOCATED 1/2 MILE EAST OF LOCATION.

D. Flora/Fauna:

FLORA: SAGE BRUSH, THISTLES, SHORT GRASSES, SMALL BUSHES, SEVERAL VARIETIES OF WILDFLOWERS (SEED LILIES, INDIAN PAINTBRUSH, ASTERS), MATURE STANDS OF ASPENS + CONIFERS,

FAUNA: BEAVERS, COWS, DEER + HORSES. LOCATION OF FIELD DOESN'T APPEAR TO AFFECT THE ABILITY OF WILDLIFE TO EXIST HERE. BEAVERS ARE IN GREATEST DANGER IF THERE WOULD

E. Cultural Resources/Archeology:

LAND IS FEE LAND - HAVE OPTED TO FOREGO SURVEY. NO APPARENT ARCHAEOLOGICAL/CULTURAL REMAINS IN DANGER.

F. Adequacy of Restoration Plans:

AMMO REPRESENTATIVE INDICATED THAT APC HAD WORKED EXTENSIVELY WITH SURFACE OWNER TO DETERMINE LOCATION - HAD CHANGED ORIENTATION TO SAVE STAND OF ASPENS. WILL RESEED AND RECONTOUR NEXT SPRING OR SUMMER (1987).

IV. RESERVE PIT

A. Characteristics:

90' x 300' x 10' WITH A CAPACITY OF 86000 BBLS. 75% OF PIT WILL BE LOCATED ON CUT SURFACE ON S PART OF PAD. PIT IS TO BE DIVIDED INTO THREE SECTIONS TO ISOLATE DIFFERENT DRILLING COMPONENTS (I.E. FRESH WATER MUD ISOLATED FROM OIL-MUD. WILL TRY TO USE FRESH WATER MUD IN DRILLING 30-13).

B. Lining:

NONE - SURFACE FORMATION CONTAINS BENTONITIC CLAY WHICH PROVIDES IMPERMEABLE LAYER.

V. OTHER OBSERVATIONS

1. APC IS CURRENTLY PERMITTING A WATER WELL FOR DRILLING PURPOSES.

2. THIS WELL WILL BE TURNED INTO AN INJECTION WELL AFTER DRILLING IS COMPLETED (WILL DRILL WITH OIL BASE MUD EVEN IN NUGGET FORMATION).

3. WELL WILL BE DEVIATED 1100' TO EAST

4. ROAD WORK WAS VERBALLY APPROVED ON 7/22/86 BY R.J. FIRTH. AMMO WANTED TO BE ABLE TO WORK ON THE HOLIDAY. (SEE #6)

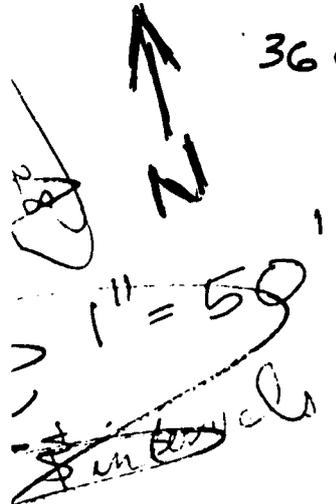
5. WILL USE MAIN FIELD ROAD BETWEEN 36-08 + 3104 AS MAIN ACCESS.

6. WILL USE DIRT EXCAVATED FROM PAD TO BUILD ROAD. WILL START PAD + ROAD WORK SIMULTANEOUSLY.

SCALE: 1" = 50'

W31-05

36 000 CY



380

25

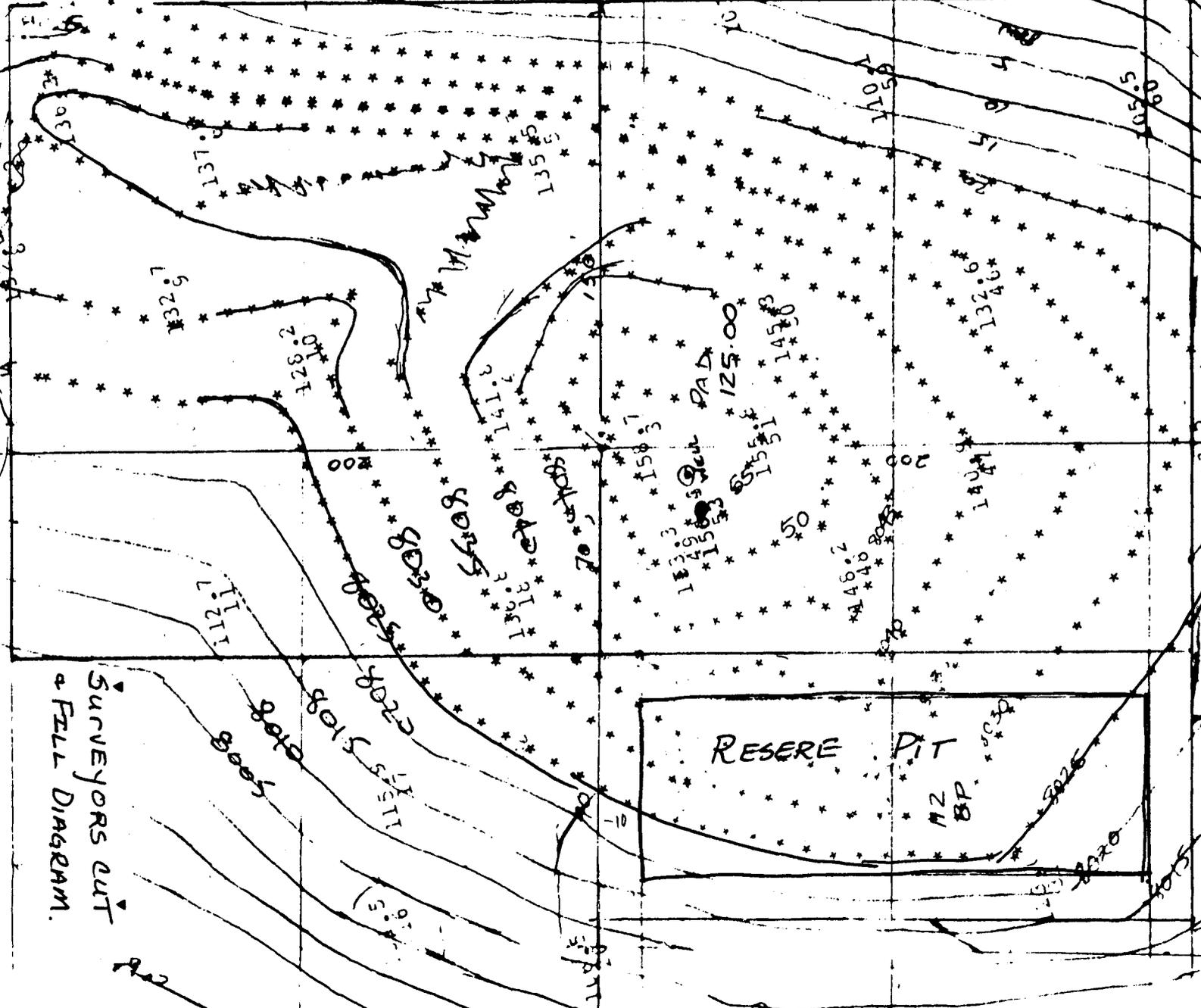
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SURVEYORS CUT & FILL DIAGRAM.

RESERVE PIT

M2 BP.

8025- EXCAVATION LEVEL



072914

OPERATOR Amoco Production Co DATE 7-22-86

WELL NAME Unschütz Ranch East W 31-05

SEC BHL 31 (SW NW) T 4N 7E R 8E COUNTY Summit

43 043-30280
API NUMBER

Free
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Unit Well
Need water permit

APPROVAL LETTER:

SPACING: 203 Unschütz Ranch East 302
UNIT
 CAUSE NO. & DATE 302.1

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 23, 1986

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

Gentlemen:

Re: Well Name: Anschutz Ranch East W31-05 - (Surf.) SE NE Sec. 36, T.4N, R.7E
2361' FNL, 282' FEL; (BHL) SW NW Sec. 31, T.4N, R.8E - 2600' FNL, 800' FWL
Summit County, Utah

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule 203, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2

Amoco Production Company

Well Name: Anschutz Ranch East W31-05

July 23, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-043-30280.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as

Enclosures

cc: D. R Nielson

8159T

*Expired
8-27-87*

FILING FOR WATER IN THE STATE OF UTAH

102100

Rec. by _____
Fee Paid \$ _____
Platted _____
Microfilmed _____
Roll # _____

APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

WATER USER CLAIM NO. 21 - 1553

APPLICATION NO. T61920

1. PRIORITY OF RIGHT: July 17, 1986

FILING DATE: July 17, 1986

2. OWNER INFORMATION

Name: Amoco Production Company
Address: P.O. Box 829, Evanston, WY 82930
The land is not owned by the applicant(s), see explanatory.

*A-R-E
W 31-05*

3. QUANTITY OF WATER: 0.2 cubic feet per second (CFS)

43.043.30280

4. SOURCE: Ground Water DRAINAGE: Bear River-Summit County

POINT(S) OF DIVERSION: COUNTY: Summit

(1) N. 600 feet, W. 2000 feet, from the SE Corner of Section 36,
Township 4 N, Range 7 E, SLB&M

Description of Diverting Works: 6 inch diameter well 900 ft.

COMMON DESCRIPTION: W36-14 Water Well

5. NATURE AND PERIOD OF USE

Oil Exploration From January 1 to December 31.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Drilling and completion of oil/gas wells.

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN	RANGE	SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
4 N	8 E	30																X
4 N	8 E	31			X													

All locations in Salt Lake Base and Meridian

EXPLANATORY

The surface owner is Antelope Company.
Previous permit number was #58577 (21-1488) Expired March 1984.

Appropriate

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

081507

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 829, EVANSTON, WYOMING 82930</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SENE Sec. 36, T4N, R7E 282' FNL & 2361' FNL BHL Sec. 31, T4N, R8E 2600' FNL & 800' FWL</p> <p>14. PERMIT NO. 43-043-30280</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME Anschtuz Ranch East</p> <p>8. FARM OR LEASE NAME W31-05</p> <p>9. WELL NO. W31-05</p> <p>10. FIELD AND POOL, OR WILDCAT Nugget</p> <p>11. SEC., T., R., M., OR BLE. AND SUBST OR AREA Sec. 36, T4N, R7E</p> <p>12. COUNTY OR PARISH 13. STATE Summit Utah</p>
<p>15. ELEVATIONS (Show whether OF, FT, GR, etc.) 8052' GR</p>		

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 ACIDISE <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) _____	

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

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

The above referenced well was spud on 8-9-86 @ 7:00 hrs

The Water Permit number for said well is T61920

RECEIVED

AUG 14 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED Lon E. Bushner TITLE Operations Supervisor DATE 8-11-86

(This space for Federal or State office use)

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

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

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Drp.

090914

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME Anschutz Ranch East	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SENE 282' FEL 2361' FNL		8. FARM OR LEASE NAME W31-05	
14. PERMIT NO. 43-043-30280		9. WELL NO. W31-05	
15. ELEVATIONS (Show whether DP, RT, OR, etc.) 8025' Graded Ground		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 36, T4N, R7E	
		12. COUNTY OR PARISH Summit	
		13. STATE Utah	

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

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

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

9/3/86

Spud Date: 8-9-86

Depth: 3,921'

Drilling Contractor: Noble 116

Bit Size: 17.50 inches

Total Depth: 14,100'

Drilling Ahead

RECEIVED
SEP 08 1986

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED *Richard S. Warty* TITLE Staff Facilities Engineering Supervisor DATE 9-3-86

(This space for Federal or State office use)

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

DOUBLE "D" ENTERPRISES

RECEIVED
SEP 22 1986

B.O.P. Test Report

DIVISION OF
OIL, GAS & MINING

092512

Deq.

B.O.P. TEST PERFORMED ON (DATE)..... *September 13, 1986*

OIL CO.: *Amoco*

WELL NAME & NUMBER..... *A.R.E. W. 31-05*

SECTION..... *23*

TOWNSHIP..... *4N*

RANGE..... *8E*

COUNTY..... *Summit*

DRILLING CONTRACTOR..... *Noble #116*

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

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

OIL CO. SITE REPRESENTATIVE..... *Joe*

RIG TOOL PUSHER.....

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

NOTIFIED PRIOR TO TEST:

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

Utah Oil & Gas

B.L.M.

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

DOUBLE "D" ENTERPRISES, INC.

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

DELIVERY TICKET

No 4446

Date 9-13-86

Operator Amoco Contractor Noble Drllg. Rig No. # 116

Ordered By Joe Lease A. R. F. Well No. W. 31-05

County Summit, Utah Section 23 Township 4-N Range 8-E

Items Tested:

	Low Test	Time Held	High Test	Time Held	Comments
Top Pipe Rams	—	—	3000	15 min.	O.K.
Bottom Pipe Rams	—	—	3000	15 min.	O.K. (c/o Deer Seal Pit Side)
Blind Rams	—	—	3000	15 min.	O.K.
Annular B.O.P.	—	—	1500	15 min.	O.K.
Choke Manifold	—	—	3000	15 min.	O.K. (Wear K on Grease Valves)
Choke Line	—	—	3000	15 min.	O.K.
Kill Line	—	—	3000	15 min.	O.K.
Super Choke	—	—	3000	15 min.	O.K.
Upper Kelly	—	—	3000	15 min.	O.K.
Lower Kelly	—	—	3000	15 min.	O.K.
Floor Valve	—	—	3000	15 min.	O.K.
Dart Valve	—	—	3000	15 min.	O.K.

Run Manual Choke Saffty ✓, O.K. In Good operating Cond.

Closing Unit Psi 3000 Closing Time of Rams 6 Sec. Closing Time of Hydril 14 Sec.

Closed Casing Head Valve Yes Set Wear Sleeve Yes.

Comments Drain Choke Line & Manifold, Set all Valves,

Rig has Float Valve Below Lower Kelly 200K / Help N.L. Hook-up

COMPANY	LEASE AND WELL NAME #	DATE OF TEST	RIG # AND NAME
Imoco	A.R.E. W 31-05	9-13-86	Noble # 116
T#	TIME	-	
		Finish Nipple-up & Help Rig Hook-up Kookey lines	
		Set Plug, Fill Stack, Drop Air	
		Attempt Test # 1 - No Go - (Lower Pipe Ram Door Seal	
		Leaking - Pit Side) Tighten Door - Attempt Test - No Go)	
		Change - Out Door Seal & Clean, and Tighten)	
		Fill Stack, Drop Air	
①	10:45-11:00	3000 P.S.I. - Blind Rams, 1st Manual Valve Kill line, Outside Values on Choke Manifold.	
		Set Mouse Hole, & Pick-up up It. & Make-up.	
		Circ. Sub, T.I.W, Dart, Values, & Screw into Plug	
②	11:40-11:55	3000 P.S.I. - Lower Pipe Rams & T.I.W. Valve	
		Switch Values & Rams	
③	12:05-12:20	3000 P.S.I. - Upper Pipe Rams, 2nd Man. Valve Kill line, Manual Valve Choke line, & T.I.W.	
		Switch Values, Work & Close H.C.R., Switch to Check Valve	
④	12:30-12:45	3000 P.S.I. - Upper Pipes, ✓ Value Kill line, & H.C.R. Valve & T.I.W.	
		Switch Values, & Surge to Shut Dart Valve	
⑤	12:55-1:10	3000 P.S.I. - Upper Pipes, ✓ Value, Manual Valve Before Choke Manifold, Dart Valve	
		Switch Values, Work & Close Hydrill, open Upper Pipes	
⑥	1:20-1:35	1500 P.S.I. - Hydrill, & Riser Valve Choke Man.	
		Pull Plug, Drain B.O.P.'s & Kill line	
		Set Wear Bushing, Close Casing Head Valve	
		Rig Pickings up Kelly & Install upper & lower Kelly Cocks	
		Switch to test Manifold (while waiting) on Kelly)	
⑦	2:30-2:45	3000 P.S.I. - Inside Values Choke Manifold	
		Switch Values	
⑧	2:50-2:55	Manual Choke Safty ✓ - 800 P.S.I. Then Bled off to 700 P.S.I. 5 min. Manual Choke in Good operating Condition	
		Switch to Test Kelly	
⑨	3:05-3:30	3000 P.S.I. - Lower Kelly Cock	
		Open L.K.C. & Fill Kelly To Test U.K.C.	
		Attempt Test # 10 Conn. Leaking - Tighten Some	
⑩	3:40-3:55	3000 P.S.I. - Upper Kelly Cock	

(Next Page)

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

Amoco

A.R.E. W31-05

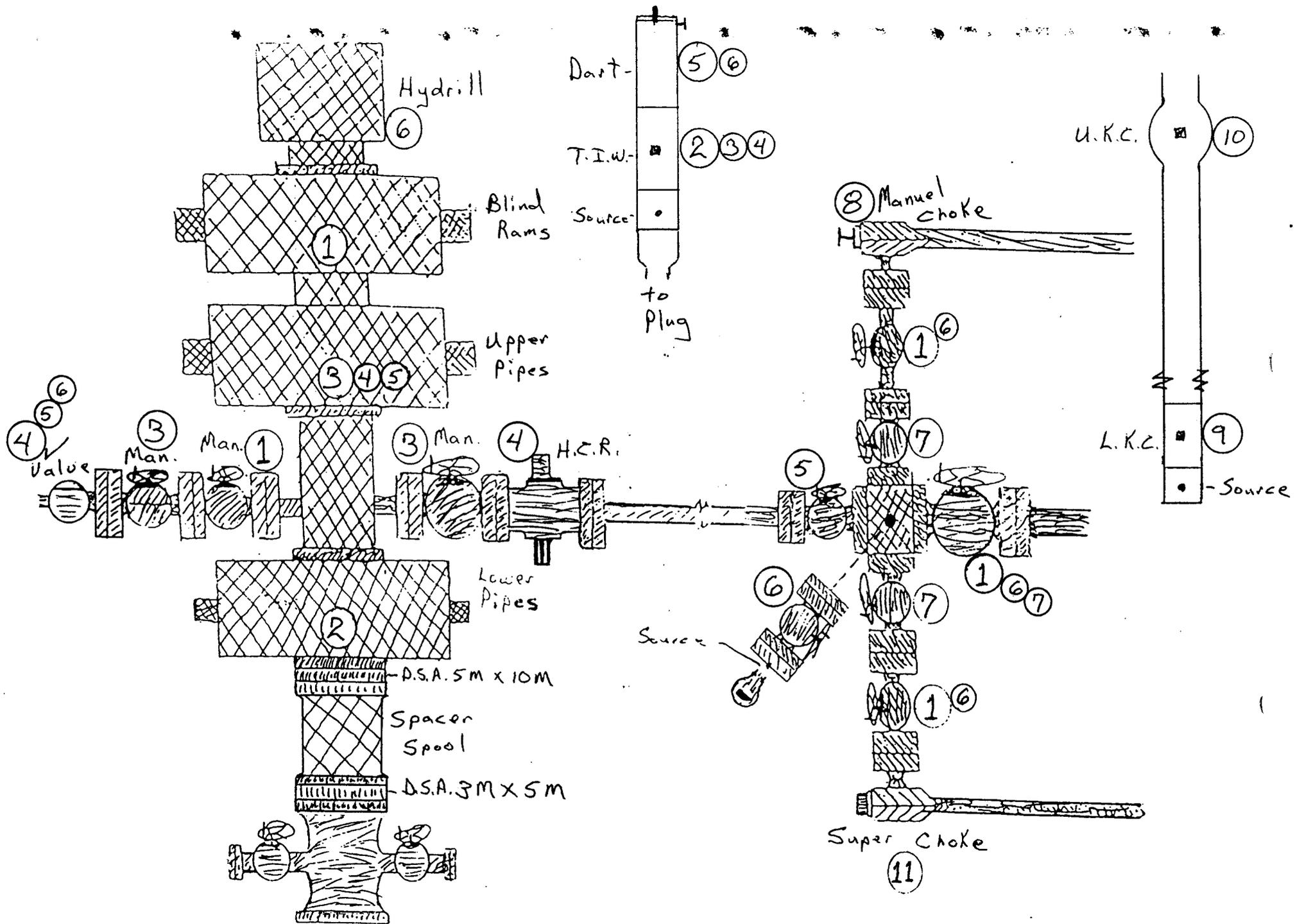
9-13-86

Noble # 116

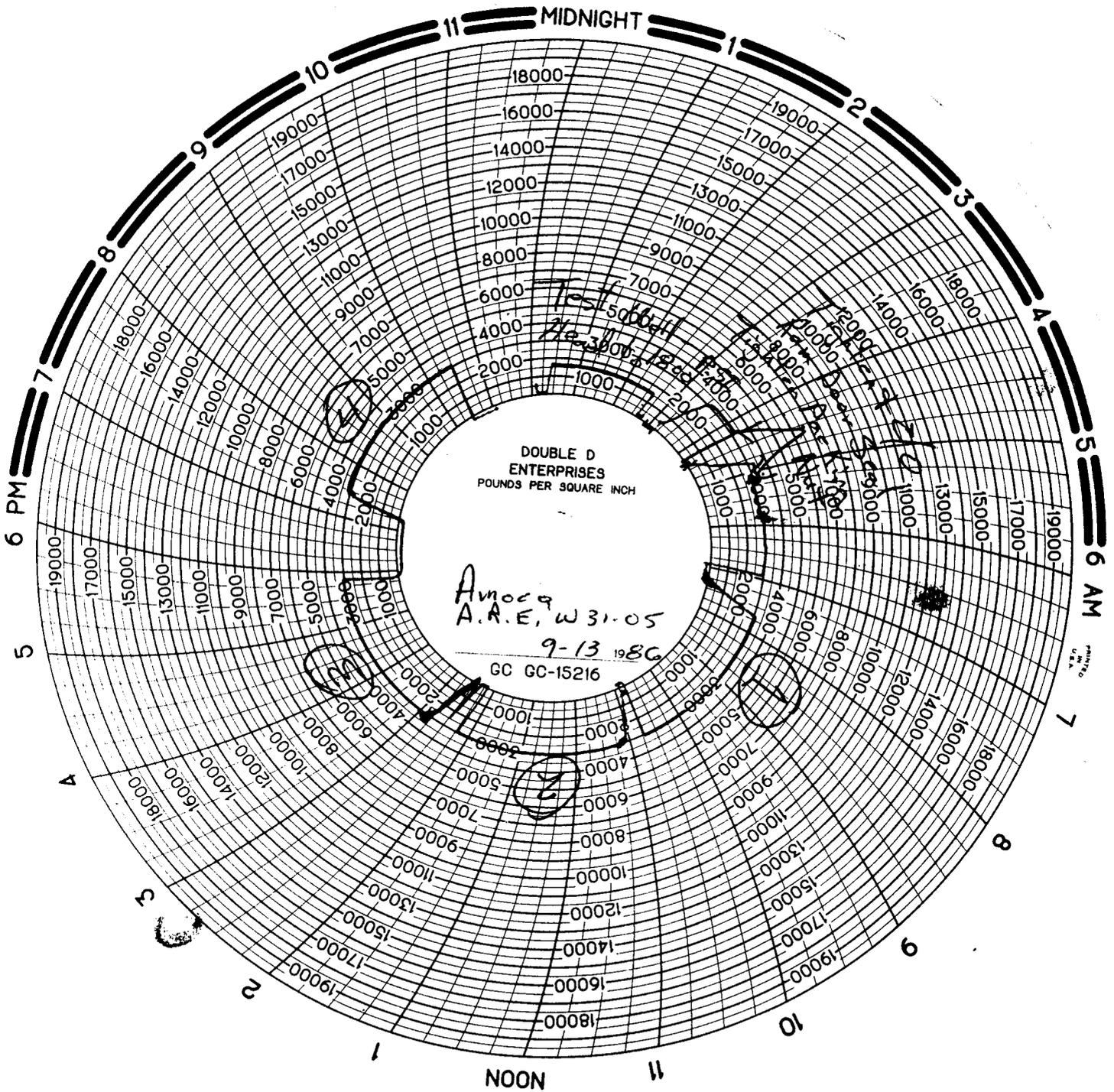
EST# TIME

— — Rig down F/Kelly Tests, Break-out Tie-in
 — — Sub, (Open L.K.E. & U.K.E.)
 — — Load-up Subs & Plug & Rig Back-up to
 — — Choke Manifold to Test Super Choke
 — — Help NL Asme Nipple-up Super Choke, &
 — — Set Remote Panel & Run Lines

(11) 6:05-6:20 3000 P.S.I. - Super Choke
 — — Drain Choke line & Manifold, Set all Valves
 — — Spool-up
 — — Make Out Test Ticket
 — — Travel To Shop
 — — Make Out Test Report



4 1/2" I.F. 12" O.C.T.



