

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

5. Lease Designation and Serial No.
Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name
Anschutz Ranch East Unit

8. Farm or Lease Name
Champlin 458 Amoco "E"

9. Well No.
#5

10. Field and Pool, or Wildcat
Anschutz Ranch East
Sec., T., R., M., or Blk.
and Survey or Area

Sec. 31, T4N, R8E

12. County or Parrish 13. State
Summit Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL DEEPEN PLUG BACK

b. Type of Well
Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
AMOCO PRODUCTION COMPANY

3. Address of Operator
P.O. Box 17675 Salt Lake City, Utah 84117

4. Location of Well (Report location clearly and in accordance with any State requirements.)
At surface 624' FSL & 2846' FEL SE/4 SW/4
At proposed prod. zone

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

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

16. No. of acres in lease

17. No. of acres assigned to this well

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

19. Proposed depth

20. Rotary or cable tools

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

7921' GR

22. Approx. date work will start*

When Approved

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
26"	20"	106#	60'	Cmt to surface
17 1/2"	13 3/8"	68#-72#-88#	4500'	Cmt to surface
12 1/4"	9 5/8"	47#-62.8#	11000'	to be determined from logs
8 1/2"	7"	32#	13600'	to be determined, across all salt and pay

PROPOSE TO DEVELOP NUGGET RESERVES
(See Attachments)

(Well to be drilled in accordance with the Order issued in Cause 183-11)

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

24. Signed: *[Signature]* Title: Administrative Supervisor Date: 12/7/82

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title

Conditions of approval, if any:

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

DATE: 12-13-82

BY: *[Signature]*

ATTACHMENT TO FORM OGC-1a
Champlin 458 Amoco "E" No. 5

1) Geologic name of the surface formation: Tertiary

2) Estimated tops of geological markers:

Cretaceous	2400'
Aspen	4400'
Gannett	6200'
Preuss	9300'
Salt	10700'
Twin Creek	10850'
Nugget	12350'
Ankareh	13450'

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

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

5) Mud Program:

0 - 4500'	Foam, if excessive water is encountered, a fresh water LSND mud will be used
4500' - 11000'	Air/Foam, this portion of hole will be air drilled
11000' - 12200'	Foam, if excessive water is encountered, produced brine water will be used
12200' - TD	Produced brine water

6) Logging Program:

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

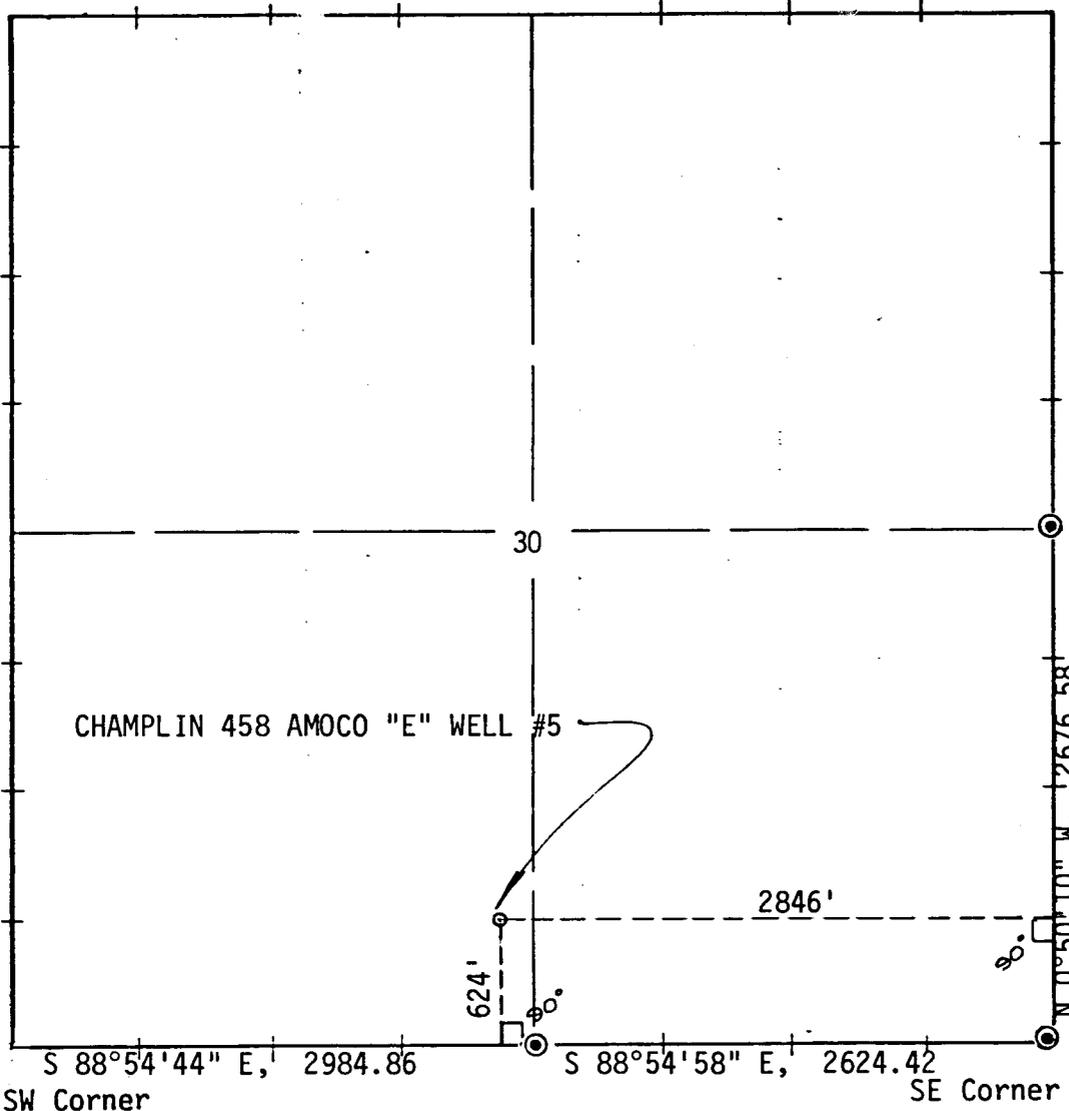
7) No abnormal pressures, temperatures, or hydrogen sulfide gas is anticipated.

NW Corner

T 4 N

R 8 E

NE Corner

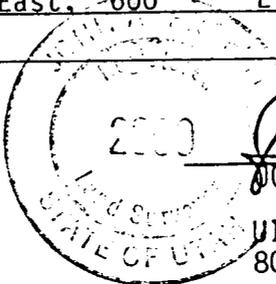


SCALE: 1" = 1000'

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

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Jon Jensen of Evanston, Wyoming for Amoco Production Company I made a survey on the 12,15 day of October, 1982 for Location and Elevation of the Champlin 458 Amoco "E" Well #5 as shown on the above map, the wellsite is in the SE-1/4 SW-1/4 of Section 30, Township 4 N, Range 8 E of the Salt Lake Base & Meridian, Summit County, State of Utah, Elevation is 7921 Feet top of hub Datum Mean Sea Level based on 3-Dimensional Control Network tied to USC & GS & USGS Benchmarks