DOUBLE D
ENTERPRISES
POUNDS PER SQUARE INCH

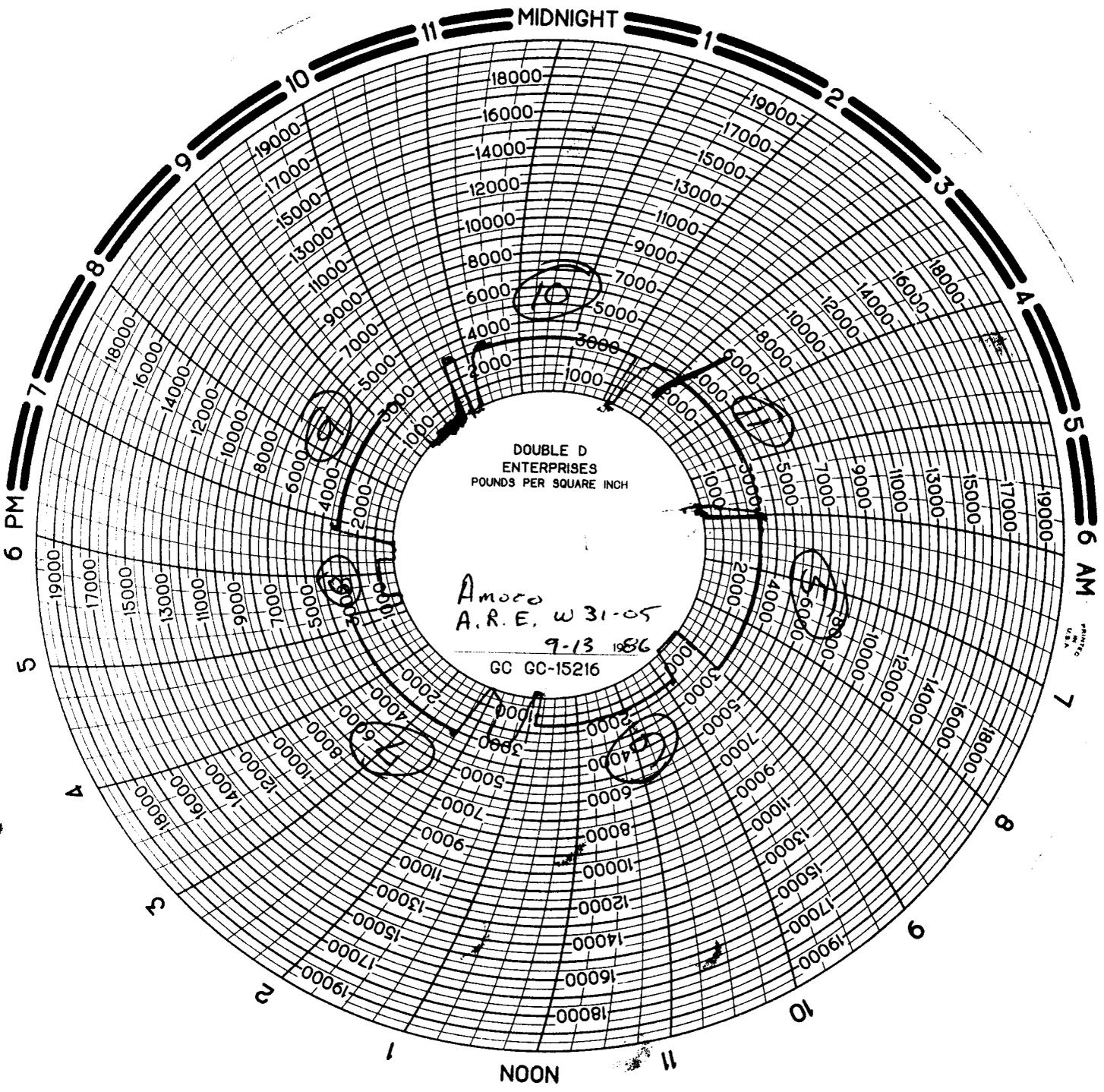
Amocg
A.A.E. W 31-05

9-13 1980

GC GC-15216

Test 500 ball
12000
10000
8000
6000
4000
2000
1000

PRINTED
IN
U.S.A.



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

SUBMIT TRIPLICATE*
(Other instructions on reverse side)

092905

Reg.

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 purposes.)

RECEIVED
SEP 25 1986

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME Anschutz Ranch East	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SENE 282' FEL & 2361' FNL		8. FARM OR LEASE NAME W31-05	
14. PERMIT NO. 43-043-30280		9. WELL NO. W31-05	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8052' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 36, T4N, R7E	
		12. COUNTY OR PARISH Summit	13. STATE Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

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

The 13 3/8"/13 5/8" 61,68,72,88.2# K55, S80, L80, S95, HC95 BTC surface casing was set to a depth of 5061'.

The casing was cemented to surface with 4710 sx of cement.

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

SIGNED [Signature] TITLE STAF FAC ENG SUPV DATE 9-22-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

101520

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.)

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14. PERMIT NO. 43-043-30280		9. WELL NO. W31-05	
15. ELEVATIONS (Show whether SF, RT, GR, etc.) 8025' Graded Ground		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East	
		11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA Sec. 36, T4N, R7E	
		12. COUNTY OR PARISH Summit	13. STATE Utah

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

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

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

Spud Date: 8-9-86

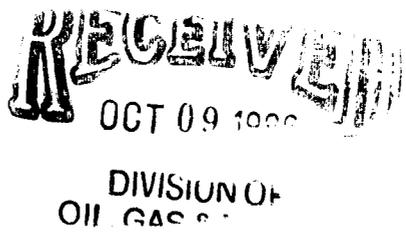
Depth: 8991'

Drilling Contractor: Noble 116

Bit Size: 12.25"

Total Depth: 14,235'

Drilling Ahead



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

SIGNED [Signature] TITLE Stf Fac Eng Supervisor DATE 10-6-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

BLOW OUT PREVENTION TEST

102803

NAME OF COMPANY: AMOCO PRODUCTION COMPANY

WELL NAME: ANSCHUTZ RANCH EAST W31-05

SECTION: SURF: 36 BHL 31 TOWNSHIP 4N RANGE 8E COUNTY: SUMMIT

DRILLING CONTRACTOR: NOBLE

RIG # N-116

BOP TEST: DATE: 10-23-86

TIME: Approx. 4:00 PM

DRILLING: _____

CASING: _____

H₂S: _____

REPORTED BY: John Greener

TELEPHONE NO. 307-789-1700

DATE: 10-23-86 SIGNED AS

DOUBLE "D" ENTERPRISES

110411. *Drfg.*

B.O.P. Test Report

B.O.P. TEST PERFORMED ON (DATE) *October 23, 1986*

OIL CO.: *Amoco*

WELL NAME & NUMBER *A.R.E. W 31-05*

SECTION *23*

TOWNSHIP *4N*

RANGE *8E*

COUNTY *Summit*

DRILLING CONTRACTOR *Noble #116*

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

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

OIL CO. SITE REPRESENTATIVE *Ken*

RIG TOOL PUSHER

TESTED OUT OF *Evanston, Wyoming*

NOTIFIED PRIOR TO TEST:

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

Utah Oil & Gas

B.L.M.

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



DIVISION OF OIL, GAS & MINING

DOUBLE "D" ENTERPRISES, INC.

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

DELIVERY TICKET

No 4451

Date 10-23-86

Operator Amoco Contractor Noble Drlg. Rig No. #116

Ordered by Ken Lease A.R.E. Well No. W 31-05

County Summit Ut. Section 23 Township 4-N Range 8-E

Items Tested:

	Low Test	Time Held	High Test	Time Held	Comments
Top Pipe Rams	-	-	3000	15 min.	O.K.
Bottom Pipe Rams	-	-	3000	15 min.	O.K.
Blind Rams	-	-	3000	15 min.	O.K.
Annular B.O.P.	-	-	1500	15 min.	O.K.
Choke Manifold	-	-	3000	15 min.	O.K.
Choke Line	-	-	3000	15 min.	O.K.
Kill Line	-	-	3000	15 min.	O.K.
Super Choke	-	-	3000	15 min.	O.K.
Upper Kelly	-	-	3000	15 min.	O.K.
Lower Kelly	-	-	3000	15 min.	O.K.
Floor Valve	-	-	3000	15 min.	O.K.
Dart Valve	-	-	3000	15 min.	O.K.

Manual Choke 700 PSI, 5 min. O.K. - Satisfactory check - In Good operating Cond.

Closing Unit Psi 3000 Closing Time of Rams 6 Sec. Closing Time of Hydril 13 sec.

Closed Casing Head Valve Yes Set Wear Sleeve Yes

Comments Set all valves, Fill Choke Manifold w/ Methanol

Grease Valves in Choke Manifold, Flush lines to Flare Pit,

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

TEST #	TIME	DESCRIPTION
		Load out & Travel to location
		Unload Plug & Subs, & Rig-up to Test Choke
		Manifold, While Rig is c/o Bottom Hole Assembly
		Set Values, & Work & Close Super Choke
①	2:15-2:30	3000 P.S.I. - Outside Values Choke Man. & Super Choke
		Switch Values & Open Super Choke
②	2:35-2:50	3000 P.S.I. - 2nd Set Values on Choke Manifold
		Switch Values
③	2:55-3:10	3000 P.S.I. - Inside Values on Choke Manifold
		Switch Values, Close Manuel Choke
④	3:15-3:20	700 P.S.I. Held 5 min. O.K., Manuel Choke Safety ✓ (Manuel Choke in Good operating condition)
		While Waiting on Rig c/o B.H.A. (Grease Values on Choke Manifold & Jet Cellar, & Flush lines to Flare Pit (All clear))
		Pull Wear Bushing, Set Plug, Fill B.O.P.'s, Drop Die,
⑤	5:30-5:45	3000 P.S.I. - Blind Rams, 1st Manuel Valve Kill line, & Inside Values Choke Manifold,
		Up It. A.P. & Make-up Circ. Sub, T.I.W. Valve, Dart Valve, & Screw into Plug.
⑥	6:05-6:20	3000 P.S.I. - Lower Pipe Rams, & T.I.W. Valve.
		Switch Values & Rams
⑦	6:30-6:45	3000 P.S.I. - Upper Pipe Rams, 2nd Manuel Valve Kill line & Manuel Valve Choke line, T.I.W.
		Switch Values, Work & Close H.C.R.
⑧	6:50-7:05	3000 P.S.I. - Upper Pipe Rams, ✓ Valve Kill line, & H.C.R. Valve, T.I.W.
		Switch Values
⑨	7:10-7:25	3000 P.S.I. - Upper Pipe Rams, Manuel Valve Before Choke Manifold, Dart Valve, ✓ Valve
		Switch Values, Work & Close Hydrill
⑩	7:40-7:55	1500 P.S.I. - Hydrill, Riser Valve Choke Manifold, & Check & Dart Valves,
		Pull Plug, Drain B.O.P.'s, Kill Choke Lines & Manifold
		Set Wear Bushing, Close Casing Head Valve

(Next Page)

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

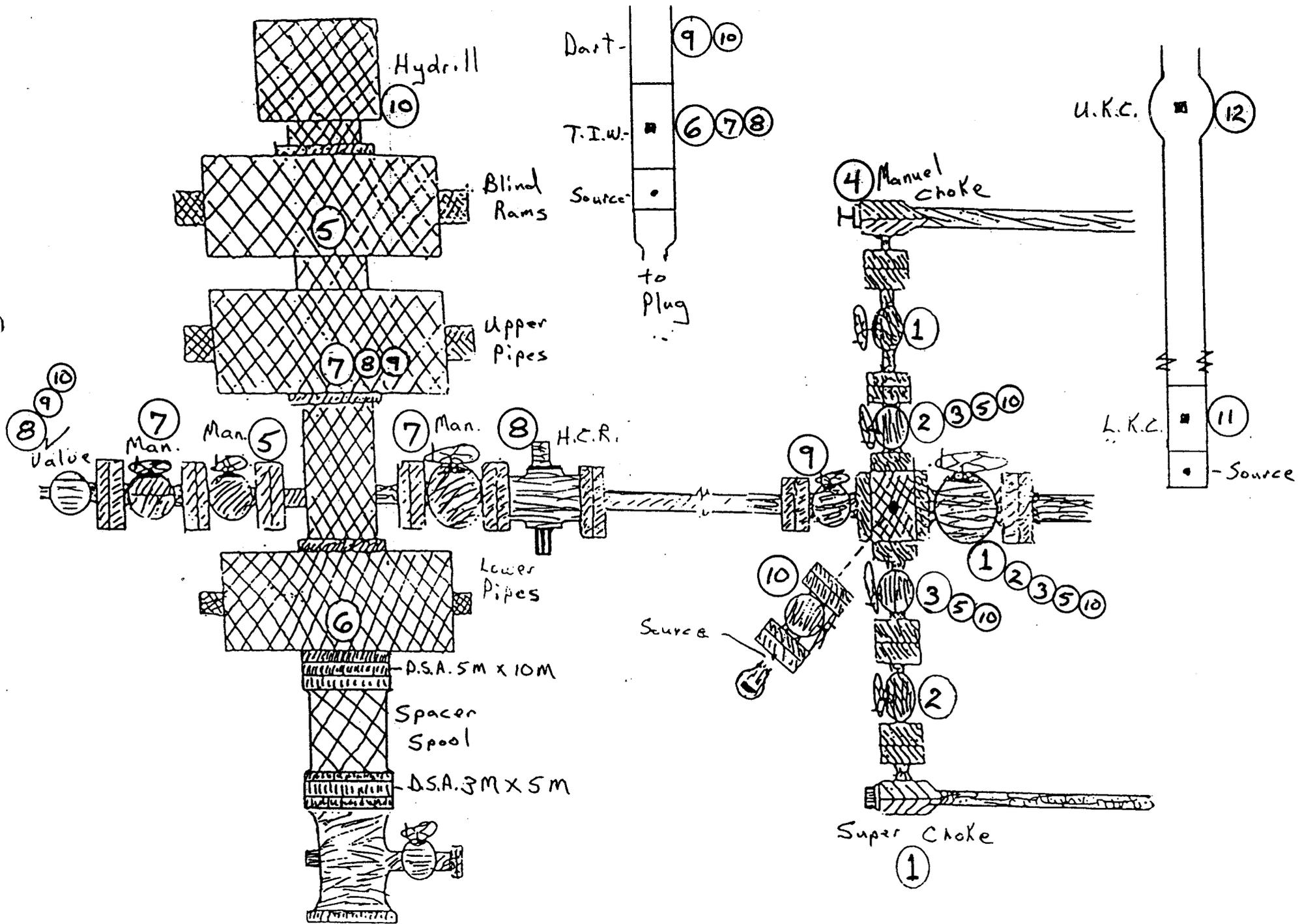
Amoco

A.R.E. W 31-05

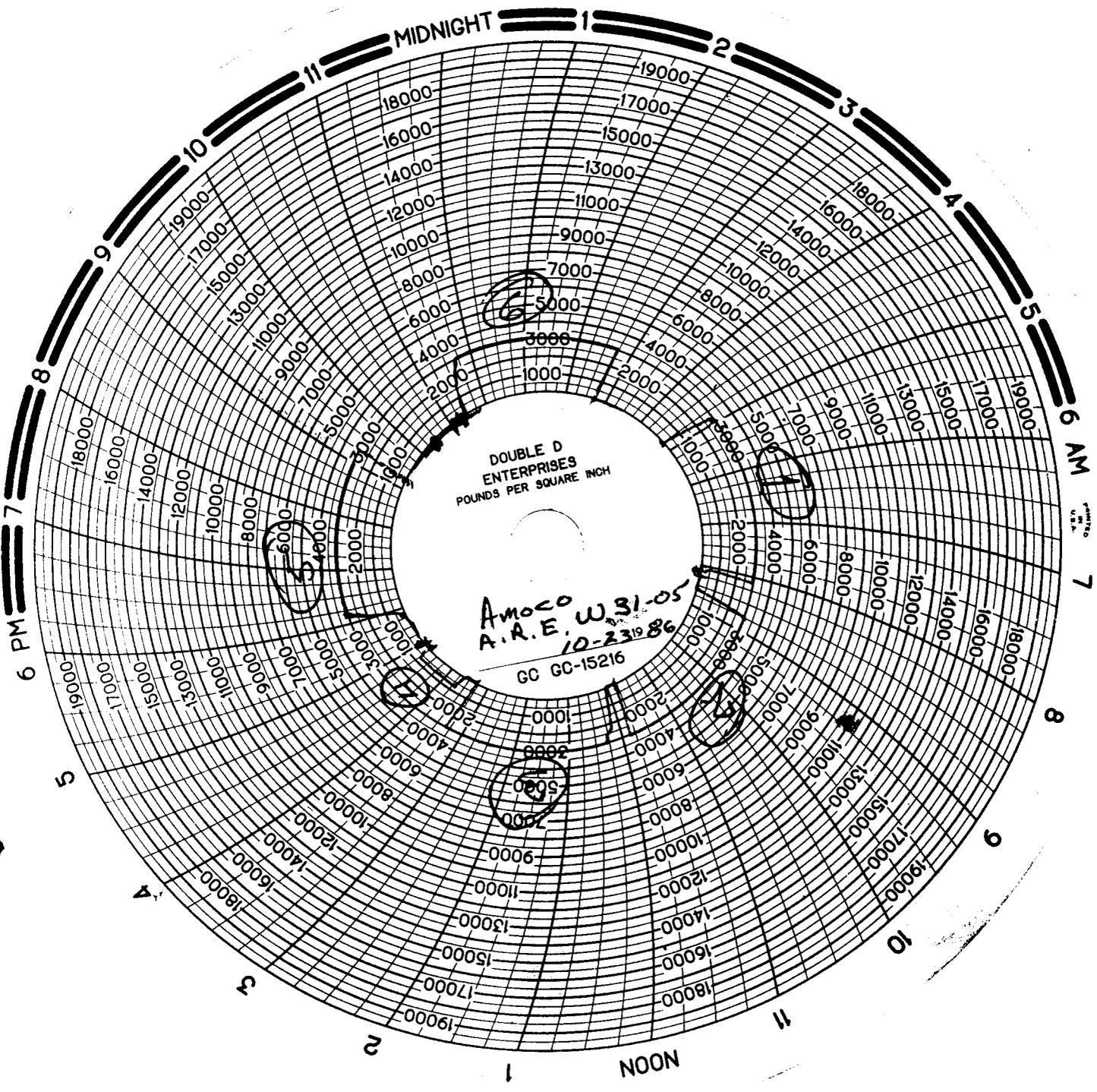
10-23-86

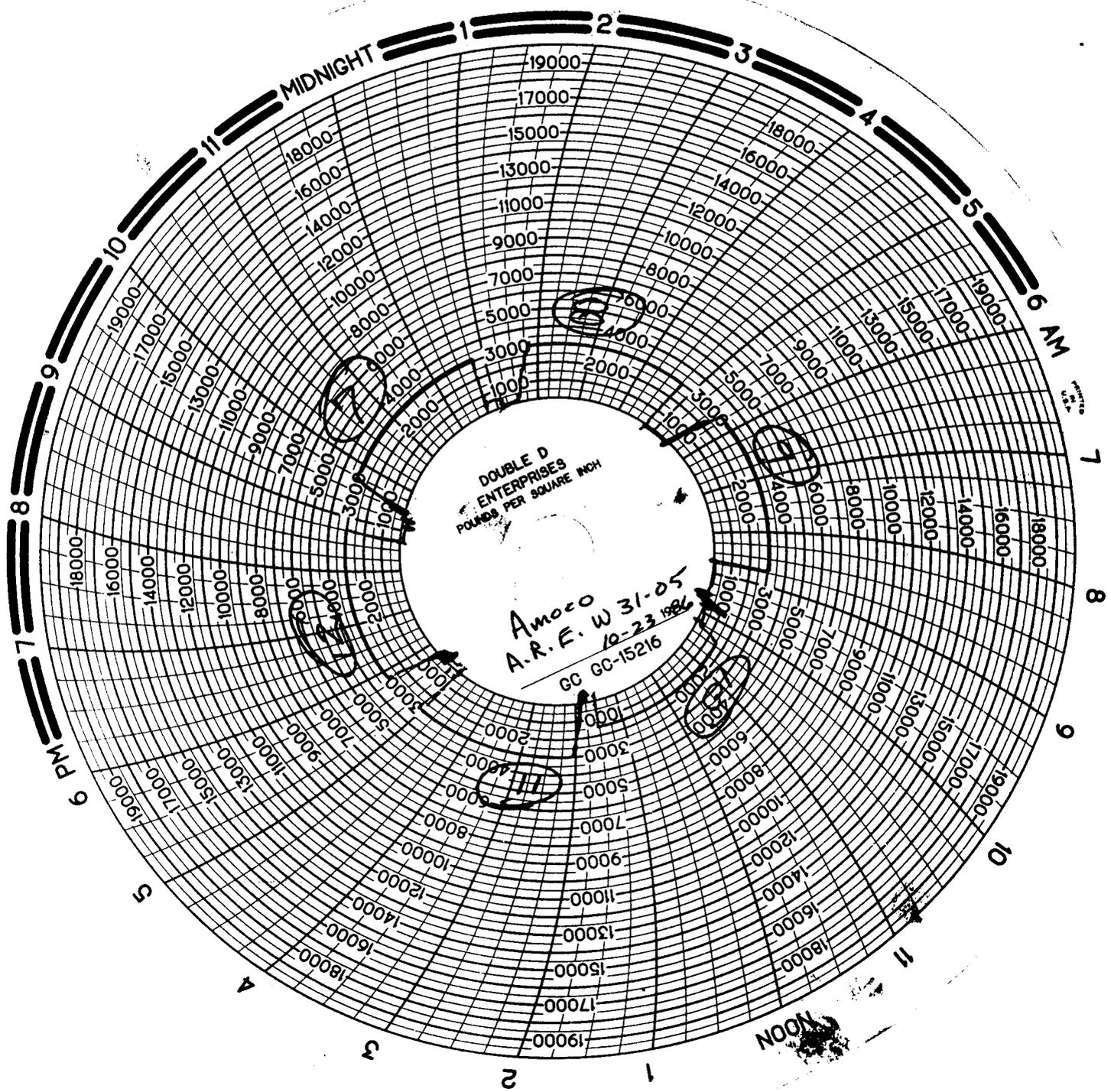
Noble # 116

TEST #	TIME	
		Pick-up Kelly, Break-out Combination K.S.S.
		& Float Valves & Rig to Test Kelly
Test ⑪	9:20-9:35	3000 P.S.I. - Lower Kelly Cock
		open U.K.C. & Fill Kelly to test U.K.C.
T ⑫	9:40-9:55	3000 P.S.I. - Upper Kelly Cock
		Rig down F/Kelly Test, Break-out Sub's
		Fill Choke Line & Manifold w/ Methanol
		Set All Valves, Spool up & lead out,
		Make Out Test Ticket
		Travel to Shop
		Make Out Test Report



4 1/2" I.F. 12" O.C.T.





DOUBLE D
ENTERPRISES
POUNDS PER SQUARE INCH

Amoco
A.R.E. W 31-05
GC GC-15216

BLOW OUT PREVENTION TEST

NAME OF COMPANY: AMOCO

WELL NAME: ANSCHUTZ RANCH EAST 31-05

SECTION: 36 TOWNSHIP 4N RANGE 7E COUNTY: Summit

DRILLING CONTRACTOR: _____

RIG # _____

BOP TEST: DATE: 11-12-86

TIME: Approx. 3:00

DRILLING: _____

CASING: _____

H₂S: _____

REPORTED BY: _____

TELEPHONE NO. _____

DATE: 11-13-86 SIGNED _____ AS _____

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

SUBMIT TRIPLICATE*
(Other instructions on reverse side)

120113

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. Fee
1. 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		7. UNIT AGREEMENT NAME Anschutz Ranch East
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		8. FARM OR LEASE NAME W31-05
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SENE 282' FEL & 2361' FNL		9. WELL NO. W31-05
14. PERMIT NO. 43-043-30280		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East
15. ELEVATIONS (Show whether DP, ST, GR, etc.) 8025' GR		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36, T4N, R7E
		12. COUNTY OR PARISH 13. STATE Summit Utah

AN 3531
43043 30280
dilig (SWNW)

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

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

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

Spud Date: 8-9-86
 Depth: 12,976'
 Drilling Contractor: Noble 116
 Bit Size: 8.500 in
 Total Depth: 14,235'
 Drilling Ahead

RECEIVED
 NOV 24 1986
 DIVISION OF
 OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
 SIGNED Louis J. Boyce TITLE Administrative Supervisor DATE 11-21-86
 (This space for Federal or State Office use)

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

*See Instructions on Reverse Side

Utah

DOUBLE "D" ENTERPRISES



B.O.P. Test Report

DIVISION OF
OIL, GAS & MINING

120137

B.O.P. TEST PERFORMED ON (DATE) November 12, 1986

OIL CO.: Amoco

WELL NAME & NUMBER A.R.E. W 31-05

SECTION ~~23~~ 36

TOWNSHIP 4N

RANGE ~~6E~~ 7E

COUNTY Summit

DRILLING CONTRACTOR Noble #116

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

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

OIL CO. SITE REPRESENTATIVE Ken

RIG TOOL PUSHER Murray

TESTED OUT OF Evanston, Wyoming

NOTIFIED PRIOR TO TEST:

COPIES OF THIS TEST REPORT SENT COPIES TO: Site Representative

Utah Oil & Gas

B.L.M.

ORIGINAL CHART & TEST REPORT ON FILE AT: Evanston OFFICE

DOUBLE "D" ENTERPRISES, INC.

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

DELIVERY TICKET

N^o 4453

Date Nov. 12, 1986

Operator Amoco Contractor Noble Dalg. Rig No. #116

Ordered By Joe Lease A.R.E. Well No. # W 31-05

County Summit, Ut. Section 23 Township 4 N Range 8 E

Items Tested:

	Low Test	Time Held	High Test	Time Held	Comments
Top Pipe Rams	—	—	5000	15 min.	O.K.
Bottom Pipe Rams	—	—	5000	15 min.	O.K.
Blind Rams	—	—	5000	15 min.	O.K.
Annular B.O.P.	—	—	3500	15 min.	O.K.
Choke Manifold	—	—	5000	15 min.	O.K.
Choke Line	—	—	5000	15 min.	O.K.
Kill Line	—	—	5000	15 min.	O.K.
Super Choke	—	—	5000	15 min.	O.K.
Upper Kelly	—	—	5000	15 min.	O.K.
Lower Kelly	—	—	5000	15 min.	O.K.
Floor Valve	—	—	5000	15 min.	O.K.
Dart Valve	—	—	5000	15 min.	O.K.

Manual Choke 900 P.S.I. - 5 min. - O.K. Safety Check, In Good operating Cond.

Closing Unit Psi 3000 Closing Time of Rams 6 sec. Closing Time of Hydril 13 sec.

Closed Casing Head Valve Yes Set Wear Sleeve Yes

Comments Fill Choke Line & Manifold w/ Methanol
Set all Valves.

Date:

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

Amoco

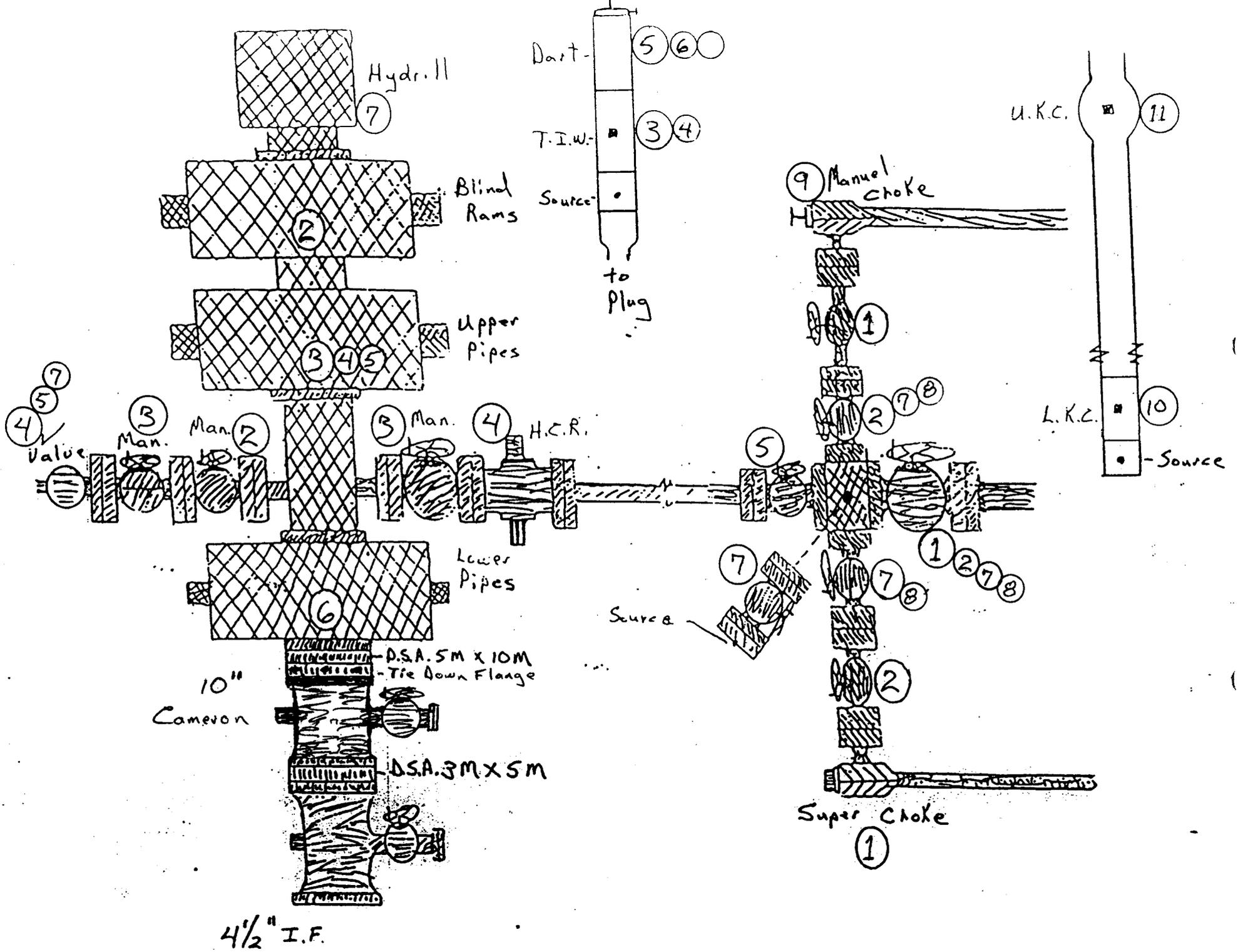
A.R.E. W 31-05

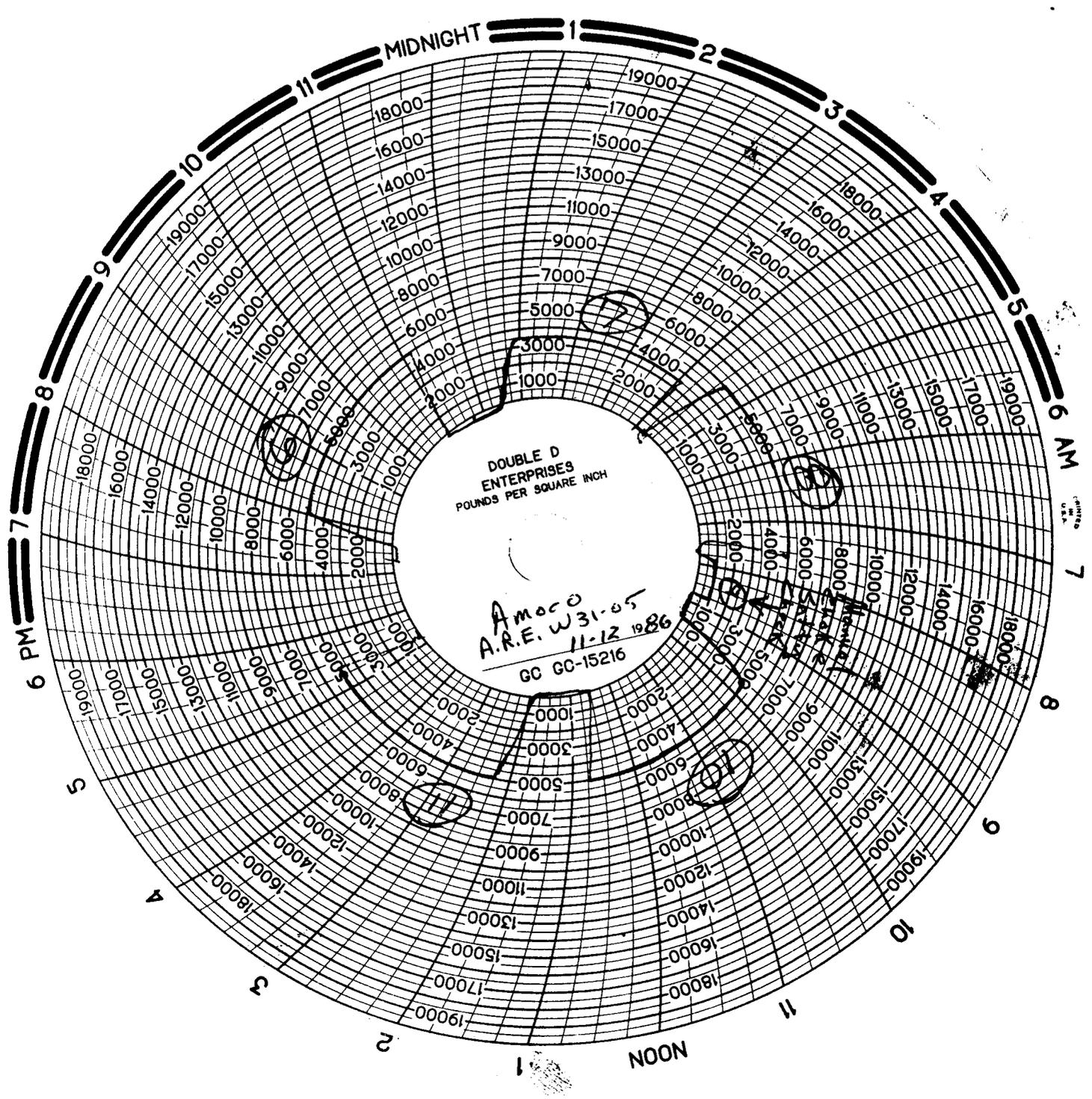
11-12-86

Noble # 116

TEST# TIME

TEST#	TIME	
		Finish Nipple-up & Hook-up Kooamey lines, Set
		Mouse Hole, Rig to Test Choke Manifold
①	4:10-4:25	5000 P.S.I. - Outside Valves on Choke Manifold & Super Choke.
		While Testing Choke Man., Set Plug, Work & Close Blind Ram.
②	4:40-4:55	Attempt Test #2 (No Go) - Tighten Packing Nuts on Tie down Flange 5000 P.S.I. - Blind Rams, 1st Manual Valve Kill line, & 2nd set Valves on Choke Manifold.
		While Testing Blinds, Makeup on up It. Circ. Sub, T.I.W. & Dart.
③	5:10-5:25	Pick-up up It., Screw into Plug, Work & Close Pipe Rams. 5000 P.S.I. - Upper Pipe Rams, 2nd Manual Valve Kill line, & Manual Valve on Choke Line, T.I.W. Valve
		Switch Valves
④	5:30-5:45	5000 P.S.I. - Upper Pipe Rams, Check Valve Kill line, & H.C.R. Valve, T.I.W. Valve.
		Switch Valves
⑤	5:50-6:05	5000 P.S.I. - Upper Pipe Rams, Check Valve Kill line, & Manual Valve Before Choke Manifold, Dart Valve
		Switch Rams
⑥	6:10-6:25	5000 P.S.I. - Lower Pipe Rams, Dart Valve
		Switch Valves, Work & Close Hydrill.
⑦	6:35-6:50	3500 P.S.I. - Hydrill, Check Valve Kill line, & Riser, Inside Valves on Choke Manifold, Dart
		Pull Plug, Drain B.O.P.'s, Kill line, Set Wear
		Bushing, Close Casing Head Valve.
⑧	7:20-7:35	5000 P.S.I. - Inside Valves on Choke Manifold.
		Switch Valves
⑨	7:40-7:45	900 P.S.I. 5min, Manual Choke O.K. (In good operating condition)
		w/Testing Choke Man, Ready Kelly F/Testing, Switch Sources:
⑩	7:55-8:10	5000 P.S.I. - Lower Kelly Cack.
		open L.K.C. & Fill Kelly to test U.K.C.
⑪	8:15-8:30	5000 P.S.I. - Upper Kelly Cack.
		Rig down & Break out Subs,
		Drain, Then Fill Choke Manifold w/ Methanol
		Spool-up & Load-out
		Make out Test Ticket & Travel to Shop
		Make out Test Report.





DOUBLE D
ENTERPRISES
POUNDS PER SQUARE INCH

Amoco
A.R.E. W31-05
11-12-1986
GC GC-15216

AMERICAN
U.S.A.



Amoco Production Company

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

N. E. Spencer
District Manager

December 9, 1986

See Attached List

File: RMR-827-603.211/WF

Injection Well Application
ARE W31-05
Anschutz Ranch East
Summit County, Utah

As provided for in Rule 501-b of the State of Utah, Division of Oil, Gas and Mining underground injection regulations, all operators or owners and surface owners within a one-half mile radius of a new injection well must be provided a copy of the application for injection. Attached for your review is the application for injection for the ARE W31-05 well.

If there are any questions or comments, please contact Bruce Leggett at (307) 789-1700 ext. 2318.

N. E. Spencer

NES/RBL/kg

Attachments

CAUSE NO. UIC-072
BEFORE THE DIVISIONS OF
OIL, GAS AND MINING
DEPARTMENT OF NATURAL
RESOURCES

STATE OF UTAH
IN THE MATTER OF THE AP-
PLICATION OF ROONEY OP-
ERATING COMPANY FOR AD-
MINISTRATIVE APPROVAL
TO CONVERT THE VICTOR
BROWN FEE NO. 1 WELL, LO-
CATED IN SECTION 3, TOWN-
SHIP 1 SOUTH, RANGE 2
WEST, U.S.M., DUCHESE
COUNTY, UTAH TO A SALT-
WATER DISPOSAL WELL.

THE STATE OF UTAH TO
ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MAT-
TER.
Notice is hereby given that
Rooney Operating Company,
9745 East Hampden Avenue,
Suite 220, Denver, Colorado
80231 has requested adminis-
trative approval from the Divi-
sion to convert the following
well to a saltwater disposal
well:

*3/17/87
Tribune*

Victor Brown Fee #1 Well, Sec-
tion 3, Township 1, South,
Range 2 West, U.S.M., Du-
chesne County, Utah
INJECTION INTERVAL: Uinta
Formation 4400' to 5000'
MAXIMUM SURFACE PRES-
SURE: 1500 psig
MAXIMUM WATER INJEC-
TION RATE: 6000 BWPD

Approval of this application
will be granted unless objec-
tions are filed with the Division
of Oil, Gas and Mining within fif-
teen days after publication of
this Notice. Objections, if any,
should be mailed to the Division
of Oil, Gas and Mining, Atten-
tion: UIC Program Manager, 3
Triad Center, Suite 350, 355
West North Temple, Salt Lake
City, Utah 84180-1203.

DATED this 10th day of
March, 1987.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. ANDERSON
Administrative Assistant

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

SUBM IN TRIPLICATE*
(Instructions on reverse side)

122410

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Gas Injection Well		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 299' FEL & 2338' FNL		8. FARM OR LEASE NAME W31-05
14. PERMIT NO. 43-043-30280		9. WELL NO. W31-05
15. ELEVATIONS (Show whether SP, RT, OR, etc.) 8025' GL 8051' KB		10. FIELD AND POOL, OR WILDCAT Nugget
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 36, T4N, R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

DEC 15 1986
DIVISION OF OIL, GAS & 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 checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(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.) *

The Anschutz Ranch East W31-05 well was drilled as an injection well and reached total depth on 11/30/86. The well will be perforated w/tubing-conveyed scalloped guns @ 4 JSPF, 90 degrees phasing and 22 gun charges over the following intervals in the Nugget:

13,070' - 13,156'	13,654' - 13,672'
13,170' - 13,244'	13,686' - 13,722'
13,260' - 13,292'	13,731' - 13,738'
13,310' - 13,328'	13,760' - 13,822'
13,342' - 13,398'	13,869' - 13,876'
13,412' - 13,472'	13,882' - 13,901'
13,486' - 13,534'	13,938' - 13,965'
13,540' - 13,554'	14,030' - 14,051'
13,577' - 13,650'	14,116' - 14,124'

A State completion form will be submitted once the well is completed and ready for injection. Injection will not commence prior to receiving approval from your office. This work was discussed between Arlene Sollis of your office and Bruce Leggett of Amoco on 12/9/86 @ 1:30 p.m. Work should begin 12/12/86.

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

SIGNED Kenn E. Proter TITLE SRSTFPTR ENGSUP DATE 12-11-86

(This space for Federal or State office use)

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

*See Instructions on Reverse Side DATE: 12-23-86 BY: John R. Bay

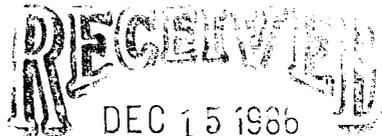


Amoco Production Company

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

N. E. Spencer
District Manager

December 9, 1986



State of 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

Attn: Dr. Dianne R. Nielson

File: RMR-828-588/WF

Injection Well Application
ARE W31-05
Anschutz Ranch East
Summit County, Utah

The following application is submitted by Amoco Production Co. for one (1) Underground Injection Control Class II well in the Anschutz Ranch East Unit (Plan of Operations approved at State Hearing, November 30, 1982, Cause No. 183-11). It is requested that this application be given administrative approval. The Anschutz Ranch East W31-05 will make a total of nineteen wells 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 W31-05 well.

Amoco Production Company has reviewed Section V, Underground Injection Control Recovery Operations and Class II Injection wells. All data requested by Rules 501, 502 and 503 have been submitted under this letter. Amoco recommends an alternative to Rule 505 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 during February, 1985, to establish the parting pressure of the Nugget formation. Amoco will ensure that injection pressures are less than that parting pressure.

A copy of the cement bond log to ensure injection zone isolation will be forwarded to your office at the time the well is completed and the log is run.

Please direct any questions to Bruce Leggett in the Evanston District office at (307) 789-1700 ext. 2318.

A handwritten signature in black ink, appearing to read "N. E. Spencer". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

N. E. Spencer

NES/RBL/kg

Attachments

UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR AMOCO WELL NUMBER W31-05

Surf. SEC. 36 T. 4N R. 7E COUNTY Summit
 BHL. Sec. 31 T. 4N R. 8E

API # 43-043-30280

NEW WELL DISPOSAL WELL ENHANCED RECOVERY WELL

- | | | |
|--|---|--|
| - Plat showing surface ownership | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| - Application forms complete | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| - Schematic of well bore | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| - Adequate geologic information | Yes <input checked="" type="checkbox"/> | No <input checked="" type="checkbox"/> |
| - Rate and Pressure information ^{6100 psi} _{80 mmscfd} | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| - Fluid source | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| - Analysis of formation fluid | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| - Analysis of injection fluid | * Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| - USDW information | Yes <u>~3000</u> | No <input checked="" type="checkbox"/> |
| - Mechanical integrity test | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

Comments: Requested BHL + CBL on 12/15/86 from Bruce Leggett

Plan of operations approved under Cause No. 183-11

* 65% hydrocarbon gas / 35% nitrogen

of wells in 1/2 mile radius review: 5 4 - Producing
1 - Injecting

Reviewed by Dorothy Swindol 12/16/86

RECEIVED
DEC 15 1986
31338-534

DIVISION OF
OIL, GAS & MINING

APPLICATION FOR INJECTION WELL

Operator: AMOCO PRODUCTION COMPANY Telephone: (307) 789-1700

Address: P. O. BOX 829

City: EVANSTON State: WY Zip: 82930

Well no.: W31-05 Field or Unit name: Anschutz Ranch East

Sec.: 36 Twp.: 4N Rng.: 7E County: Summit Lease no. _____

	<u>YES</u>	<u>NO</u>
Is this application for expansion of an existing project?.....	<u>X</u>	_____
Will the proposed well be used for: Enhanced recovery?.....	<u>X</u>	_____
Disposal?.....	_____	<u>X</u>
Storage?.....	_____	<u>X</u>
Is this application for a new well to be drilled?.....	<u>X</u>	_____
Has a casing test been performed for an existing well?.....	_____	<u>X</u>
(If yes, date of test: _____)		

Injection interval: from 13,070' to 14,124'

Maximum injection: rate 80 MMCFD pressure 6100 psig

Injection zone contains _____ oil, X gas or _____ fresh water within 1/2 mile.