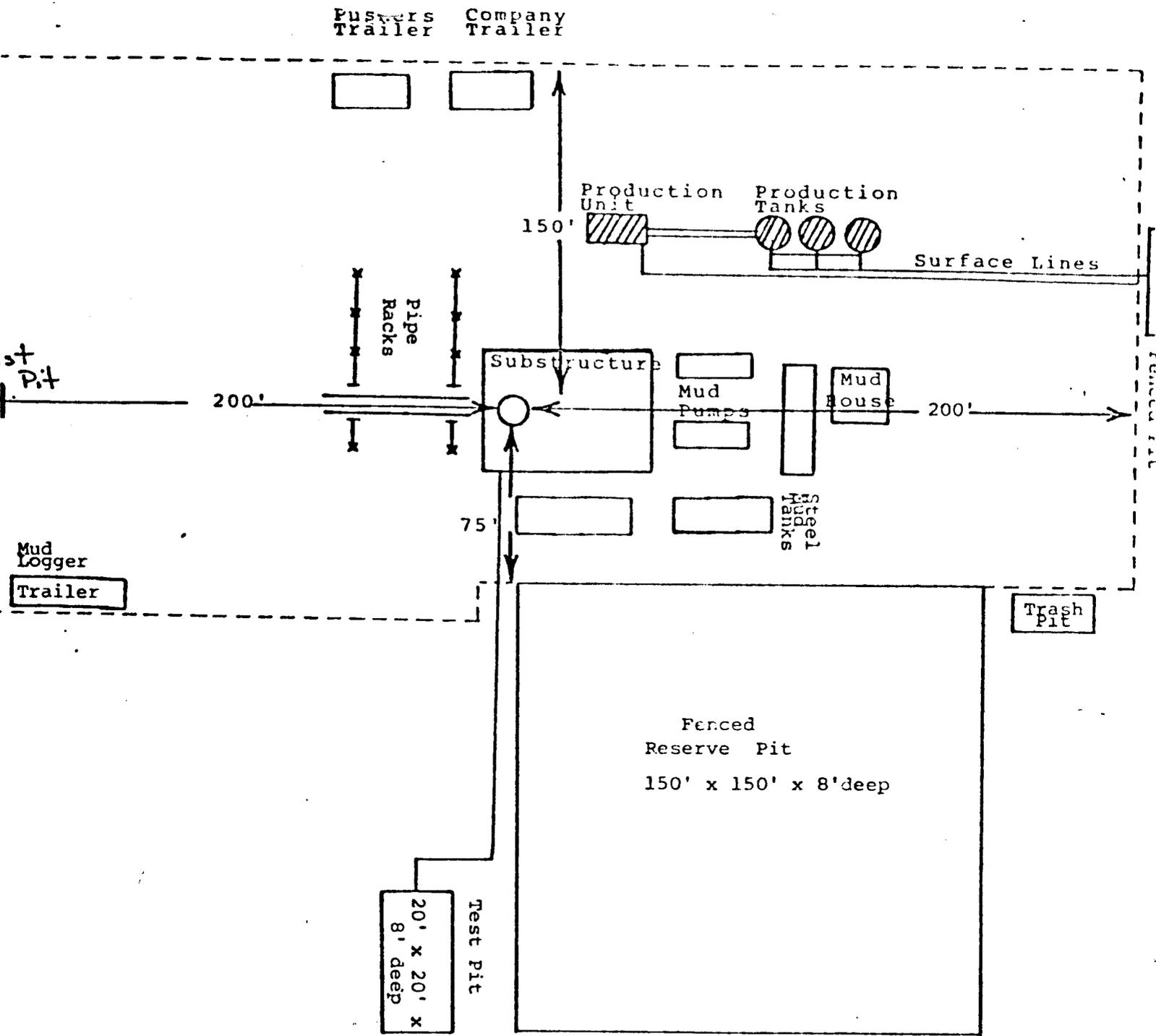
Reference point	<u>North 85° East, 300'</u>	Elev top of pin	<u>7893.7'</u>
Reference point	<u>North 85° East, 500'</u>	Elev top of pin	<u>7877.3'</u>
Reference point	<u>North 85° East, 600'</u>	Elev top of pin	<u>7879.3'</u>
Reference point			



John A. Proffit 10/21/82
 JOHN A. PROFFIT, UTAH R.L.S. NO. 2860

BOOK.: 217
 DATE: 10-18-82
 JOB NO.: 82-10-59

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



⊗ = Shows permanent production equipment to be installed after drilling rig has moved out.

--- Dotted lines indicated perimeter of leveled location.

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

TYPICAL
LOCATION
LAYOUT

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

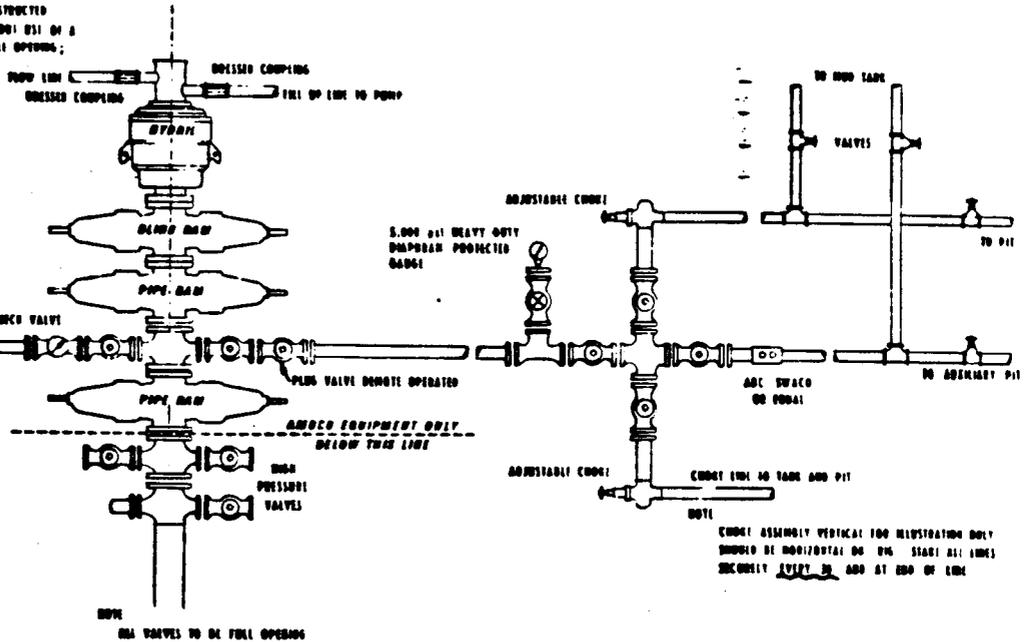
EXHIBIT "D"

EXHIBIT 00P-0000
MINIMUM BLOW-OUT PREVENTER REQUIREMENTS
 5,000 psi W.P.

NOTE

1 BOLLERS MUST BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WRENCH THROUGH ROTARY TABLE OPENING, UPON WHICH IT IS MOUNTED TO PREVENT DAMAGE.

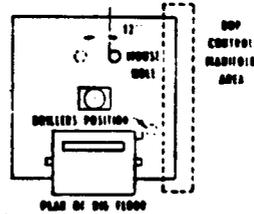
2 WEAR RINGS TO BE PROPERLY INSTALLED IN HEAD.



NOTE

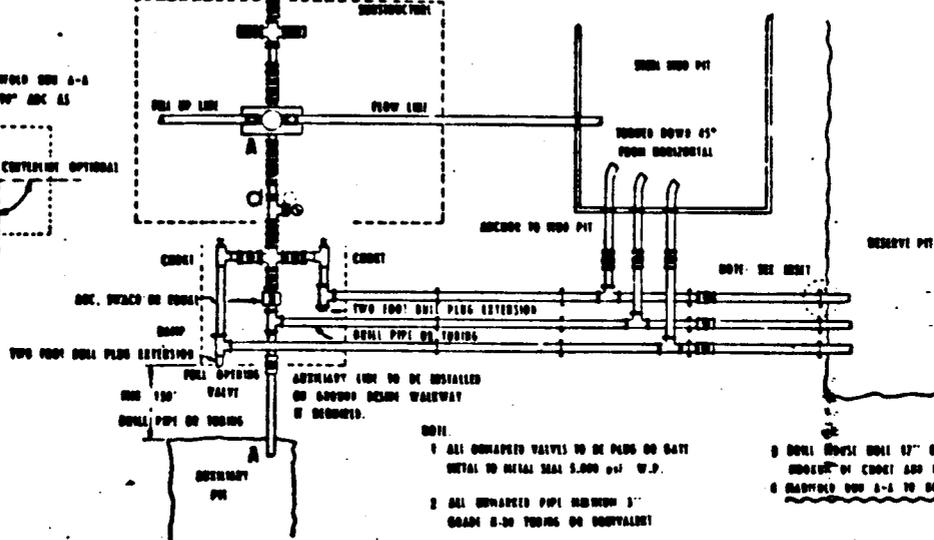
- 1 BLOW OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5,000 PSI W.P. MINIMUM
- 2 ALL FITTINGS TO BE FLANGED SCREWED CONNECTIONS REMOVED FROM COUPLER POSITIONS
- 3 SAFETY VALVE MUST BE AVAILABLE ON THE FLOOR AT ALL TIMES WITH POOPER CONNECTION ON LINE, VALVE TO BE FULLY OPEN 5,000 PSI W.P. MINIMUM.
- 4 ALL COUPLER AND OIL LINES TO BE SECURELY ANCHORED, ESPECIALLY TOPS OF COUPLER LINES
- 5 THROUGHOUT THROUGH WHICH OIL MUST PASS SHALL BE AS LARGE AS PUMP DIAMETER OF THE CASING BEING DRILLED THROUGH
- 6 STEEL COCK DO RELIEF.
- 7 EXTENSION WRENCHES AND BASH WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES
- 8 OIL FLOOR BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO BOLLERS POSITION AS FEASIBLE
- 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE AN GALLON ACCUMULATOR TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION. AND MEET ALL MAKE SPECIFICATIONS