Additional information as required by Rule 502 should accompany this form.

I hereby certify that the foregoing is true and correct to the best of my knowledge:

Signed: *J.E. Spencer* Title: District Manager Date: 12-9-86

(This space for DOGM approval)

Approved by: _____ Title: _____ Date: _____

LIST OF ATTACHMENTS

MAP

SURFACE OWNERS

INJECTION

INJECTION OPERATING DATA

ARE MIXING STATION

WELLHEAD SCHEMATIC

FORMATION PRESSURE TESTING

PRESSURE TESTING

INDIVIDUAL WELL DATA

Wells within $\frac{1}{2}$ mile radius of surface location:

W 31-06 PRODUCING

W31-04 PRODUCING

W31-12 PRODUCING

W36-08 INJECTION

W36-16 PRODUCING

Wells within $\frac{1}{2}$ mile radius of bottom-hole location: (surface or BHL)

W31-06

W31-04

W31-12

W36-08

W36-16

12-16-86 11:30am

Information from Bruce Leggett (Amoco):

BHL : 2732 FNL , 1158 FWL
Sec. 31-T4N-R8E

Top of Producing Interval : 2389 FNL, 708 FWL
Sec. 31-T4N-R8E

Top of Nugget : 13,042' MVD
12,950' TVD

Bottom of Nugget : 14,138 MVD
13,913 TVD

Operator

Amoco

Well

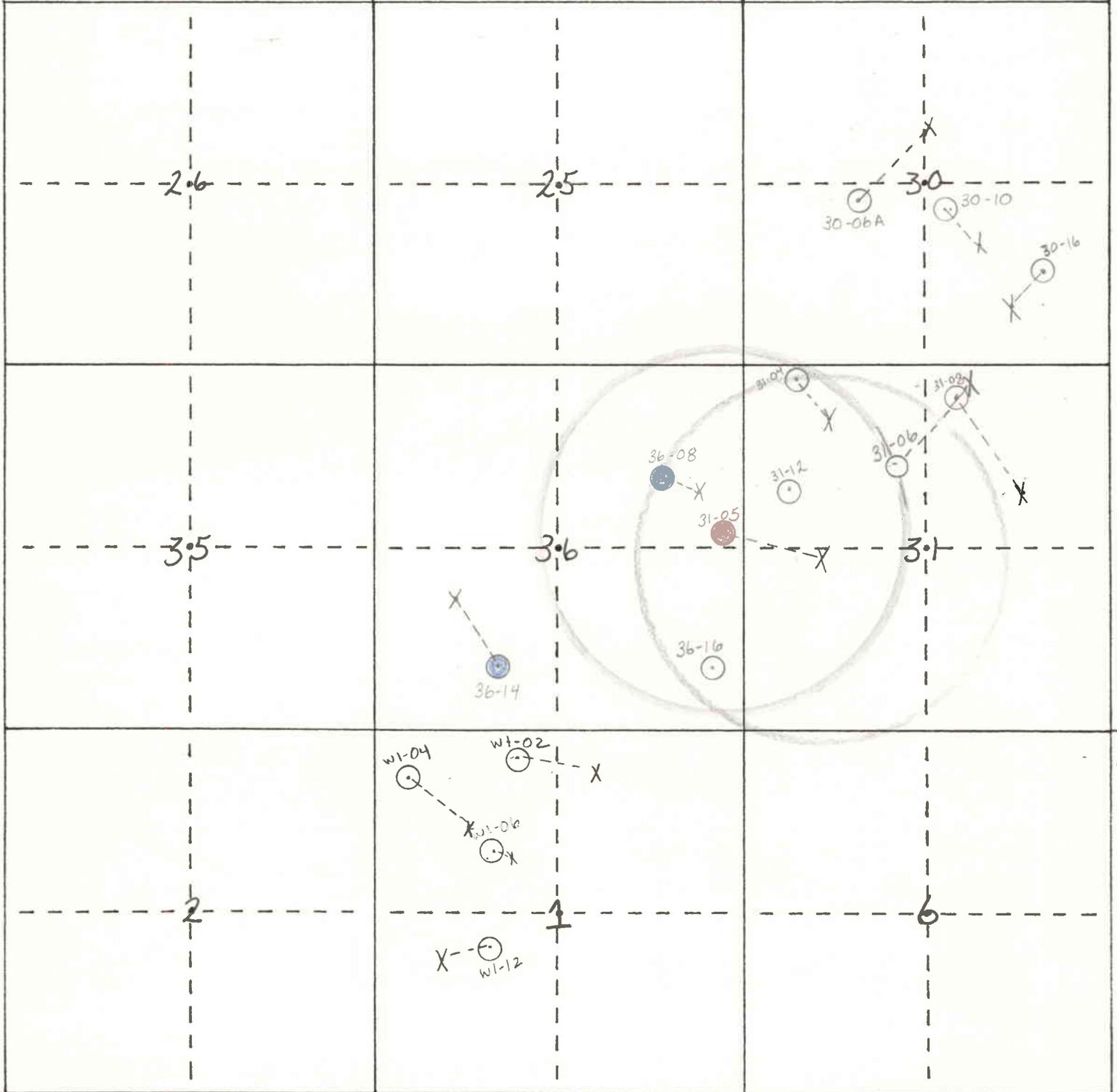
W 31-05

Location

Surface : 36-4N-7E 282 FEL, 2361 FNL

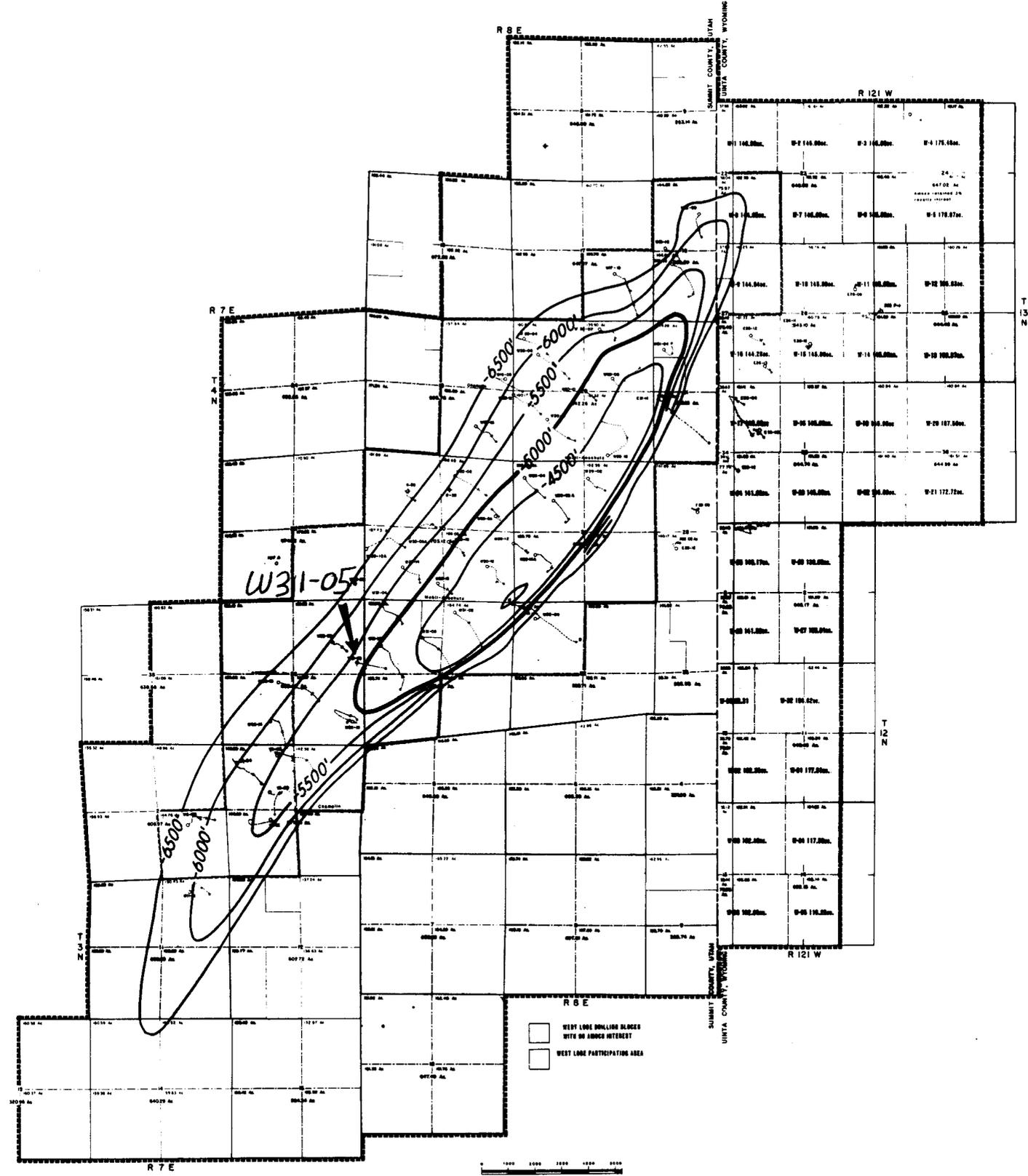
BHL : 31-4N-8E 2732 FNL, 1158 FWL

7E | 8E



4N

3N



Amoco Production Company
SERVES DESIGN

ANSCHUTZ RANCH EAST
Eschell Dr., Salt Lake Co., Utah

TOP OF NUGGET STRUCTURE
C.I. = 500'

10/14/86

ANSCHUTZ RANCH EAST

Surface Owners Within One-Half Mile of the W31-05 Injection Well *

<u>WELL</u>	<u>TYPE</u>	<u>SURFACE OWNERS</u>
W31-04	Producing	Anschutz - Sec. 31
W31-06	Producing	Anschutz - Sec. 31
W31-12	Producing	Anschutz - Sec. 31
W36-08	Injecting	Anschutz - Sec. 36
W36-16	Producing	Anschutz - Sec. 36

*Amoco operates all the wells in the field.

As matter of standard operating procedure, Amoco ensures (by CBL) that sufficient cement is in place at the top of the Nugget formation to provide isolation between the Nugget and Twin Creek formations.

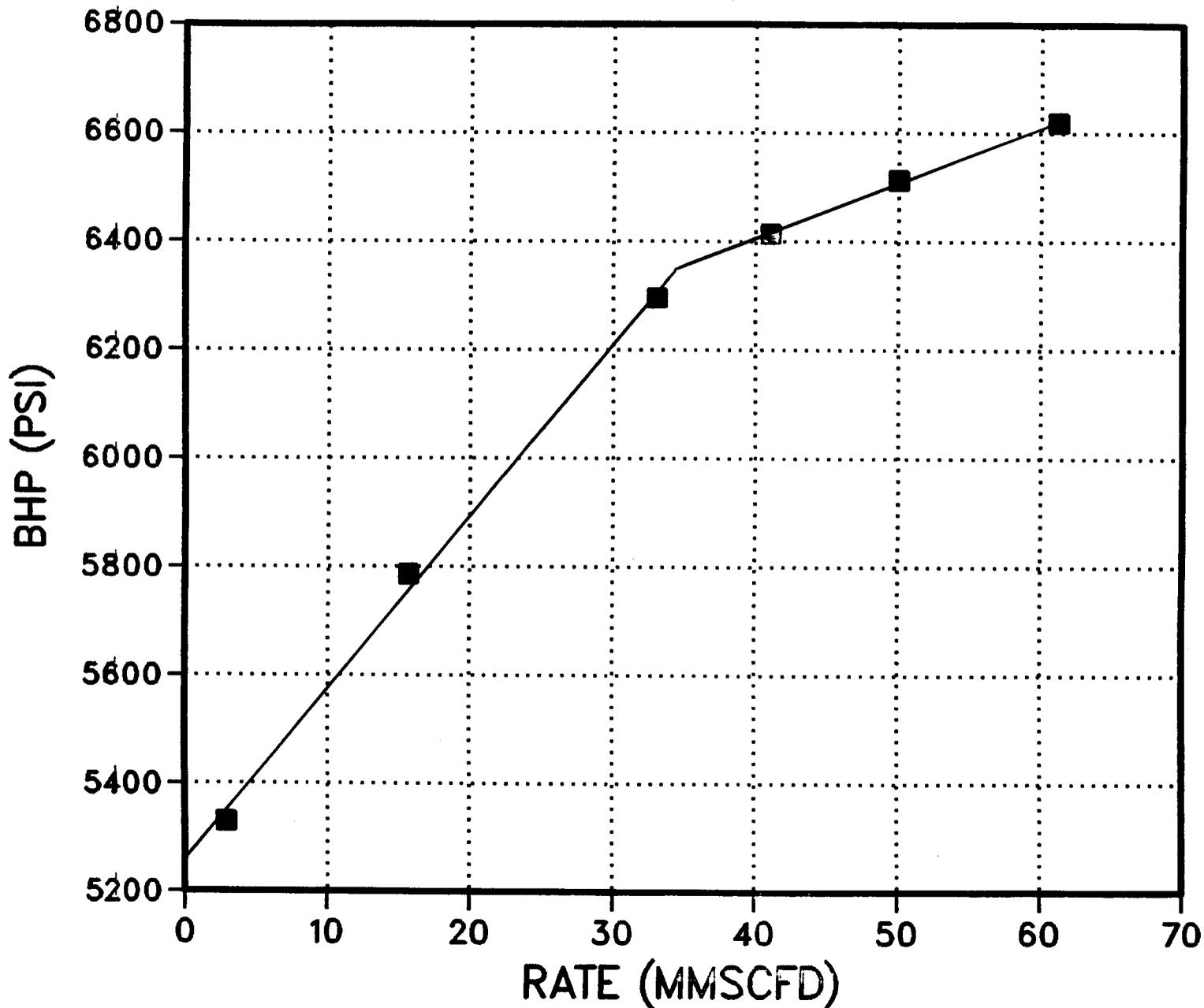
INJECTION

Maximum injection rate - 80 MMSCFD
Maximum surface pressure - 6100 psi
Injection fluid - 65% hydrocarbon gas/35% nitrogen

A step rate test was conducted during February, 1985 on the ARE 20-14 injection well in the Nugget formation. One hundred percent nitrogen was used for the test. Injection rates started at 3 MMSCFD at a wellhead pressure of 3760 psi (BHP = 5329 psi) and were increased to a final rate of 60.5 MMSCFD at a wellhead pressure of 5552 psi (BHP = 6616 psi). A cartesian plot of injection rate versus bottom-hole pressure shows that the Nugget formation did part at a pressure and rate less than that requested for W19-08. However, the parting pressure and rate vary between wells based upon the depth and perforated pay quality. The data on the W20-14 and previous step rate data show the fracture gradient in the Nugget Formation to be .51 psi/ft. Other injection wells do have higher injection rates and pressures and are not fracturing based upon the .51 psi gradient.

We do not expect to reach the parting pressure with the requested 6100 psi surface pressure and 80 MMSCFD rate because of the pressure losses caused by the transferral of the gas to the formation face. Amoco will collect data to ensure the W31-05 injection pressures are less than the parting pressure.

ANSCHUTZ RANCH EAST W20-14 STEP RATE TEST FEBRUARY, 1985



**PRESSURE BOMBS
SET AT 12,400' MD**

BHP (PSI)	RATE (MMSCFD)
5329	2.9
5786	15.7
6296	33.1
6414	41.1
6514	50.0
6620	61.2

ZVEP0102 12/18/86 10:37:19 C.D.T. HAS THE ORIGIN

Injection Operating Data

ARE Injection Wells

Design injection press = 6100 psi
Design injection rate = 450 MMSCFD total

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

1. Max of 35% N₂ (excess is vented to atmosphere)
2. Max injection pressure of 6100 psi (vent N₂ to atmosphere to control press.) through a vent valve at the mixing station.

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

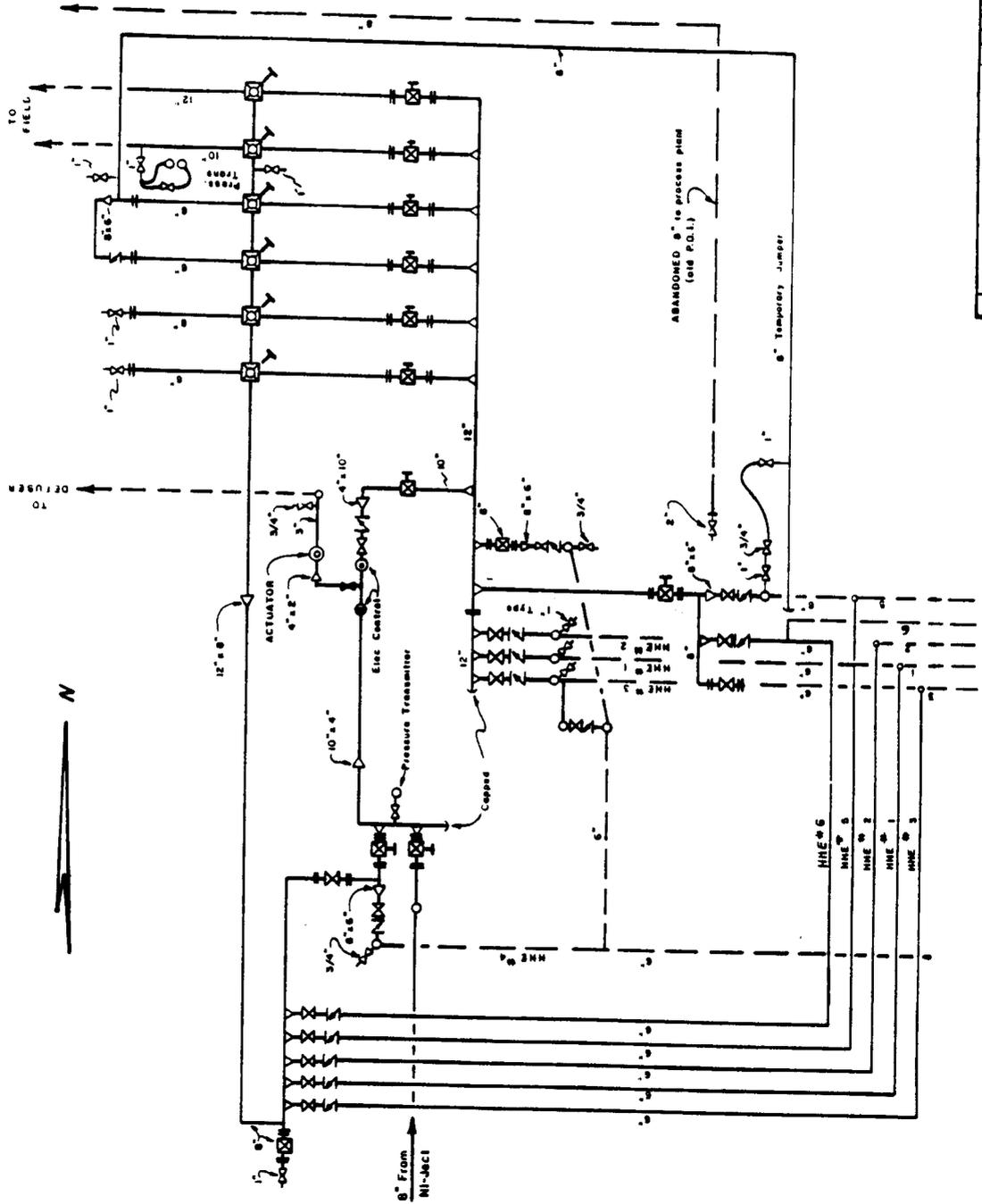
1. High pressure, high temperature shutdown switches.
2. Pressure relief valve (6200 psi)

Wellhead Safety equipment:

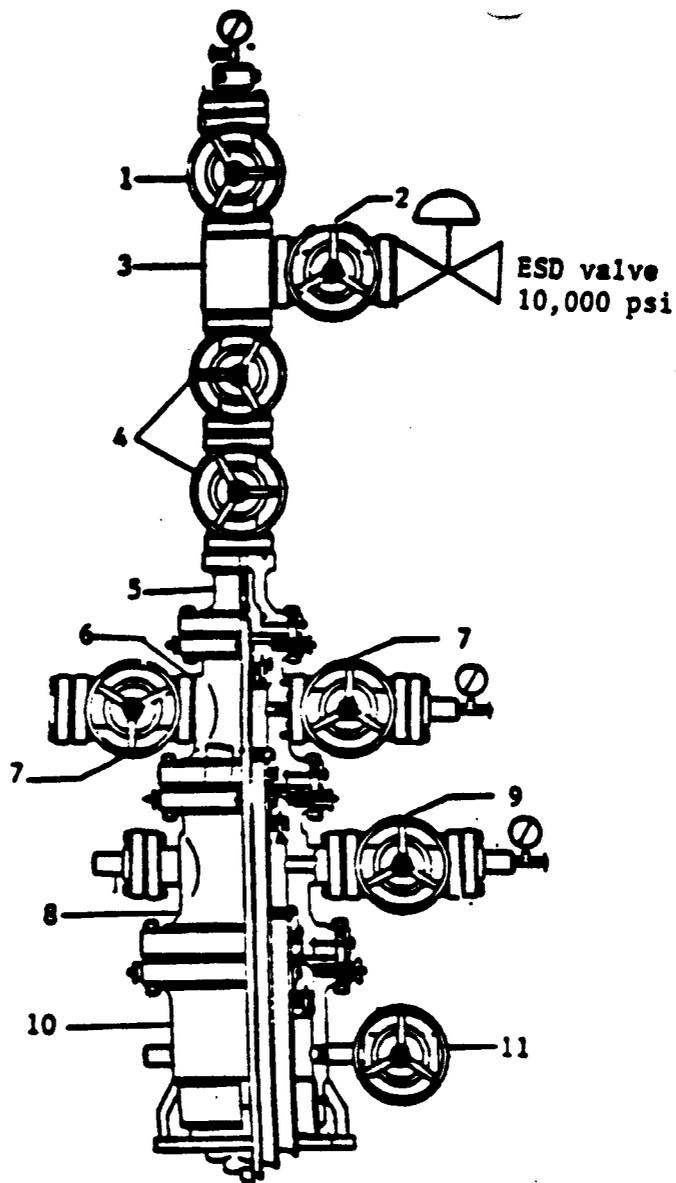
1. ESD valve on injection flowline - shuts down on a high casing-tubing annulus pressure (3000 psig)

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.