COUPLER ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY SHOULD BE HORIZONTAL ON THE START ALL LINES SECURELY TIGHTENED AND AT END OF LINE



NOTE

DIRECTION OF HANDFOLD SEE A-A OPTIONAL WITHIN 90° ARC AS SHOWN BELOW



NOTE

- 1 ALL REMOVED VALVES TO BE PLUG OR GATE UNTIL A METAL SEAL 5,000 PSI W.P.
- 2 ALL REMOVED PIPE MINIMUM 3" GRADE 8-30 TUBING OR EQUIVALENT
- 3 BOLLER SHOULD BE 12" OFF CENTER W/ BOLLERS OF COUPLER AND HANDFOLD IS UPPER DAMP
- 4 HANDFOLD SEE A-A TO BE STRAIGHT 100% OPEN

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

OPERATOR AMOCO PRODUCTION CO

DATE 12-13-82

WELL NAME CHAPELIN 458 AMOCO "E" #5

SEC SE SW 30 T 4N R 8E COUNTY SUMMIT

43-043-30216

API NUMBER

FEE

TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

12/13/82
HJF. ✓

APPROVAL LETTER:

SPACING:

A-3 ANSCHUTZ RANCH EAST
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *BLANKET FEE*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT *BRUSCHWITZ BRIDGE EAST*

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

December 13, 1982

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

RE: Well No. Champlin 458 Amoco E #5
SESW Sec. 30, T.4N, R.8E
Summit County, Utah

Gentlemen:

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

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

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

OR

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

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

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

The API number assigned to this well is 43-043-30216.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
Enclosure

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME Anschutz Ranch East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 626' FSL & 2848' FEL		8. FARM OR LEASE NAME Anschutz Ranch East Unit
14. PERMIT NO. 43-043-30216	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7921' GR	9. WELL NO. W31-02
		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T4N, R8E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> REPORT OF OPERATIONS	

(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: 12/13/82

Drilling Contractor: Noble #862

Drilling Ahead at 10,349' w/12 1/4" bit

Casing: 13 3/8" SA 4876'

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

SIGNER [Signature] TITLE Administrative Supervisor DATE 2/28/83

(This space for Federal or State office use)

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

DOUBLE "D" ENTERPRISES

B.O.P. Test Report

B.O.P. TEST PERFORMED ON: 3-12-83

WELL NO: Amoco Prod.