APPROX NO		APPROVED FOR CONSTRUCTION		DATE		BY		MECHANICAL		DATE													



Shuts down on high
annulus pressure.

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

Formation Testing Programs

An extensive bottomhole pressure monitoring program is being conducted in the Anschutz Ranch East field. Falloff tests are performed on each injection well periodically. Buildups and static gradient surveys are run on selected producers periodically to help monitor the reservoir pressure. Occasionally, special tests such as step rate tests are conducted.

Continuous monitoring of produced fluids is being undertaken. A produced gas sample is taken monthly on each producing well to determine the degree of injection gas breakthrough.

PRESSURE TESTING

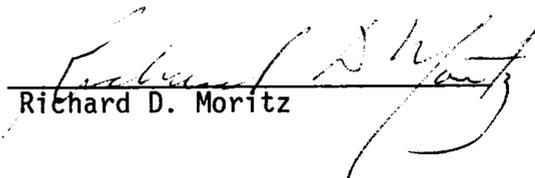
In reference to Rule 505 c-1, a test of the casing to the maximum authorized injection pressure of the new injection wells, 5500 psi, using Amoco's procedure of testing with 2% KCL water in the hole would exceed the mechanical rating of the casing and possibly cause a failure. Therefore, Amoco recommends 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.

VERIFICATION AND AFFIDAVIT

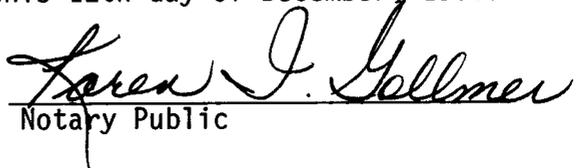
STATE OF UTAH)
 : SS
COUNTY OF SUMMIT)

Richard D. Moritz, of lawful age, being first durly sworn on his oath, deposes and says:

That he is employed as Engineering Supervisor by Amoco Production Company in its Evanston, Wyoming office; that Amoco's application for an order from the Commission granting authority to inject nitrogen gas into the Nugget Formation in the ARE W31-05, Anschutz Ranch East Field, Summit County, Utah, was prepared under his direction and supervision; that the matters and things set forth are true and correct to the best of his knowledge and beliefs; and that a copy thereof was mailed from Applicant's Evanston, Wyoming office December 12, 1986, to the parties shown as attached, who are the only oil and gas lease owners, or surface owners covering the lands described in the application; and to the best of his information, knowledge and belief, the above named parties are the only owners to whom notice of such application is required to be given in accordance with the Rules and Regulations of the Utah Division of Oil, Gas and Mining.


Richard D. Moritz

Subscribed and sworn to before me this 12th day of December, 1986.


Notary Public



Sent to:

The Anschutz Corporation
2400 Anaconda Tower
Denver, Colorado 80202

Attn: John D. Haley

BWAB Incorporated
1000 City Center 4
1801 California Street
Denver, Colorado 80202

Attn: Ray O. Brownlie

Champlin Petroleum Company
5800 S. Quebec
Englewood, Colorado

Attn: T. J. Wheeler

Chevron, USA, Inc.
700 S. Colorado Blvd.
Denver, Colorado 80201

Mobil Rocky Mountain, Inc.
1225 17th Street
Denver, Colorado 80202

Attn: William E. Prichard

PanCanadian Petroleum Company
600 17th Street, Ste, 1800 South
Denver, Colorado 80202

Attn: Donald R. Reeves

Anschutz Ranch East W31-05 Wellbore Diagram

Location: 299' FEL x 2338' FNL, Section 36, T4N, R7E
Elevation: 8025' GL 8051' KB

42 381 50 SHEETS 5 SQUARE
42 382 100 SHEETS 5 SQUARE
42 383 200 SHEETS 5 SQUARE
NATIONAL

notations made during phone conversation with Bruce Leggett (Amoco) on 12/18/86.

30" Conductor SA 71'
20" 94# K-55 ST+C Conductor SA 299' w/775 sx Class "A" Circulating cement.

13 3/8" 72# S95 Butt. (105)
13 3/8" 68# S80 Butt. (40)
13 3/8" 68# K55 Butt. (235)
13 3/8" 61# K55 Butt. (159)
13 3/8" 72# L80 Butt. (1445)
13 3/8" 72# S95 Butt. (2437)
13 5/8" 88.2# HC95 Butt. (537)
SA 5061' w/4190 sx 50/50 Poz Class "A" + 590 sx Class "G" Circulating cement. Cement top w/ 300 sx Class "G" 160' to surface.

9 5/8" 53.5# P110 Butt. (475)
9 5/8" 53.5# P110 LTC (329)
9 5/8" 53.5# S95 LTC (1067)
9 5/8" 47.0# N80 LTC (4522)
9 5/8" 53.5# N80 LTC (2891)
9 5/8" 53.5# L80 LTC (862)
9 5/8" 53.5# P110 LTC (900)
10 5/8" 101.4# P110 X-Line (461)
SA 11,507' w/540 sx Class "G"

To Twin Cr22 R, 11440'

7" DU Tool SA 11,472'

fair hand 12440-50

perforations 12971-73

fair hand 11990-13000
top slugs 13042'

* Shale opposite perforations

4235
7" 32# L80 Butt. (1021)
7" 29# N80 Butt. (2986)
7" 26# N80 LTC (784)
7" 26# S95 LTC (4719)
7" 32# N80 LTC (4725)
SA 14,235' w/140 sx Bubble Class "A" cement. Stage 2: 80 sx Class "G" neat cement.

TD = 14,235'

Perforations:
13,070' - 13,156'
13,170' - 13,244'
13,260' - 13,292'
13,310' - 13,328'
13,342' - 13,398'
13,412' - 13,472'
13,486' - 13,534'
13,540' - 13,554'
13,577' - 13,650'
13,654' - 13,672'
13,685' - 13,722'
13,731' - 13,732'
13,760' - 13,822'
13,867' - 13,876'
13,822' - 13,901'
13,938' - 13,965'
14,030' - 14,051'
14,116' - 14,124'

These intervals have not as yet been perforated, however, these are the intervals which will be shot with a tubing-conveyed perforating system

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

SUBM. TRIPPLICATE*
(Other instructions on reverse side)

121909

<p>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>		<p>5. LEASE DESIGNATION AND SERIAL NO. Fee</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>
<p>2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY</p>		<p>7. UNIT AGREEMENT NAME Anschutz Ranch East</p>
<p>3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930</p>		<p>8. FARM OR LEASE NAME W31-05</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SENE 282; FEL & 2361' FNL</p>		<p>9. WELL NO. W31-05</p>
<p>14. PERMIT NO. 43-043-30280</p>		<p>10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8025' GR</p>		<p>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 36, T4N, R7E</p>
<p>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</p>		<p>12. COUNTY OR PARISH Summit</p>
<p>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.)*</p>		<p>13. STATE Utah</p>

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"/>
FRACURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>	FRACURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOT OR ACIDISE	<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 type="checkbox"/>		<input type="checkbox"/>
(Other)	<input type="checkbox"/>			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

Spud Date: 8-9-86
 Depth: 14,235'
 Drilling Contractor: Chapparel #1
 Total Depth: 14,235'
 Completion Rig moved on to the location 12-12-86
 Drilling Rig rigged down 12-5-86

DEC 18 1986
 DIVISION OF
 OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct.
 SIGNED Reis T. Logg TITLE Administrative Supervisor DATE 12-16-86
 (This space for Federal or State office use)

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

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

---00000---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-089
OF AMOCO PRODUCTION COMPANY,
FOR ADMINISTRATIVE APPROVAL TO :
INJECT GAS INTO A PROPOSED
CLASS II GAS INJECTION WELL
LOCATED IN SECTION 36, TOWNSHIP
4 NORTH, RANGE 7 EAST, S.L.M.,
SUMMIT COUNTY, UTAH

---00000---

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

Notice is hereby given that Amoco Production Company, P.O. Box
829, Evanston, Wyoming 82930, has requested administrative approval
from the Division to use the following well as a Class II gas
injection well:

ANSCHUTZ RANCH EAST UNIT - Summit County, Utah

ARE #W31-05

INJECTION INTERVAL: Nugget Formation 13,070' - 14,124'
MAXIMUM ESTIMATED SURFACE INJECTION PRESSURE: 6100 psig
MAXIMUM ESTIMATED GAS INJECTION RATE: 80 MMCFD

This application will be approved unless objections are filed with
the Division of Oil, Gas and Mining within fifteen days after
publication of this Notice. Objections should be mailed to the
Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355
West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah
84180-1203.

DATED this 24th day of December, 1986.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. ANDERSON
Administrative Assistant

UIC-089

Sent to:

The Anschutz Corporation
2400 Anaconda Tower
Denver, Colorado 80202

Attn: John D. Haley

BWAB Incorporated
1000 City Center 4
1801 California Street
Denver, Colorado 80202

Attn: Ray O. Brownlie

Champlin Petroleum Company
~~5800 S. Quebec~~
Englewood, Colorado

P 0 1257
80150
307-362-5641

Attn: T. J. Wheeler

Chevron, USA, Inc.
700 S. Colorado Blvd.
Denver, Colorado 80201

Mobil Rocky Mountain, Inc.
1225 17th Street
Denver, Colorado 80202

Attn: William E. Prichard

PanCanadian Petroleum Company
600 17th Street, Ste. 1800 South
Denver, Colorado 80202

Attn: Donald R. Reeves

P 402 459 485

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to <i>Amoco Production</i>	
Street and No. <i>PO BOX 809</i>	
P.O., State and ZIP Code <i>EVANSTON, WY 82930</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$

Postmark or



612 089
M. Fowler

UIC-089

~~UIC-089~~

Public Notice was sent to the following:

Utah State Department of Health
Water Pollution Control
Attn: Loren Morton
4241 State Office Building
Salt Lake City, Utah 84114

U.S. Environmental Protection Agency
Suite 1300
Attn: Mike Strieby
999 18th Street
Denver, Colorado 80202-2413

~~Bureau of Land Management
consolidated Financial Center
324 South State Street
Salt Lake City, Utah 84111-2303~~

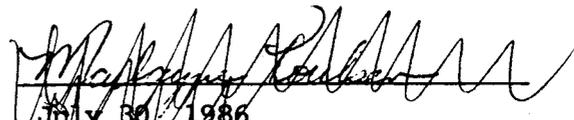
~~Bureau of Land Management
Fluid Minerals Caller Service #4104
Farmington New Mexico 87499~~

Amoco Production Company
PO Box 829
Evanston, Wyoming 82930

Newspaper Agency
Legal Advertising
143 South Main
Mezzanine Floor
Salt Lake City, Utah 84114

Park Record
Legal Advertising
PO Box 3688
Park City, Utah

Summit County Bee
20 North Main
Legal Advertising
Coalville, Utah 84017


July 30, 1986

Mailed

12 24-86 UB



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 24, 1986

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

RE: UIC - 089

Attached hereto is a Notice of Application of 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 1st of January, 1987. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script, appearing to read "Victoria Bailey" with a small "for" written below it.

Marjorie L. Anderson
Administrative Assistant

vb
0840V



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 24, 1986

Summit County Bee
Legal Advertising
Post Office Box 128
Heber City, Utah 84032

Gentlemen:

RE: UIC - 089

Attached hereto is a Notice of Application of 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 2nd of January, 1987. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Victoria Barley" with a small flourish underneath.

Marjorie L. Anderson
Administrative Assistant

vb
0840V



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

Norman H. Bangerter, Governor
 Dee C. Hansen, Executive Director
 Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 24, 1986

The Park Record
 Legal Advertising
 Post Office Box 3688
 Park City, Utah 84060

Gentlemen:

RE: UIC - 089

Attached hereto is a Notice of Application of 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 1st of January, 1987. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

*called on
 1/6/87 and
 said they couldn't
 publish till the
 8th of January.*

Sincerely,

Marjorie L. Anderson
 Administrative Assistant

vb
 0840V

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 type="checkbox"/> OTHER Gas Injection Well</p> <p>2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY</p> <p>3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 299' FEL & 2338' FNL</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 W31-05</p> <p>9. WELL NO. W31-05</p> <p>10. FIELD AND POOL, OR WILDCAT Nugget</p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 36, T4N, R7E</p> <p>12. COUNTY OR PARISH 13. STATE Summit Utah</p>
<p>14. PERMIT NO. 43-043-30280</p>	<p>15. ELEVATIONS (Show whether DF, RT, CR, etc.) 8025' GL 8051' KB</p>	<p>JAN 09 1987 DIVISION OF OIL, GAS & MINING</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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

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

The Anschutz Ranch East W31-05 well was drilled as an injection well and reached total depth on 11/30-86. The well was perforated w/tubing-conveyed scalloped guns @ 4 JSPF, 90 degrees phasing and 22 grm charges over the following intervals in the Nugget:

- | | |
|-------------------|-------------------|
| 12,971' - 12,973' | 13,540' - 13,554' |
| 11,470' - 11,472' | 13,577' - 13,650' |
| 11,197' - 11,199' | 13,654' - 13,672' |
| 13,070' - 13,156' | 13,686' - 13,722' |
| 13,170' - 13,244' | 13,731' - 13,738' |
| 13,260' - 13,292' | 13,760' - 13,822' |
| 13,310' - 13,328' | 13,896' - 13,876' |
| 13,342' - 13,398' | 13,882' - 13,901' |
| 13,412' - 13,472' | 13,938' - 13,965' |
| 13,486' - 13,534' | 14,030' - 14,051' |
| | 14,116' - 14,124' |

A State completion form will be submitted once the well is completed and ready for injection. Injection will not commence prior to receiving approval from your office.

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

SIGNED [Signature] TITLE Stf Fac Eng Supervisor DATE 1-7-87

(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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL [] GAS WELL [] DRY [] Other []
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. []
2. NAME OF OPERATOR: AMOCO PRODUCTION COMPANY
3. ADDRESS OF OPERATOR: P. O. BOX 829, EVANSTON, WYOMING 82930
4. LOCATION OF WELL: At surface 299' FEL & 2338' FNL At top prod. interval reported below 2389' FNL & 708' FWL At total depth 2732' FNL & 1158' FWL Sec. 31

RECEIVED JAN 12 1987 DIVISION OF OIL, GAS & MINING

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 W31-05
9. WELL NO. W31-05
10. FIELD AND POOL, OR WILDCAT Nugget
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 36, T4N, R7E
12. COUNTY OR PARISH Summit
13. STATE Utah

14. PERMIT NO. 43-043-30280 DATE ISSUED 7-23-86
15. DATE SPUDDED 8-19-86 16. DATE T.D. REACHED 11-30-86 17. DATE COMPL. (Ready to prod.) 1-3-87
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 8025' GL 8051' KB 19. ELEV. CASINGHEAD 8025' Ground

20. TOTAL DEPTH, MD & TVD 14,235' MD/13,993' TVD 21. PLUG, BACK T.D., MD & TVD 14,195' MD/13,960' TVD 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY [] ROTARY TOOLS X CABLE TOOLS []
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Top: 13,041' MD Bottom: 14,141' MD Nugget Top: 12,949' TVD Bottom: 13,916' TVD
25. WAS DIRECTIONAL SURVEY MADE Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-FDC, Sonic, DIL, Dipmeter, CBL, Directional Survey 27. WAS WELL CORSD No

28. CASING RECORD (Report all strings set in well) Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 20", 3 3/8" 13 5/8", 5 5/8" 10 5/8", 7" casing sizes.

29. LINER RECORD Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD). 30. TUBING RECORD Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD). Size 3 1/2", Depth 12,770'.

31. PERFORATION RECORD (Interval, size and number) See Attachment "A"
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED.

33.* PRODUCTION Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO, FLOW. TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL-BBL., GAS-MCF., WATER-BBL., OIL GRAVITY-API (CORR.).

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. SIGNED Walter G. Shaffer TITLE District Drilling Supervisor DATE 1-8-87

*(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.)

Cores : None
DST's : None

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	13,042' (12,950') TVD	14,138' (13,913') TVD	Retrograde Gas Condensate

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Evanston	1343'	1343'
Bear River	3576'	3575'
(upside down)		
Aspen	4278'	4278'
(upside down)		
Bear River	5795'	5791'
Gannet	7198'	7173'
Stump	10072'	10027'
Preuss	10101'	10056'
Salt	11174'	11123'
Basal Preuss	11436'	11384'
Twin Creek		
Giraffe Creek	11502'	11450'
Leeds Creek	12064'	12005'
Watton Canyon	12216'	12154'
Boundry Ridge	12556'	12484'
Rich	12604'	12530'
Sliderock	12854'	12770'
Gypsum Springs	12938'	12851'
Nugget	13041'	12949'
Ankareh	14141'	13916'

Attachment "A"

#31 Perforation Record

12,971' - 12,973'
11,470' - 11,472'
11,197' - 11,199'
13,070' - 13,156'
13,170' - 13,244'
13,260' - 13,292'
13,310' - 13,328'
13,342' - 13,398'
13,412' - 13,472'
13,486' - 13,534'
13,540' - 13,554'
13,577' - 13,650'
13,654' - 13,672'
13,686' - 13,722'
13,731' - 13,738'
13,760' - 13,822'
13,869' - 13,876'
13,882' - 13,901'
13,938' - 13,965'
14,030' - 14,051'
14,116' - 14,124'



Amoco Production Company

January 8, 1987

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

RECEIVED
JAN 12 1987

DIVISION OF
OIL, GAS & MINING

File: RMR-831-588/WF

Attn: Gil Hunt/Dorothy Swidel

RE: Form OGC-3 Well Completion Report - ARE W31-05 Cement Bond
Log Transmittal

Please find included with this letter a copy of the cement bond
log run on the W31-05 well on December 16, 1986 along with a
Well Completion Report to add to your file for the above referenced
well.

Please call Bruce Leggett with this office at 307-783-2318 with
any questions you may have.

Thank you,

R. M. Ramsey
R. M. Ramsey
District Administrative Supervisor

/kg

Encl.

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

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER Injection Well

7. UNIT AGREEMENT NAME

Anschutz Ranch East

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

8. FARM OR LEASE NAME

W31-05

3. ADDRESS OF OPERATOR
P. O. BOX 829, EVANSTON, WYOMING 82930

9. WELL NO.

W31-05

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

10. FIELD AND POOL, OR WILDCAT

Nugget

299' FEL & 2338' FNL

11. SEC., T., R., M., OR BLE. AND SUBSTY OR AREA

Sec. 36, T4N, R7E

14. PERMIT NO. 43-043-30280
15. ELEVATIONS (Show whether DP, RT, CR, etc.)
8025' GL 8051' KB

12. COUNTY OR PARISH 13. STATE
Summit Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

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

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

In fulfillment of Rule 505, the annulus of the W31-05 well was pressure tested on 01/02/87 to 1500 psi with 8.5 pound per gallon fluid in the annulus for 15 minutes. The packer is set at 12,770'. No leaks were detected at the end of the test.

JAN 12 1987
DIVISION OF OIL, GAS & MINING

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

SIGNED [Signature]

TITLE Stf Fac Eng Supervisor

DATE 1-8-87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

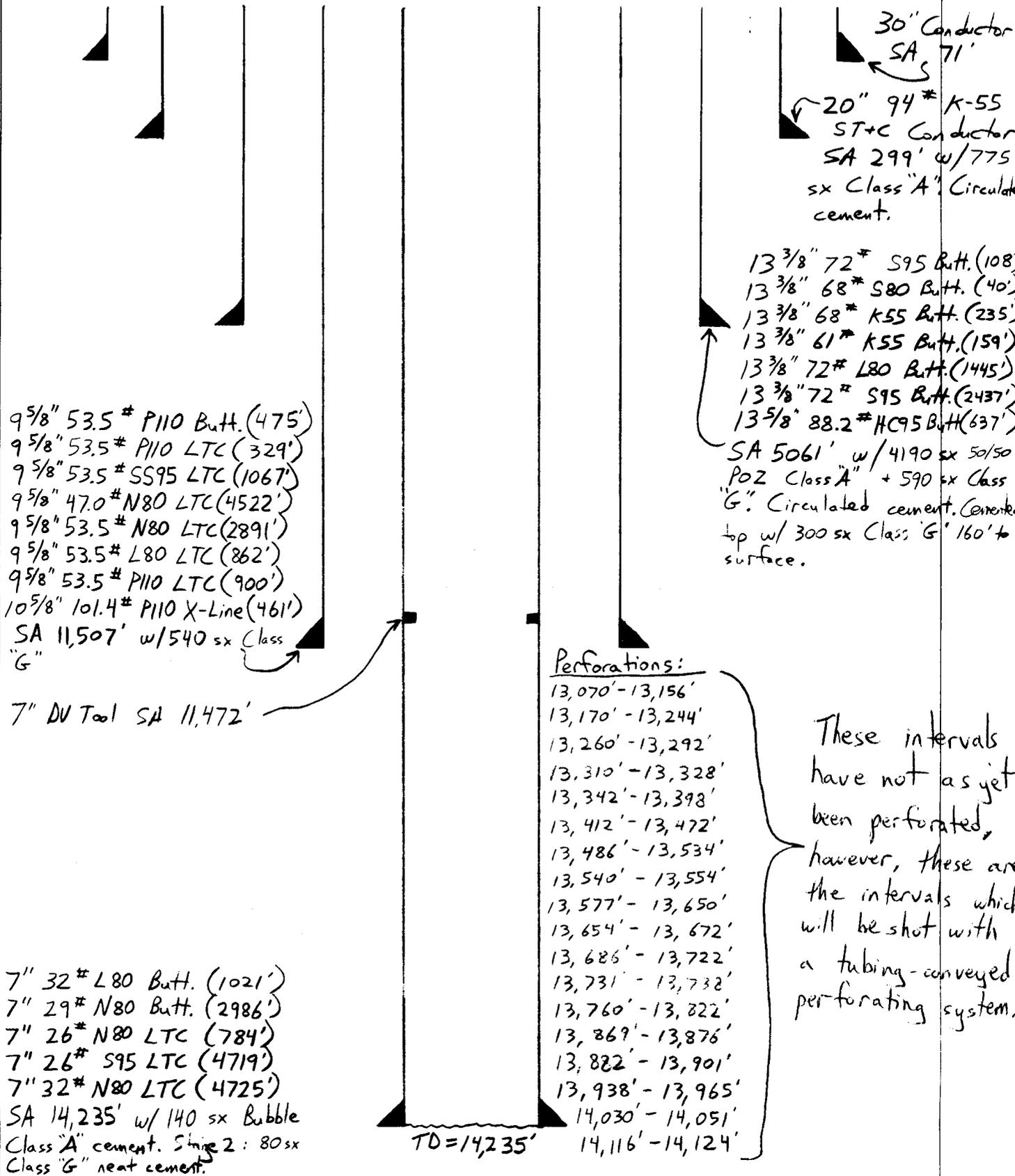
TITLE _____

DATE _____

Anschutz Ranch East W31-05
Wellbore Diagram

Location: 299' FEL x 2338' FNL, Section 36, T4N, R7E
Elevation: 8025' GL 8051' KB

42.381 50 SHEETS 5 SQUARE
42.382 100 SHEETS 5 SQUARE
42.389 200 SHEETS 5 SQUARE
NATIONAL



9 5/8" 53.5 # P110 Butt. (475')
9 5/8" 53.5 # P110 LTC (329')
9 5/8" 53.5 # SS95 LTC (1067')
9 5/8" 47.0 # N80 LTC (4522')
9 5/8" 53.5 # N80 LTC (2891')
9 5/8" 53.5 # L80 LTC (862')
9 5/8" 53.5 # P110 LTC (900')
10 5/8" 101.4 # P110 X-Line (461')
SA 11,507' w/540 sx Class "G"

7" DU Tool SA 11,472'

7" 32 # L80 Butt. (1021')
7" 29 # N80 Butt. (2986')
7" 26 # N80 LTC (784')
7" 26 # S95 LTC (4719')
7" 32 # N80 LTC (4725')
SA 14,235' w/140 sx Bubble Class "A" cement. String 2: 80 sx Class "G" neat cement.

Perforations:
13,070' - 13,156'
13,170' - 13,244'
13,260' - 13,292'
13,310' - 13,328'
13,342' - 13,398'
13,412' - 13,472'
13,486' - 13,534'
13,540' - 13,554'
13,577' - 13,650'
13,654' - 13,672'
13,686' - 13,722'
13,731' - 13,732'
13,760' - 13,822'
13,869' - 13,876'
13,882' - 13,901'
13,938' - 13,965'
14,030' - 14,051'
14,116' - 14,124'

These intervals have not as yet been perforated, however, these are the intervals which will be shot with a tubing-conveyed perforating system.

TD = 14,235'

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

W31-05

9. WELL NO.

W31-05

10. FIELD AND POOL, OR WILDCAT

Nugget

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

Sec. 36, T4N, R7E

12. COUNTY OR PARISH

Summit

13. STATE

Utah

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

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

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 299' FEL & 2338' FNL Sec. 36
At top prod. interval reported below 2389' FNL & 708' FWL Sec. 31
At total depth 2732' FNL & 1158' FWL Sec. 31

14. PERMIT NO. 43-043-30280
DATE ISSUED 7-23-86

15. DATE SPUNDED 8-19-86
16. DATE T.D. REACHED 11-30-86
17. DATE COMPL. (Ready to prod.) 1-3-87
18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 8025' GL 8051' KB
19. ELEV. CASINGHEAD 8025' Ground

20. TOTAL DEPTH, MD & TVD 14,235' MD/13,993' TVD
21. PLUG, BACK T.D., MD & TVD 14,195' MD/13,960' TVD
22. IF MULTIPLE COMPL., HOW MANY* N/A
23. INTERVALS DRILLED BY
ROTARY TOOLS X
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Top: 13,041' MD Bottom: 14,141' MD
Top: 12,949' TVD Bottom: 13,916' TVD
Nugget
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL-FDC, Sonic, DIL, Dipmeter, CBL, Directional Survey
27. WAS WELL CORRED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	299'	26"	775 sx Class A Circ cmt	
3 3/8" 13 5/8"	61 - 88.2#	5061'	17.5"	4190 sx 50/50 Poz A/890	5x G
5 7/8" 10 5/8"	47 - 101.4#	11507'	12.25"	540 sx G	
7"	26 - 32#	14235'	8.5"	140 sx Bubble A/80 sx G	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					3 1/2"		12,770'

31. PERFORATION RECORD (Interval, size and number)
See Attachment "A"

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)

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BSL. GAS—MCF. WATER—BSL. GAS-OIL RATIO
FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BSL. GAS—MCF. WATER—BSL. OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Walter G. Shaffer TITLE District Drilling Supervisor DATE 1-8-87

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.

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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.)

Cores : None

DST's : None

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	13,042' (12,950') TVD	14,138' (13,913') TVD	Retrograde Gas Condensate

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Evanston	1343'	1343'
Bear River	3576'	3575'
(upside down)		
Aspen	4278'	4278'
(upside down)		
Bear River	5795'	5791'
Gannet	7198'	7173'
Stump	10072'	10027'
Preuss	10101'	10056'
Salt	11174'	11123'
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Twin Creek		
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Leeds Creek	12064'	12005'
Watton Canyon	12216'	12154'
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Rich	12604'	12530'
Sliderock	12854'	12770'
Gypsum Springs	12938'	12851'
Nugget	13041'	12949'
Ankareh	14141'	13916'

Attachment "A"

#31 Perforation Record

12,971' - 12,973'
11,470' - 11,472'
11,197' - 11,199'
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13,869' - 13,876'
13,882' - 13,901'
13,938' - 13,965'
14,030' - 14,051'
14,116' - 14,124'

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

Newspaper Agency Corporation
The Salt Lake Tribune **DESERET NEWS**
MORNING & SUNDAY EVENING & SUNDAY

Affidavit of Publication

STATE OF UTAH,)
County of Salt Lake) ss.

Ruth C. Russell

Hereby certify that the attached

advertisement of **CAUSE # UIC-089** for **STATE OF UTAH DIV OF OI, GAS & MINING** was published by the **NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE** and **DESERET NEWS**, daily newspapers printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County in the State of Utah.

PUBLISHED ON C JAN 2, 1987

SUBSCRIBED AND SWORN TO BEFORE ME THIS 19th DAY OF JANUARY 1987

[Signature]
NOTARY PUBLIC

MARCH 01, 1987
COMMISSION EXPIRES

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH CAUSE NO. UIC-089 IN THE MATTER OF THE APPLICANT AMOCO PRODUCTION COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO A PROPOSED CLASS II GAS INJECTION WELL LOCATED IN SECTION 34, TOWNSHIP 4 NORTH, RANGE, 7 EAST, S.1.M., SUMMIT COUNTY, UTAH. THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that Amoco Production Company, P.O. Box 829, Evanston, Wyoming 82930, has requested administrative approval from the Division to use the following well as a Class II gas injection well:

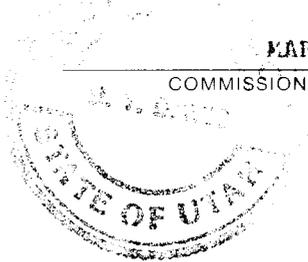
ANSCHUTZ RANCH EAST UNIT
Summit County, Utah
ARE #W31-05

INJECTION INTERVAL: Nugget formation 1300-14,124
MAXIMUM ESTIMATED SURFACE INJECTION PRESSURE: 600 PSIA
MAXIMUM ESTIMATED GAS INJECTION RATE: 80 MMCFD

This application will be approved unless objections are filed with the Division of Oil and Mining within fifteen days after publication of this Notice. Objections should be mailed to the Division of Oil and Mining, Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 24th day of December, 1986.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
Marjorie L. Anderson
Administrative Assistant
L-25



LEGAL ADVERTISING INVOICE					
ACCOUNT NAME				AD NUMBER	TELEPHONE
STATE OF UTAH DIV OF OIL, GAS & MINING				L-25	538-5340
CUST. REF. NO.	SCHEDULE			MISC. CHARGES	
	C JAN 2, 1987				
CAPTION		SIZE	TIMES	RATE	AD CHARGE
CAUSE # UIC-089		65 AGATE LINES	1	1.22	79.30
DUE AND PAYABLE ON RECEIPT OF THIS INVOICE FOR BILLING INFORMATION CALL 801-237-2796				TOTAL AMOUNT DUE	79.30

TO INSURE PROPER CREDIT

PLEASE RETURN THIS PORTION

WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE
MAKE CHECKS PAYABLE TO:

NEWSPAPER AGENCY CORPORATION

(PLEASE WRITE YOUR ACCOUNT
NUMBER ON YOUR CHECK)

BILL TO:

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
355 WEST NORTH TEMPLE
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UT 84180-1203

ACCOUNT NUMBER	BILLING DATE
538-5340	1/19/87
AD NUMBER	PAY THIS AMOUNT
L-25	79.30

Affidavit of Publication

STATE OF UTAH,)
County of Salt Lake) ss.

Ruth A Russell

Hereby certify that the attached advertisement of _____ for _____ was published by the NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE and DESERET NEWS, daily newspapers printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County in the State of Utah.

PUBLISHED ON _____

SUBSCRIBED AND SWORN TO BEFORE ME THIS _____ DAY OF _____ 19 37

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH, CAUSE NO. UIC-098
IN THE MATTER OF THE APPLICATION OF COORS ENERGY COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO WELLS LOCATED IN SECTION 20, TOWNSHIP 5 SOUTH, RANGE 3 WEST, U.S.M., DUCHESNE COUNTY, UTAH.
THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER:
Notice is hereby given that Coors Energy Company, P.O. Box 467, Golden, Colorado 80401 has requested administrative approval from the Division to convert the following listed wells to gas injection wells:
ANTELOPE CREEK FIELD - Duchesne County, Utah
UIC Tribal # 20
UIC Interval: Green
INJECTION INTERVAL: 6300
Riverbank Formation
MAXIMUM ESTIMATED SURFACE INJECTION PRESSURE: 7880 Psi
MAXIMUM ESTIMATED GAS INJECTION RATE: 1.5 MMCFD
Conditional approval of 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 the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203. DATED this 6th day of January, 1987.

NOTARY PUBLIC
COMMISSION EXPIRES _____

LEGAL ADVERTISING INVOICE					
ACCOUNT NAME				AD NUMBER	TELEPHONE
STATE OF UTAH DIV. OF OIL, GAS, & MINING				7-45	801-237-2796
CUST. REF. NO.	SCHEDULE			MISC. CHARGES	
	C JAN. 10, 1987				
CAPTION	SIZE	TIMES	RATE	AD CHARGE	
DUPLICATE OF UIC-098	65 ADVERTISING	1	79.30	79.30	
DUE AND PAYABLE ON RECEIPT OF THIS INVOICE FOR BILLING INFORMATION CALL 801-237-2796				TOTAL AMOUNT DUE 79.30	

TO INSURE PROPER CREDIT

PLEASE RETURN THIS PORTION

WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE
MAKE CHECKS PAYABLE TO:

NEWSPAPER AGENCY CORPORATION
(PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK)

BILL TO:

ACCOUNT NUMBER	BILLING DATE
7-45	1/28/87
AD NUMBER	PAY THIS AMOUNT
7-45	79.30

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

Newspaper Agency Corporation

The Salt Lake Tribune

DESERET NEWS

MORNING & SUNDAY

EVENING & SUNDAY

Affidavit of Publication

Ruth A Russell

Hereby certify that the attached

STATE OF UTAH. }
County of Salt Lake } ss.

advertisement of NOTICE OF CAUSE NO UIC-090
for STATE OF UTAH, DIV. OIL, GAS, & MINING was published by the
NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE
TRIBUNE and DESERET NEWS, daily newspapers printed in the English
language with general circulation in Utah, and published in Salt Lake City, Salt
Lake County in the State of Utah.

PUBLISHED ON JAN 18, 1987

SUBSCRIBED AND SWORN TO BEFORE ME THIS 28th DAY OF JANUARY 19 87



B. J. Davis
NOTARY PUBLIC

MARCH 1, 1988

COMMISSION EXPIRES

LEGAL ADVERTISING INVOICE					
ACCOUNT NAME				AD NUMBER	TELEPHONE
STATE OF UTAH DIV. OIL, GAS, & MINING				M-45	538-5340
CUST. REF. NO.	SCHEDULE			MISC. CHARGES	
	C JAN 18, 1987				
CAPTION		SIZE	TIMES	RATE	AD CHARGE
NOTICE OF CAUSE NO UIC-090		65 AGATE LINES	1	1.22	79.30
DUE AND PAYABLE ON RECEIPT OF THIS INVOICE FOR BILLING INFORMATION CALL 801-237-2796				TOTAL AMOUNT DUE	79.30

TO INSURE PROPER CREDIT

PLEASE RETURN THIS PORTION

WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE
MAKE CHECKS PAYABLE TO:

NEWSPAPER AGENCY CORPORATION

(PLEASE WRITE YOUR ACCOUNT
NUMBER ON YOUR CHECK)

BILL TO:

STATE OF UTAH
NATURAL RESOURCES
DIV OI, GAS & MINING
3 TRIAD CENTER SUITE 350
SALT LAKE CITY, UT 84180-1203

ACCOUNT NUMBER	BILLING DATE
538-5340	1/28/87
AD NUMBER	PAY THIS AMOUNT
M-45	79.30

PS Form 3811, July 1983 447-945

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.
your address in the "RETURN TO" space on reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1. Show to whom, date and address of delivery.
- 2. Restricted Delivery.

3. Article Addressed to:
 Amoco Production Co
 P.O. Box 829
 Evanston, WY 82930

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD P 402 459485

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *Carole Curtis*

7. Date of Delivery
12-30-86

8. Addressee's Address (ONLY if requested and fee paid)

DGM MACIE ANDERSON / m... 11/28/86 082

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
Application of Administrative Approval

was published in said newspaper for _____ 1 _____ con-
secutive issues, the first publication having been made on the
2 day of January, 19 87, 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 _____ 2 _____ day of
January, 1987.

Susan L. Bump
Notary Public

My commission expires Nov 1, 1988

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

IN THE MATTER OF THE
APPLICATION OF AMOCO
PRODUCTION COMPANY, FOR
ADMINISTRATIVE APPROVAL
TO INJECT HAS INTO A PRO-
POSED CLASS II GAS INJECT-
ION WELL LOCATED IN SECT-
ION 36, TOWNSHIP 4 NORTH,
RANGE 7 EAST, S.L.M., SUM-
MIT COUNTY, UTAH

CAUSE NO. UIC-089

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

Notice is hereby given that
Amoco Production Company,
P.O. Box 829, Evanston, Wyo-
ming 82930, has requested
administrative approval from the
Division to use the following well
as a Class II gas injection well:

ANSCHUTZ RANCH EAST
UNIT — Summit County, Utah
ARE #W31-05
INJECTION INTERVAL: Nugget
Formation 13,070' — 14,124'
MAXIMUM ESTIMATED SUR-
FACE INJECTION PRESSURE:
6100 psig
MAXIMUM ESTIMATED GAS
INJECTION RATE: 80 MMCFD

This application will be ap-
proved unless objections are filed
with the Division of Oil, Gas and
Mining within fifteen days after
publication of this Notice. Ob-
jections should be mailed to the
Division of Oil, Gas and Mining,
Attention: UIC Program Man-
ager, 355 West North Temple, 3
Triad Center, Suite 350, Salt
Lake City, Utah 84180-1203.
DATED this 24 day of
December, 1986.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING

MARJORIE L. ANDERSON
Administrative Assistant
Published in the Summit
County Bee January 2, 1987.

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
Application of Administrative Approval

was published in said newspaper for _____ 1 _____ con-
secutive issues, the first publication having been made on the
2 day of January, 1987, 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 2 day of
January, 1987.

Susan J. Buys
Notary Public

My commission expires Nov 1, 1988.

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

IN THE MATTER OF THE
APPLICATION OF AMOCO
PRODUCTION COMPANY, FOR
ADMINISTRATIVE APPROVAL
TO INJECT HAS INTO A PRO-
POSED CLASS II GAS INJECT-
ION WELL LOCATED IN SECT-
ION 36, TOWNSHIP 4 NORTH,
RANGE 7 EAST, S.L.M., SUM-
MIT COUNTY, UTAH

CAUSE NO. UIC-089

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

Notice is hereby given that
Amoco Production Company,
P.O. Box 829, Evanston, Wyo-
ming 82930, has requested
administrative approval from the
Division to use the following well
as a Class II gas injection well:

ANSCHUTZ RANCH EAST
UNIT — Summit County, Utah
ARE #W31-05
INJECTION INTERVAL: Nugget
Formation 13,070' — 14,124'
MAXIMUM ESTIMATED SUR-
FACE INJECTION PRESSURE:
6100 psig
MAXIMUM ESTIMATED GAS
INJECTION RATE: 80 MMCFD

This application will be ap-
proved unless objections are filed
with the Division of Oil, Gas and
Mining within fifteen days after
publication of this Notice. Ob-
jections should be mailed to the
Division of Oil, Gas and Mining,
Attention: UIC Program Man-
ager, 355 West North Temple, 3
Triad Center, Suite 350, Salt
Lake City, Utah 84180-1203.
DATED this 24 day of
December, 1986.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING

MARJORIE L. ANDERSON
Administrative Assistant
Published in the Summit
County Bee January 2, 1987.

PROOF OF PUBLICATION



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

I, Linda Martin

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

Secretary of The Park Record, a weekly newspaper of general circulation, published once each week at Park City, Utah, that the notice attached hereto and which is a Gas injection well application

was published in said newspaper for one (1) consecutive issues, the first publication having been made on the 8th day of Jan., 1987, 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.

Linda Martin

Subscribed and sworn to before me this 9 day of

January, 1987.

Susan Davis
Notary Public

My commission expires Oct. 17, 1987

Application for gas injection well

In the matter of the Application of Amoco Production Company, for administrative approval to inject gas into a proposed Class II Gas Injection well located in Section 36, Township 4 North, Range 7 East, SLM, Summit County, Utah.

Cause no. UIC-089.

The State of Utah to all interested parties in the above entitled matter.

Notice is hereby given that Amoco Production Company, P.O. Box 829, Evanston, Wyoming 82930, has requested administrative approval from the Division to use the following well as a Class II gas injection well:

Anschutz Ranch East Unit - Summit County, Utah, ARE No. 31-05. Injection interval: nugget formation 13,070' - 14,124'. Maximum estimated surface injection pressure: 6100 psig. Maximum estimated gas injection rate: 80 MMCFD.

This application will be approved unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Dated this 24th day of December, 1986.

Marjorie L. Anderson, Administrative Assistant.

Published in the Park Record Jan. 8, 1987.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 26, 1987

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

Gentlemen:

RE: AREU #31-05, Section 31, Township 4 North, Range 8 East, SLM,
Summit County, Utah - Cause No. UIC-089

In accordance with Rule 503(c), of the Oil and Gas Conservation General Rules, your Application for Injection Well for the referenced well is hereby administratively approved.

The following actions are necessary to fully comply with this approval:

- 1) Compliance with the UIC rules and requirements for the operation, maintenance and reporting for Class II injection wells.
- 2) Conformance with the conditions and requirements of the Application.

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

Best regards,

A handwritten signature in cursive script that reads "Dianne R. Nielson".

Dianne R. Nielson
Director

mfp
7627U

Commencement

ANSCHUTZ RANCH EAST UNIT W31-05
MONTHLY AVERAGE INJECTION DATA

43-043-30280

DATE	AVERAGE INJECTION PRESSURE (PSIG)	AVG. NITROGEN INJECTION (MSCFD)	AVG. HYDROCARBON INJECTION (MSCFD)	AVG. TOTAL INJECTION (MSCFD)	AVERAGE PERCENT NITROGEN	TOTAL HOURS INJECTED	CUMULATIVE NITROGEN INJ (MMCF)	CUMULATIVE HYDROCARBON INJ (MMCF)	CUMULATIVE TOTAL INJ (MMCF)
87/01	4753.0	1880.3	6175.8	8056.1	23.34	192.0	58.3	191.5	249.7
TOTAL		1880.3	6175.8	8056.1		8 days 192.0	15.0	49.4	
FOR 87/01 TO 87/03									



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 14, 1992

Amoco Production Company
P.O. Box 800
Denver, Colorado 80201

Gentlemen:

Re: Pressure Test for Mechanical Integrity, Class II Injection Wells in the Anschutz Ranch East Unit, Summit County, Utah

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. It has been past policy of the Division to require pressure testing of all Class II salt water disposal wells and other injection wells not reporting monthly annulus pressures in accordance with rule R649-5-5.3 of the Oil and Gas Conservation General Rules. This rule requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October, 1982. Our records indicate the above referenced wells are due for testing for the second five year period. Attached is a list of wells which need to be tested according to our records. Please make arrangements and ready the wells for testing during the week of August 10, 1992, as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.

Page 2
Pressure Test
July 14, 1992

4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut in 24 hours prior to testing.

Please contact Mr. Dan Jarvis at (801)538-5340 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,



Gil Hunt
UIC Program Manager

ldc
Attachment
WOI52

WELLS TO BE TESTED

#W20-02
W29-02
W29-12
W29-14A
W02-10
W16-14
W19-08
W20-08
W20-14
W30-08
W30-14
W36-08
W31-05

TO WEST GATE

BLACK A-1

TO EVANSTON

15

ISLAND RANCH D-1

13

18

17

BOUNTIFULL B-1

W 16-06

16

W 16-12

W 16-14

W 17-6

E 26-08

E 26-09

372 C-1

GRAVEL PIT

W 20-04

W 20-02

ASC EAST PLANT SITE

NITROGEN PLANT

22

23

372 D-1

24

15

W 19-08

W 20-06

W 21-04

E 26-12

E 26-15

W 20-08

W 20-10

W 21-14

E 26-13

W 20-14

W 20-16

20

21

W 19-16

W 30-02

W 29-04

W 29-02

E 35-05

E 35-04

E 34-09

E 28-06

27

ISLAND RANCH B-2

26

25

6-304

30

29

28

ISLAND RANCH B-1

ISLAND RANCH C-1

27-1

187-A1

W 30-12

W 30-06

W 30-08

W 29-12

W 29-14

E 28-12

W 30-14

W 30-10

W 30-16

W 30-13

W 30-15

W 31-08

W 32-04

W 36-08

W 31-12

W 31-06

W 36-10

W 31-05

32

33

W 36-14

W 36-16

4 N 8 E

34-2

34

35

36

31

4 N 7 E

3 N 7 3

3 N 8 E

2

W 1-04

W 1-02

W 1-06

W 1-12

6

5

4

W 2-10

W 12-04

W 11-01

12

11

UNTA ENGINEERING & SURVEYING, INC.
808 MAIN STREET
EVANSTON, ILLINOIS 60120

JUNE 1988

TO COALVILLE

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

INJECTION WELL - PRESSURE TEST

TEST DATE: 8-11-92 WELL OWNER/OPERATOR: Amoco - Rockmont
DISPOSAL WELL: ENHANCED RECOVERY WELL: ✓ OTHER:
API NO: 43-043-30280 WELL NAME/NUMBER: AREU # W 31-05
SECTION: 31 TOWNSHIP: 4N RANGE: 8E

INITIAL CONDITIONS:

TUBING - rate: pressure: 4600
CASING/TUBING ANNULUS - pressure: 650

CONDITIONS DURING TEST:

TUBING pressure: 4600 psi for 15 minutes
CASING/TUBING ANNULUS pressure: 1050 psi 15 minutes
annulus pressure drop during test: None psi

CONDITIONS AFTER TEST:

TUBING pressure: 4600 psi
CASING/TUBING ANNULUS pressure: 1150 psi

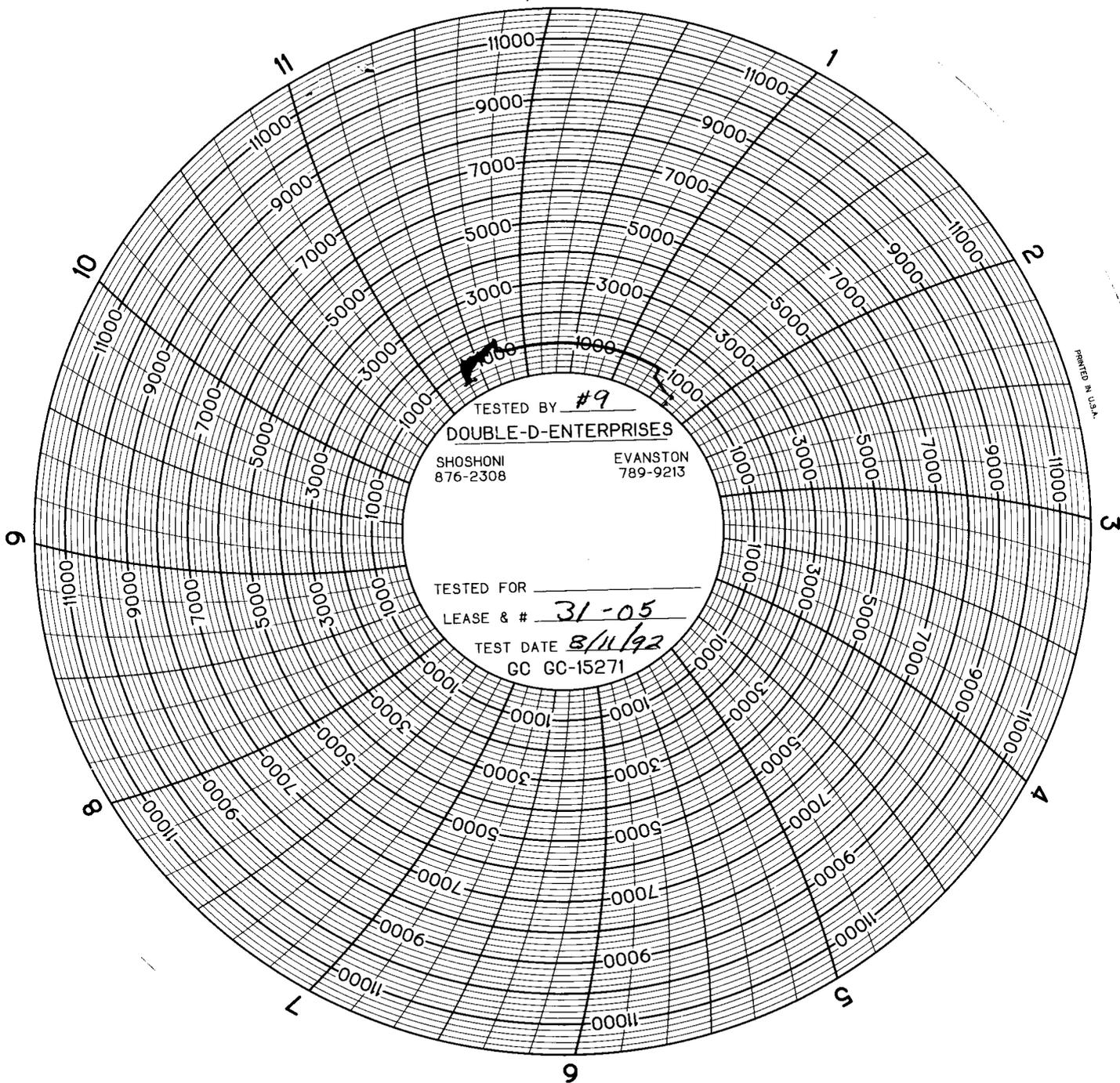
REMARKS:

OK

Russell L. Drangir
OPERATOR REPRESENTATIVE

John [Signature]
DOGM WITNESS

12



PRINTED IN U.S.A.

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

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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

RECEIVED

MAR 10 1993

DIVISION OF OIL, GAS, AND MINING

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 800 Room 1872 Denver, CO 80201		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 NE/4 299 FEL x 2338' FNL		8. FARM OR LEASE NAME
14. PERMIT NO. 43-043-30280	15. ELEVATIONS (Show whether DF, RT, OR, etc.)	9. WELL NO. W31-05
		10. FIELD AND POOL, OR WILDCAT Nugget
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 36 T4N-R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

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

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

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

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

Amoco Production Company requests authorization to set a retrievable bridge plug in the subject well to divert gas injection to the top of Zone 1 and 2 using the following procedure:

1. CO to PBD of 14,195'
2. Set Retrievable bridge plug from 13,554'-13,577'.
3. Flow well.
4. RTI.

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

3-10-93
R. Matthews

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

SIGNED Raelene Krcil TITLE Regulatory Analyst DATE 3/6/93

(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 800 Room 1872 Denver, CO 80201</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <i>Sec. 36 NE/4 - 299' FEL x 2338' FNL SE 1/4 NE 1/4 - surface location</i> <i>2730' FNL x 1158' FNL, Section 36 - B.H. location</i></p> <p>14. PERMIT NO. 43-043-30280</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</p> <p>9. WELL NO. W31-05</p> <p>10. FIELD AND POOL, OR WILDCAT Nugget</p> <p>11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec <i>36</i> T4N-R7E <i>85</i> B.H.L.</p> <p>12. COUNTY OR PARISH Summit</p> <p>13. STATE Utah</p>
---	--	--

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
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) <input type="checkbox"/>	(Other) <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.)

Amoco Production Company performed the following workover on the subject well:

1. Set Retrievable Bridge Plug @ 13,572'.
2. Dumped 1 sx sand on RBP.
3. Flowed well back.
4. RTI. Workover completed on 3/28/93 w/ 28.2 MCFD.

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

RECEIVED

APR 05 1993

DIVISION OF
OIL GAS & MINING

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

SIGNED Raelene K. Krcil TITLE Regulatory Analyst DATE 4/1/93

(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

5. Lease Designation and Serial

Number:

6. If Indian, Allottee or Tribe Name:

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Unit Agreement Name:

ANSCHUTZ RANCH EAST

1. Type of Well: OIL GAS OTHER

8. Well Name and Number:

W31-05

2. Name of Operator:
Amoco Production Company

9. API Well Number

43-043-30280

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:
NE/4 299' FEL X 2338' FNL

County:
SUMMIT

QQ, Sec., T., R., M.:
SEC 36 T4N-R7E 0978

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)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

- Abandonment*
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other **Conversion from injection to producing**
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion **09/10/97**

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 9/10/97

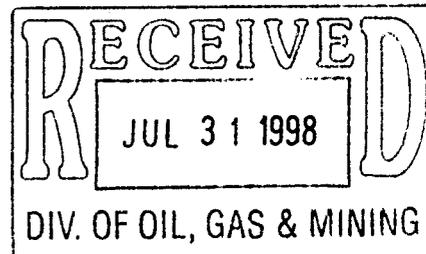
13. Signature: W.C. Hedlak

Title: Business Analyst

Date: 07/27/98

(This space for State use only)

(See Instructions On Reverse Side)



OPERATOR AMOCO PRODUCTION COMPANY

OPERATOR ACCT. NO. N0050

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
E	99990	4540	43-043-30280	ANSCHUTZ RANCH EAST W31-05	SWNW	31	4N	8E	SUMMIT	08-09-86	12-10-98
WELL 1 COMMENTS: 981210 CONVERTED FROM GIW TO PGW EFFECTIVE 9-10-97; PART OF THE ANSCHUTZ RANCH EAST UNIT. KDR											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

(3/89)

KRISTEN D. RISBECK (DOGM) *KDR*
 Signature
 Title _____ Date 12-10-98
 Phone No. (801) 538-5281

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

FORM 9

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

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

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

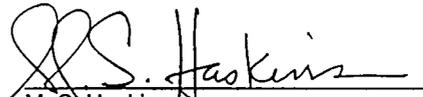
RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

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.

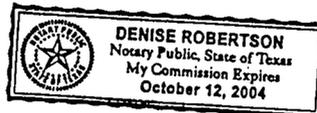
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.




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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: BP America Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 501 WestLake Park Blv, CITY Houston STATE TX ZIP 77079		7. UNIT or CA AGREEMENT NAME: See Attached
PHONE NUMBER: (281) 366-2000		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		9. API NUMBER: Attached
COUNTY: See Attached		10. FIELD AND POOL, OR WILDCAT: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

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

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

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

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

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

Transfer of operations is effective July 1, 2003.

By Merit Energy Company

Name Fred N. Dign Title V.P.
Signature [Signature] Date 7/1/03

BP America Production Company
NAME (PLEASE PRINT) David G. Peterson TITLE Attorney-In-Fact
SIGNATURE [Signature] DATE 6/26/03

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

BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

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

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: ***

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 AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>FEF</u>
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 checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: Anschutz Ranch East
2. NAME OF OPERATOR: Merit Energy Company		8. WELL NAME and NUMBER: ARE W31-05
3. ADDRESS OF OPERATOR: 13727 Noel, Ste 500 CITY Dallas STATE TX ZIP 75240		9. API NUMBER: 4304330280
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2361' FNL & 282' FEL		10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch East/Nugget
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 31 4N 8E		COUNTY: Summit
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>12/1/2003</u> <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) 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 type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input checked="" 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.

Merit Energy Company proposes the following to assist with liquid unloading of the above well:

MIRU. ND WH. NU BOP. Release RTTS pkr. TIH 680' & retrieve RBP. TOH & LD 4-1/2" tbg. MIRU WL. RIH w/gauge ring to PBD @ 14,185'. RIH w/log from PBD to 13,000'. RIH w/7" CIBP. Set above GWC (depth to be determined). RIH w/dump bailer. Dump 10' cmt on top of CIBP. RDMO WL. PU & TIH w/2-7/8" tbg. Set 7" retrieveable production pkr @ 13,000' w/enough tbg to land EOT at mid perf. ND BOP. NU WH.

COPY SENT TO OPERATOR
Date: 12-08-03
Initials: CHD

NAME (PLEASE PRINT) <u>Karla Stines</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE	DATE <u>12/1/2003</u>

(This space for State use only)

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 12/08/03
BY: [Signature] (See Instructions on Reverse Side)

RECEIVED
DEC 05 2003
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: Merit Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 13727 Noel, Ste 500 CITY Dallas STATE TX ZIP 75204		7. UNIT or CA AGREEMENT NAME: Anschutz Ranch East
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2361' FNL & 282' FEL		8. WELL NAME and NUMBER: ARE W 31-05
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 31 T4N R8E		9. API NUMBER: 043-30280
COUNTY: Summit		10. 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 (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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/6/2004	<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 checked="" 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.

Merit Energy Company performed the following:

12/5/03-1/6/04: MIRU. Fill csg w/1 bbl wtr. Press test csg to 1500 psi. Kill well w/110 bbls 4% KCL. ND tree. NU BOP. Unland bg. Rls Halliburton RTTS pkr @ 12844'. TOH & LD 4-1/2" tbg, pkr & plug. Change BOP rams. RU WL. Run logs from 14052-11052'. RIH w/GR. PU CIBP. RIH. Set @ 13860'. Dump bail 5' cmt on top of plug. RU slickline. Pump 15 bbls wtr dn tbg. Junk @ 13394'. RU hot oiler. Pump 60 bbls wtr dn tbg. TOH w/plug. RD. ND BOP. NU tree. Swab well. RWTP. RDMO.

Produced 1.48 MCF, 2 BO, 384 BW in 24 hours.

NAME (PLEASE PRINT) <u>Karla Stines</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE	DATE <u>2/13/2004</u>

(This space for State use only)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: WYW109406X
2. NAME OF OPERATOR: Merit Energy Company		8. WELL NAME and NUMBER: ARE W 31 05
3. ADDRESS OF OPERATOR: 13727 Noel Road, Suite 500 CITY Dallas STATE TX ZIP 75240		9. API NUMBER: 4304330280
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2361' FNL & 282' FEL 6th P.M. COUNTY: Summit QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 31 T4N R8E STATE: UTAH		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 type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Installed Gas Lift</u>

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

Merit Energy Company installed gas lift on the aforementioned well on 7/22/2005.

CC: BLM - UTAH

NAME (PLEASE PRINT) <u>Michal Karam White</u>	TITLE <u>Regulatory Anlayst</u>
SIGNATURE	DATE <u>5/15/2009</u>

(This space for State use only)

RECEIVED

MAY 19 2009

DIV. OF OIL, GAS & MINING



REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY

RECEIVED
OCT 14 1988

DIVISION OF
OIL, GAS & MINING

43-043-30280

AMOCO PRODUCTION COMPANY

COMPANY

4N 7E 16 (BHL) 4N 8E 31

ANSCHUTZ RANCH EAST W51-05

WELL NAME

SUMMIT, UTAH

LOCATION

JOB NUMBER

410-586

TYPE OF SURVEY

SEEKER

DATE

9-12-86

SURVEY BY
TOM RAY

OFFICE
CASPER, WY

P-
NEW

EASTMAN WHIPSTOCK, INC.

RECORD OF SURVEY

FOR

```
* * * * *
*
* OPERATOR      : AMOCO PRODUCTION COMPANY
*
* WELL NAME     : ANSCHUTZ RANCH EAST
*
* LOCATION      : SUMMIT COUNTY, UTAH
*
* JOB NUMBER    :
*
* RIG           : NOBLE #116
*
* DECLINATION   : 0.00 E
*
* * * * *
```

EW DISTRICT : ROCKY MOUNTAIN DIST.



AMOCO PRODUCTION COMPANY
 ANSCHUTZ RANCH EAST
 SUMMIT COUNTY, UTAH

DECLINATION :

0.00 E
 DATE PRINTED : 18-SEP-86
 OUR REF. NO. : S02743.8AM
 JOB NUMBER :

PAGE NO.

MEASURED DEPTH	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH	TRUE VERTICAL DEPTH	RECTANGULAR COORDINATES	DOGLEG SEVERITY
0.00	0 0	N 0 0 E	0.00	0.00	0.00 N 0.00 E	0.00
100.00	0 31	S 36 59 W	100.00	100.00	0.36 S 0.27 W	0.51
200.00	0 38	S 69 36 W	100.00	199.99	0.95 S 1.07 W	0.35
300.00	0 24	S 21 19 W	100.00	299.99	1.57 S 1.69 W	0.48
400.00	0 30	S 27 54 W	100.00	399.99	2.28 S 2.02 W	.12
500.00	0 35	S 21 21 W	100.00	499.98	3.15 S 2.41 W	0.10
600.00	0 47	S 1 9 W	100.00	599.97	4.31 S 2.65 W	0.30
700.00	0 49	S 5 1 E	100.00	699.96	5.69 S 2.60 W	0.10
800.00	0 47	S 5 55 E	100.00	799.96	7.08 S 2.47 W	0.04
900.00	0 43	S 2 27 E	100.00	899.95	8.37 S 2.37 W	0.05
1000.00	0 48	S 6 47 E	100.00	999.94	9.68 S 2.27 W	0.11
1100.00	0 47	S 4 28 E	100.00	1099.93	11.05 S 2.13 W	0.04
1200.00	0 46	S 6 49 E	100.00	1199.92	12.41 S 2.00 W	0.03
1300.00	0 48	S 15 25 E	100.00	1299.91	13.75 S 1.73 W	0.12
1400.00	0 49	S 15 13 E	100.00	1399.90	15.10 S 1.36 W	0.02
1500.00	0 49	S 15 38 E	100.00	1499.89	16.55 S 0.96 W	0.01
1600.00	0 52	S 16 5 E	100.00	1599.88	17.96 S 0.56 W	0.04
1700.00	0 54	S 6 37 E	100.00	1699.87	19.48 S 0.26 W	.15
1800.00	1 16	S 0 5 E	100.00	1799.85	21.36 S 0.15 W	.38
1900.00	1 33	S 5 14 W	100.00	1899.82	23.81 S 0.26 W	0.31
2000.00	1 40	S 0 23 W	100.00	1999.78	26.61 S 0.39 W	0.18
2100.00	2 23	S 22 4 E	100.00	2099.72	30.06 S 0.27 E	1.06
2200.00	2 4	S 14 44 E	100.00	2199.64	33.75 S 1.49 E	0.43
2300.00	1 32	S 45 15 W	100.00	2299.59	36.65 S 0.71 E	1.86
2400.00	1 41	S 60 27 W	100.00	2399.55	38.33 S 1.52 W	0.45
2500.00	1 48	S 57 12 W	100.00	2499.51	39.90 S 4.12 W	0.15
2600.00	2 6	S 68 55 W	100.00	2599.45	41.44 S 7.15 W	0.50
2700.00	2 19	S 71 31 W	100.00	2699.37	42.75 S 10.78 W	0.24
2800.00	2 21	S 71 20 W	100.00	2799.29	44.05 S 14.64 W	0.03
2900.00	2 13	S 67 23 W	100.00	2899.21	45.45 S 18.38 W	0.21

CONTINUED ON NEXT PAGE ...



AMOCO PRODUCTION COMPANY
 ANSCHUTZ RANCH EAST
 SUMMIT COUNTY, UTAH

DECLINATION : 0.00 E

DATE PRINTED : 18-SEP-86
 OUR REF. NO. : S02743.8AM
 JOB NUMBER :

PAGE NO. 3

MEASURED DEPTH	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH	TRUE VERTICAL DEPTH	RECTANGULAR COORDINATES		DOGLEG SEVERITY
3000.00	2 13	S 61 1 W	100.00	2999.13	47.16 S	21.90 W	0.25
3100.00	2 6	S 57 21 W	100.00	3099.06	49.08 S	25.13 W	0.18
3200.00	1 53	S 55 34 W	100.00	3199.00	51.01 S	28.04 W	0.22
3300.00	1 34	S 54 23 W	100.00	3298.96	52.74 S	30.51 W	0.32
3400.00	1 10	S 43 16 W	100.00	3398.93	54.31 S	32.30 W	()
3500.00	1 2	S 29 12 W	100.00	3498.91	55.86 S	33.43 W	0.29
3600.00	1 4	S 4 6 W	100.00	3598.89	57.62 S	33.96 W	0.46
3700.00	1 3	S 3 23 W	100.00	3698.88	59.51 S	34.09 W	0.03
3800.00	0 55	S 1 36 E	100.00	3798.86	61.22 S	34.11 W	0.16
3900.00	0 56	S 8 55 E	100.00	3898.85	62.84 S	33.96 W	0.12
4000.00	0 55	S 24 10 E	100.00	3998.84	64.38 S	33.50 W	0.25
4100.00	1 16	S 33 13 E	100.00	4098.82	66.04 S	32.59 W	0.38
4200.00	1 44	S 40 51 E	100.00	4198.78	68.12 S	31.03 W	0.51
4300.00	2 1	S 39 7 E	100.00	4298.73	70.63 S	28.92 W	0.30
4400.00	2 23	S 37 53 E	100.00	4398.65	73.65 S	26.52 W	0.37
4500.00	2 28	S 41 41 E	100.00	4498.57	76.89 S	23.82 W	0.18
4600.00	2 46	S 33 7 E	100.00	4598.46	80.52 S	21.05 W	0.50
4700.00	2 39	S 27 44 E	100.00	4698.35	84.59 S	18.66 W	0.3
4800.00	2 40	S 18 30 E	100.00	4798.24	88.80 S	16.86 W	0.13
4892.00	2 25	S 3 28 W	92.00	4890.15	92.82 S	16.33 W	1.08

CLOSURE - DISTANCE : 94.24
 DIRECTION : S 9 59 W

REPORT UNITS : Feet
 SURVEY CALCULATION METHOD : Radius of curvature

SURVEY RUN INFORMATION

=====

SEEKER: 0-4892 / 13-SEP-86 / 410-586 / TOM RAY



AMOCO PRODUCTION COMPANY
 DATE : 15-DEC-86
 TOOL : EW0241

COMPUTATION PAGE NO. 1
 TIME DATE
 20:41:37 15-DEC-86

MEASURED DEPTH FEET	DRIFT ANGLE DEG	DRIFT DIRECTION DEG	TRUE VERTICAL DEPTH FEET	R E C T A N G U L A R C O O R D I N A T E S FEET		DOGLEG SEVERITY DG/100FT
4892	2.42	S 3.47 W	4890.15	92.82 S	16.33 W	.00
5100	2.76	S 33.16 W	5097.94	101.64 S	19.25 W	.66
5200	2.05	S 2.23 E	5197.85	105.62 S	20.35 W	1.61
5300	1.38	S 89.85 E	5297.80	107.49 S	18.40 W	2.42
5400	1.87	N 53.20 E	5397.76	106.62 S	15.76 W	1.13
5500	3.35	N 69.02 E	5497.66	104.42 S	11.78 W	1.63
5600	4.92	N 66.92 E	5597.39	101.71 S	5.09 W	1.58
5700	5.86	N 68.37 E	5696.95	98.14 S	3.60 E	.95
5800	6.83	N 64.89 E	5796.34	93.76 S	13.74 E	1.04
5900	7.54	N 59.81 E	5895.55	87.96 S	24.81 E	.95
6000	8.88	N 49.35 E	5994.52	79.69 S	36.43 E	2.00
6100	10.67	N 50.88 E	6093.07	68.81 S	49.46 E	1.81
6200	11.23	N 50.28 E	6191.25	56.75 S	64.14 E	.57
6300	10.93	N 51.21 E	6289.38	44.59 S	79.01 E	.35
6400	10.62	N 53.27 E	6387.62	33.14 S	93.79 E	.49
6500	10.43	N 54.92 E	6485.94	22.43 S	108.58 E	.35
6600	10.30	N 57.10 E	6584.30	12.37 S	123.50 E	.41
6700	10.18	N 59.14 E	6682.71	2.98 S	138.60 E	.38
6800	9.92	N 60.49 E	6781.18	5.80 N	153.69 E	.35
6900	9.74	N 62.00 E	6879.71	14.01 N	168.66 E	.31
7000	9.61	N 64.19 E	6978.28	21.61 N	183.64 E	.39
7100	9.64	N 64.20 E	7076.88	28.89 N	198.69 E	.03
7200	9.63	N 66.30 E	7175.47	35.89 N	213.89 E	.35
7300	9.34	N 69.22 E	7274.10	42.13 N	229.14 E	.56
7400	9.20	N 70.45 E	7372.79	47.68 N	244.26 E	.25
7500	8.56	N 71.08 E	7471.59	52.76 N	258.84 E	.64
7600	7.29	N 73.23 E	7570.64	56.99 N	271.96 E	1.31
7700	6.84	N 76.45 E	7669.88	60.21 N	283.84 E	.60
7800	6.65	N 78.29 E	7769.19	62.77 N	295.30 E	.29
7900	6.36	N 79.18 E	7868.54	64.98 N	306.40 E	.30

DATE : 15-DEC-86

TIME DATE

TOOL : EW0241

20:41:37 15-DEC-86

MEASURED DEPTH FEET	DRIFT ANGLE DEG	DRIFT DIRECTION DEG	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		DOGLEG SEVERITY DG/100FT
8000	6.43	N 78.68 E	7967.92	67.12 N	317.34 E	.09
8100	6.58	N 79.20 E	8067.28	69.30 N	328.45 E	.16
8200	6.48	N 81.10 E	8166.63	71.24 N	339.66 E	.24
8300	6.40	N 82.30 E	8266.00	72.86 N	350.76 E	.16
8400	6.16	N 82.04 E	8365.40	74.35 N	361.59 E	.24
8500	6.08	N 83.14 E	8464.83	75.73 N	372.17 E	.14
8600	5.87	N 85.31 E	8564.28	76.77 N	382.53 E	.31
8700	5.77	N 87.37 E	8663.77	77.42 N	392.65 E	.23
8800	5.65	N 89.02 E	8763.27	77.73 N	402.59 E	.21
8900	5.56	N 89.20 E	8862.79	77.89 N	412.35 E	.09
9000	5.53	N 89.85 E	8962.32	77.97 N	422.02 E	.07
9100	5.68	S 89.34 E	9061.84	77.92 N	431.79 E	.17
9200	5.88	S 89.20 E	9161.34	77.79 N	441.87 E	.20
9300	6.08	S 89.44 E	9260.79	77.67 N	452.28 E	.19
9400	6.31	S 88.23 E	9360.21	77.45 N	463.07 E	.27
9500	6.78	S 87.80 E	9459.56	77.06 N	474.46 E	.47
9600	6.99	S 87.85 E	9558.84	76.60 N	486.43 E	.21
9700	7.10	S 85.82 E	9658.08	75.93 N	498.67 E	.27
9800	7.17	S 86.24 E	9757.31	75.07 N	511.06 E	.09
9900	7.25	S 84.17 E	9856.52	74.02 N	523.57 E	.27
10000	7.22	S 84.49 E	9955.72	72.77 N	536.11 E	.05
10100	7.39	S 84.18 E	10054.91	71.51 N	548.77 E	.18
10200	7.69	S 81.71 E	10154.04	69.90 N	561.79 E	.44
10300	7.63	S 80.47 E	10253.15	67.84 N	574.96 E	.18
10400	6.87	S 80.10 E	10352.35	65.71 N	587.39 E	.76
10500	6.02	S 79.06 E	10451.72	63.68 N	598.43 E	.85
10600	5.89	S 80.13 E	10551.18	61.80 N	608.64 E	.17
10700	5.65	S 80.15 E	10650.67	60.08 N	618.54 E	.25
10800	5.12	S 78.24 E	10750.23	58.32 N	627.76 E	.55
10900	4.80	S 76.96 E	10849.85	56.47 N	636.21 E	.34

DATE : 15-DEC-86

TIME DATE

TOOL : EW0241

20:41:37 15-DEC-86

MEASURED DEPTH FEET	DRIFT ANGLE DEG	DRIFT DIRECTION DEG	TRUE VERTICAL DEPTH FEET	R E C T A N G U L A R C O O R D I N A T E S FEET		DOGLEG SEVERITY DG/100FT
11000	4.13	S 77.39 E	10949.55	54.74 N	643.80 E	.67
11100	4.03	S 78.06 E	11049.30	53.23 N	650.75 E	.11
11200	3.76	S 76.40 E	11149.06	51.73 N	657.38 E	.29
11300	4.58	S 77.04 E	11248.80	50.05 N	664.46 E	.82
11400	5.61	S 74.41 E	11348.40	47.86 N	673.06 E	1.06
11500	6.55	S 74.28 E	11447.84	45.01 N	683.26 E	.94
11600	7.15	S 74.04 E	11547.13	41.75 N	694.73 E	.60
11700	8.16	S 73.71 E	11646.23	38.05 N	707.53 E	1.02
11800	9.21	S 72.99 E	11745.08	33.72 N	722.00 E	1.06
11900	9.92	S 72.44 E	11843.69	28.78 N	737.88 E	.72
12000	10.65	S 72.85 E	11942.08	23.46 N	754.92 E	.73
12100	11.31	S 71.53 E	12040.25	17.63 N	773.06 E	.71
12200	12.09	S 72.18 E	12138.17	11.31 N	792.33 E	.78
12300	13.20	S 73.91 E	12235.75	4.93 N	813.27 E	1.18
12400	14.11	S 73.99 E	12332.92	1.60 S	835.95 E	.91
12500	14.94	S 73.55 E	12429.72	8.61 S	860.03 E	.84
12600	15.42	S 73.26 E	12526.23	16.09 S	885.12 E	.48
12700	15.79	S 73.45 E	12622.55	23.79 S	910.89 E	.37
12800	16.29	S 74.07 E	12718.66	31.52 S	937.42 E	.53
12900	17.48	S 74.49 E	12814.34	39.39 S	965.38 E	1.20
13000	17.71	S 75.45 E	12909.66	47.22 S	994.57 E	.36
13100	18.62	S 74.25 E	13004.68	55.37 S	1024.65 E	.98
13200	22.01	S 61.63 E	13098.45	68.38 S	1056.76 E	5.52
13300	24.54	S 53.55 E	13190.31	89.54 S	1090.08 E	4.07
13400	25.95	S 50.79 E	13280.75	115.69 S	1123.76 E	1.84
13500	28.67	S 51.76 E	13369.60	144.39 S	1159.55 E	2.75
13600	31.54	S 52.20 E	13456.10	175.28 S	1199.06 E	2.88
13700	31.42	S 51.12 E	13541.38	207.68 S	1240.02 E	.58
13800	31.12	S 50.21 E	13626.85	240.58 S	1280.17 E	.56
13900	31.41	S 49.29 E	13712.33	274.12 S	1319.78 E	.56

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
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 W31-05
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2361 FNL 0282 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 31 Township: 04.0N Range: 08.0E Meridian: S	9. API NUMBER: 43043302800000
9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST	COUNTY: SUMMIT
9. API NUMBER: 43043302800000	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: 9/7/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Return to Production"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Merit Energy Company plans to Return to Production the Idle well ARE 31-05. Please find the attached procedure and WBD detailing the work proposed.

Approved by the
September 02, 2014
Oil, Gas and Mining

Date: _____
 By: David King

NAME (PLEASE PRINT) Ross King	PHONE NUMBER 972 628-1041	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/29/2014	

Well Name: ARE W 31-05
API #: 43-043-30280
KB to GL: 26'
KB: 8,051
GL: 8,025'
TMD: 14,235'
PBMD: 13,850'

Casing: 13-3/8" Surface Casing, cem. @ 5,061'
9-5/8" Intermediate Casing, 47-62.8#, cem. @ 11,507'
7" Production String, 32#, N-80, cem. @ 14,235'

Perforations: 13,070' – 13,822' (Open Intermittently, see attached well bore diagram)

Objective: Isolate water in this well, bond log indicates poor cement so a cement squeeze will be needed. Target cement top around 13,200', if needed will re-perf existing intervals both pending swab test results.

Procedure:

MIRU and POOH

1. Inspect well location, address safety and procedure concerns with those on location and engineer.
2. MIRU work over rig and all associated equipment.
3. Bleed casing and tubing pressure to zero psi and nipple down wellhead.
4. Install and test BOPE.
5. POOH production string and stand back. Inspect tubing for damage and note issues.
6. Trip scraper to check clearance for CIBP.

RIH with Bridge Plug and Dump Cement

7. PU and RIH 7" CIBP and set at 13,335'.
8. RIH with tubing open ended and lay cement plug from 13,335' to 13,165', about 9.2 bbls of class G 14.8#. (9.2 bbls of cement is 50% excess)
 - a. Fluid level during swabbing was 6,000'.
 - b. BHT 170° F at depth of 13,300'
 - c. 2-3/8" Tubing volume is 51 bbls.
 - d. 7" Casing volume 13,335 to 13,165' is 6.1 bbls.
 - e. **Calculate Tubing Flush to be 34.0 bbls**, to prevent over displacing cement.

Tag Cement and swab

9. Allow cement to set up, RIH with open ended, ready to swab test or set second cement plug if needed. If cement is at 13,200' or above may go ahead and swab test. If much lower than 13,200' a second cement plug may be needed.

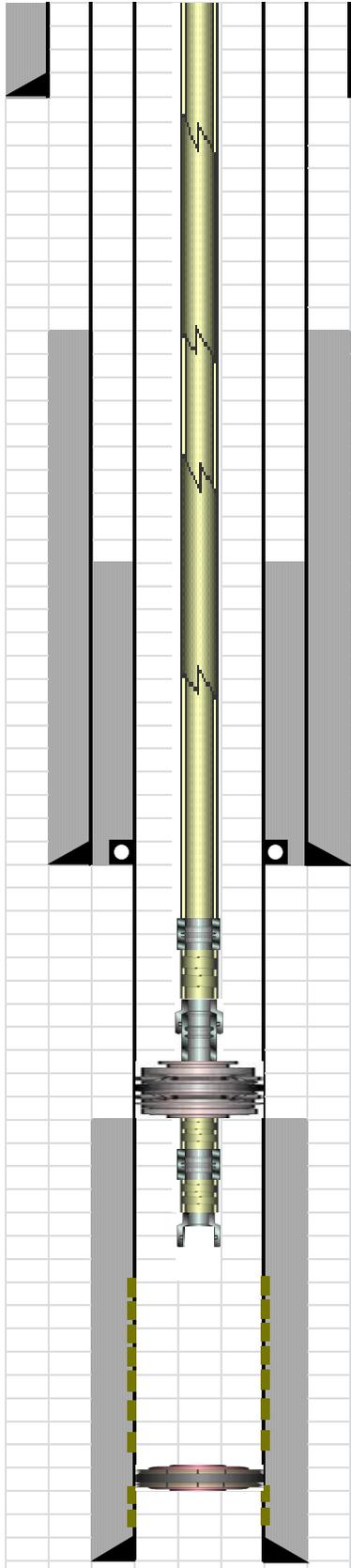
- a. Production log is not great on this well but based on recent work the top 100' +/- of the reservoir have been our best producing zones.

Design Lift with Engineer Following Swabbing Results

10. With swabbing results contact engineer and establish lift design for this well. Tentatively planned for gas lift with plunger.
11. POOH with packer and RBP.

RTP and RDMO

12. RIH with production string and lift assembly as designed in step 13 above. Prepare to bring well back online.
13. ND BOPE and make up wellhead.
14. RDMO rig and equipment. Turn well over to production.



WELL NAME:	ARE W31-05			FIELD:	ANSCHUTZ RANCH EAST		
QTR QTR:	SEC:	31	TWN:	4N	RNG:	8E	
COUNTY:	SUMMIT		ST:	UT		SPUD DATE:	
KB:	8051	GL:	8025	TD:	14235	PBTD:	13850
LAST UPDATED:	04/25/05			BY:	MIKE MERCER		

CASING DETAILS

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13-3/8"	61-88.2#	K55, L80, S95	5061'
INTERMEDIATE	9-5/8", 10-5/8"	47-101.4#	N80, S95, P110	11507'
PRODUCTION	7"	26-32#	L80, N80	14235'

Has an additional 20" surface casing string set @ 299', not shown on WBS

TUBING DETAILS

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
KB				
Hanger	2-7/8" EUE			
253 jts	2-3/8"	4.7#	N-80	
GLV #9				
29 jts				
GLV #8				
22 jts				
GLV #7				
19 jts				
GLV #6				
19 jts				
GLV #5				
19 jts				
GLV #4				
17 jts				
GLV #3				
17 jts				
GLV #2				
14 jts				
GLV #1				
1 jt				
X-over				
On off tool				12,998'

Based on 06/23/05 Pulling Report

NUGGET PERFS

- 13070-156
- 13170-244, 13260-292
- 13310-128, 13342-393
- 13412-472, 13485-534
- 13540-554, 13577-650
- 13654-672, 13686-722
- 13731-738, 13760-822

CIBP @ 13860 w/ 10' cmt

- 13869-876, 13882-901
- 14030-051, 14116-124

● DV TOOL. 7" @ 11465'

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
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3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240		9. API NUMBER: 43043302800000
PHONE NUMBER: 972 628-1540 Ext		9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2361 FNL 0282 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 31 Township: 04.0N Range: 08.0E Meridian: S		COUNTY: SUMMIT
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/15/2014	<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
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Sqz & Perf"/>

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

Merit Energy Company squeezed and perforated existing intervals on the aforementioned well. Please see attached Daily Summary for details.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
December 02, 2014**

NAME (PLEASE PRINT) Katherine McClurkan	PHONE NUMBER 972 628-1660	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/21/2014	



Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:
Report #
Well Name: ARE W 31 05

Accounting ID 7625-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330280	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0386000000	SAP Longitude -111.0949400000	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 Producing Gas

Job Category Completion/Workover	Primary Job Type Recompletion	Job Start Date 8/25/2014	Job End Date
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Daily Operations

Report Start Date 8/27/2014	Primary Activity MIRU
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Operations Summary
SITP 140psi, SICP 1399 psi FL csg 11600' +/- / FL tbg 3000' +/-, MIRU spot support equipment, N/D well head, N/U BOPs, R/U floor, Pump 30bbls 2 % KCL down tbg well control try to release ASI-1X 7" 10K arrow set PKR, see travel on 1st pull 64K, Work several times pull to 82K W/ RH torque work tbg up @ down see no travel, continue work pkr 1hr no luck set in slips 75K pump 180bbl 2% KCL down back side try equalize well. secure well SDON.

Report Start Date 8/28/2014	Primary Activity Release PKR TOH 2 3/8" tbg
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Operations Summary
SITP 960psi, SICP 10psi, FL tbg 8170' +/- - FL csg 5720' +/- - Blow well down to flat tank unload soap pump, 30bbl 2 % KCL down tbg, R/U swivel work ASI-1X 7" 10K pkr set down 15K , pull to 80K W/ RH torque start to see some travel in PKR continue to work PKR for several hrs PKR pulled free, see some drag for several jts suspect rubber element, pump 60bbls 2% KCL down back side for flush TOH stand back 161 stands 2 3/8" 4.7# EUE N80 tbg L/D GLV #1, GLV #2 GLV #3 GLV #4 start to see heavy 1" thick scale in tbg start to L/D jts as needed, EOT @ 2800' secure well SDON.

Report Start Date 8/29/2014	Primary Activity TOH 2 3/8" / TIH Bit scraper 2 7/8" PH6 tbg
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Operations Summary
SITP 500psi , SICP 500psi, Blow well down to flat tank pump 20bbls 2 % KCL down backside, L/D GLV #5, GLV #6, GLV #7, GLV #8, GLV #9, 87 jts 2 3/8" 4.7# EUE N80 tbg, ASI-1X 7" arrow set PKR, 2 3/8" 6" pup, XN nipple, 2 3/8" 6" pup, reentry guide, pump 30bbls 2 % KCL well control, P/U 6" rock bit, Bit sub, 7" scraper, X over, TIH 180 jts 2 7/8" 7.9# L80 PH6 tbg, secure well SDDO.

Report Start Date 9/2/2014	Primary Activity TOH 2 3/8" / TIH Bit scraper 2 7/8" PH6 tbg TOH
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Operations Summary
Well flowed on its own .100mscf - .85mscf per day over weekend to sales, pump 25bbls 2% KCL well control, TIH 260 jts 2 7/8" 7.9# L80 PH6 tbg clean out perfs to 13516' all in on jt# 439, TOH L/D 20 jts 2 7/8" PH6, stand back 210 jts 2 7/8" L80 7.9# PH6 tbg, L/D 2 jts 2 7/8" PH6 tbg, X over, 7" scraper, Bit sub, 6" rock bit, secure well SDON.

Report Start Date 9/3/2014	Primary Activity Set CIBP / TIH cmt pkr
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Operations Summary
FP 80psi, SI well, R/U Warrior services. RIH GR 5.75OD, basket, ccl locator, correlate to CBL log Petro log, Amoco production Co, Anschutz Ranch East, Summit Utah, date 12/16/86, sec 36, Twp 4N, Rge 7E, run collar tie in strip correlate to CBL log tie into collars POH, RIH weatherford 10K CIBP 5.69 OD, ccl locator set @ 13335' between collars POH, R/D Warrior services, P/U 2 7/8" 6.5# EUE Mule shoe, HD pkr 7" 26-32#, 2 7/8" 6.5# EUE 8" pup jt, X over 2 7/8"EUE pin x 2 7/8" PH6 box, found hydro tools were in correct wait on tools 4hrs, TIH 131 stands 2 7/8" PH6 7.9# L80 tbg Hydro test to 7000#, secure well SDON.

Report Start Date 9/4/2014	Primary Activity TIH 2 7/8" PH6 tbg / set cmt pkr / pump cnt squeeze
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Operations Summary
SITP 200psi / SICP 60 psi, blow well down to flat tank pump 25bbls 2% KCL down tbg well control, TIH 78 stands 2 7/8" PH6 7.9# L80 tbg, hydro test 7000#, set HD cmt test pkr 7" 2.38 ID, 5.89 OD, @ 12939' load backside 208 bbls 2% kcl, pressure test 500psi 30 min, Pump tbg volume 76bbls 2% KCL, get injection rate @ 3.2bpm 68psi, Pump 10bbls fresh water, Mix and pump 105sxs class G cmt slurry 21.5bbls 15.8# 1.15 yield, @ 3.3bpm, 200psi, pump 5bbls fresh water, (NOTE: monitor backside during job 500psi), displ 64.5bbl 2% KCL @ 3.3bpm 60psi, wait 15min pump 1bbl 2% kcl, wait 30 min pump away 20bbl @ 10bpm 1300psi SI well bleed down backside to 300psi, secure well SDON.

Report Start Date 9/5/2014	Primary Activity pump cmt squeeze
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Operations Summary
SITP 5psi / SICP 600psi, Blow down backside to flat tank, reload backside 5bbls 500psi, Pump tbg volume 55bbls 2% KCL pressure clime to 500 psi 4.5bpm, drop rate, to continue with 80bbl test 610psi, Pump10bbl spacer, 105sxs net cmt 21.5bbls 15.8# 1.15 yield, 5bbl spacer, increase rate 5.2bpm, 41bbls into flush pressure climbed to 500psi, drop rate 4.8bpm 1000psi, drop rate 2bpm pressure drop 40psi, wait 30min pump 1bbl 0psi, wait 30min, pump 3bbls 0psi, pump 20bbls 10bpm 1200psi, wait 6hrs, tbg vac , csg 550psi, load tbg 30bbls, pump 13.5 bbls 1.0bpm 820psi, pump 8bbl spacer, 21.5bbl cmt, pump 7bbl spacer 1.0bpm increase rate 2.4bpm @ 1000psi pressure climb during flush 59bbl in, pressure 2650psi, drop rate to 1bpm 63bbls in, pressure 2690psi, drop rate .75 finish 64bbl flush 2185psi, ISIP 2000, 5min SI 625psi, 10min SI 125psi bleed off csg pressure, L/D 5jts Stand back 13 stands set PKR @ 12571' 20K down secure well SDWO.

Report Start Date 9/8/2014	Primary Activity TOH cmt pkr / TIH Drill out BHA
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Operations Summary
SITP 0psi / SICP 180psi, blow down backside release cmt pkr load hole 15bbls 2% KCL reverse circ 15bbls @ 650 psi to flat tank, TOH Stand back 204 stands 2 7/8" PH6 7.9# L80 tbg, L/D X over, 7" HD cmt test pkr, 6" mule shoe, P/U 6" rock bit, bit sub, X over, (4) 2 7/8" DC, X over, TIH 204 stands 2 7/8" PH6 tbg, EOT @ 12894' secure well SDON.

Report Start Date 9/9/2014	Primary Activity Drill out cmt
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Operations Summary
SITP 0psi / SICP 0psi, TIH 5 jts 2 7/8" 7.9# PH6 L80 tbg tag TOC @ 13057' MD, R/U power swivel, load hole 10 bbls 2% KCL, breack circ reverse circ @ 2.5 bpm, 350psi, seeing a lot of foaming on jt 421,422, foaming seems to be cleaning up not as bad on jt 423 @ 3.0bpm 500psi, jt 424 in, jt 425 in seems to be harder drilling, seeing good returns 3.0 bpm @ 600psi, jt 426 in 3.0bpm @ 600-700psi, jt 427 in drill out to 13261' MD circ hole clean 1hr 115 bbls lost during drill out, R/D power swivel,TOH L/D 77 jts 2 7/8" PH6 L80 tbg, EOT @ 10893 above perfs, secure well SDON.



Job Daily Summary- State Report

Support Line: 972-628-1700 #1

Report Date:
Report #

Well Name: ARE W 31 05

Accounting ID 7625-01	Original Spud Date	Operator MERIT ENERGY COMPANY	SAP API Number 004304330280	Lease ARE- West	Unit Name
Working Interest (%) 59.62	Original KB Elevation (ft)	SAP Latitude 41.0386000000	SAP Longitude -111.0949400000	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 Producing Gas

Daily Operations

Report Start Date 9/10/2014	Primary Activity TOH 2 7/8" / Perforate zones
Operations Summary SIP 0psi/vac, TOH L/D 350jts 2 7/8" PH6 7.9# L80 tbg, X over, (4) 2 7/8" DC, Bit sub, X over, 6" rock bit, R/U E line, RIH ccl locator, 30' perf gun, correlate to CBL log Petro log, Amoco production Co, Anschutz Ranch East, Summit Utah, date 12/16/86, sec 36, Twp 4N, Rge 7E, run collar tie in strip correlate to CBL log tie into collars make 21' correction, perforate 4spf,0.37" holes 90deg phasing, zone #1 FL 2140' 13110'-13140' POH, RIH 20' perf gun Perforate 4spf,0.37" holes 90deg phasing zone #2 FL 2165' 13090'-13110' POH, RIH 20' perf gun perforate 4spf,0.37" holes 90deg phasing zone #3 FL 2200' 13070'-13090' POH, R/D E line, TIH 30 stands 2 3/8" 4.7# EUE N80 tbg kill string EOT 1890' secure well SDON.	
Report Start Date 9/11/2014	Primary Activity TIH Production 2 3/8" tbg
Operations Summary SIP 0psi, Hydro test 7000#, TIH WL reentry guide, 6' pup jt, XN nipple, 6' pup jt, X over, ASI-1X 7' 26-32# 10K pkr, X over, on/off tool, 1jt 2 3/8"tbg, X nipple, 1jts 2 3/8" tbg, #1 GLV 25 jts 2 3/8" 4.7# EUE N80 tbg, #2 GLV 25 jts 2 3/8" 4.7# EUE N80 tbg, GLV #3 26 jts 2 3/8" 4.7# EUE N80 tbg, GLV #4 25 jts 2 3/8" 4.7# EUE N80 tbg, GLV #5 25 jts 2 3/8" 4.7# EUE N80 tbg, GLV #6 29 jts 2 3/8" 4.7# EUE N80 tbg, GLV #7 32 jts 2 3/8" 4.7# EUE N80 tbg, GLV #8, 130 jts 2 7/8" tbg. EOT 10175' secure well SDON.	
Report Start Date 9/12/2014	Primary Activity TIH Production string / ND BOPs/ NU well head
Operations Summary SIP 0 psi, TIH 94 jts 2 3/8" 4.7# EUE N80 tbg, Hydro test 7000#, P/U landing jt, set ASI-1X 26-32# 7" 10K pkr @ 13022'MD 13K compression, EOT @ 13042',MD ND BOPs , NU well head. secure well SDWO	
Report Start Date 9/15/2014	Primary Activity RDMO
Operations Summary RDMO final report	