WELL NAME & NUMBER ARE unit W-31

SECTION: _____

TOWNSHIP: _____

RANGE: _____

COUNTY: Summit

STATE: Utah

DRILLING CONTRACTOR: _____

ESTABLISHED: DOUBLE "D" ENTERPRISES, INC.
712 Morse Lee Street
Evanston, Wyoming 82930
PHONE NUMBERS: (307) 789-9213, or (307) 789-5821

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

INVOICES BILLED OUT OF:

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

DRILLING SITE REPRESENTATIVE: John Buttery

RIG TOOL PUSHER: George

TESTED OUT OF Evanston OFFICE:

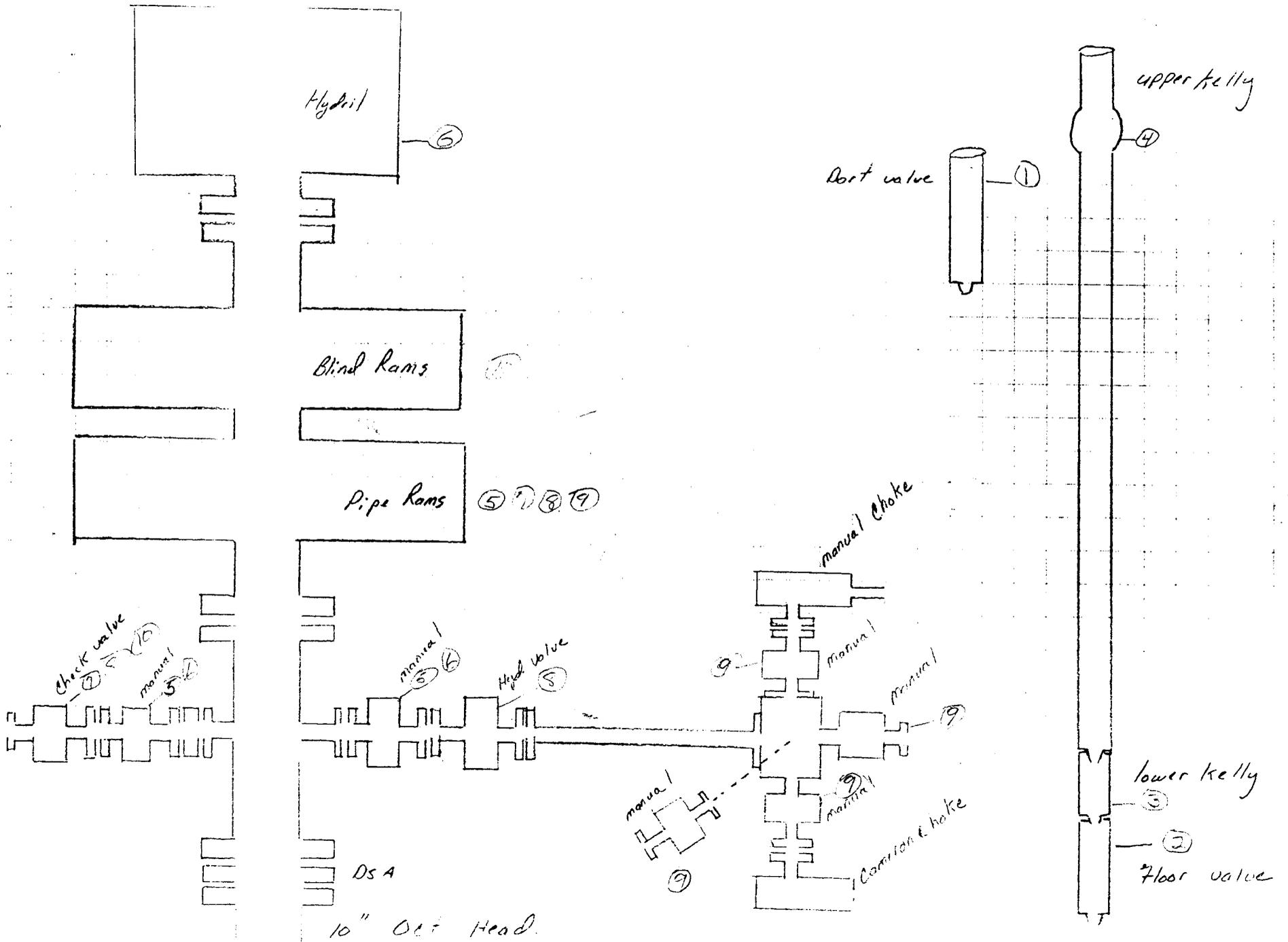
NOTIFIED PRIOR TO TEST: Attached to Utility Utah Oil & Gas Comm.

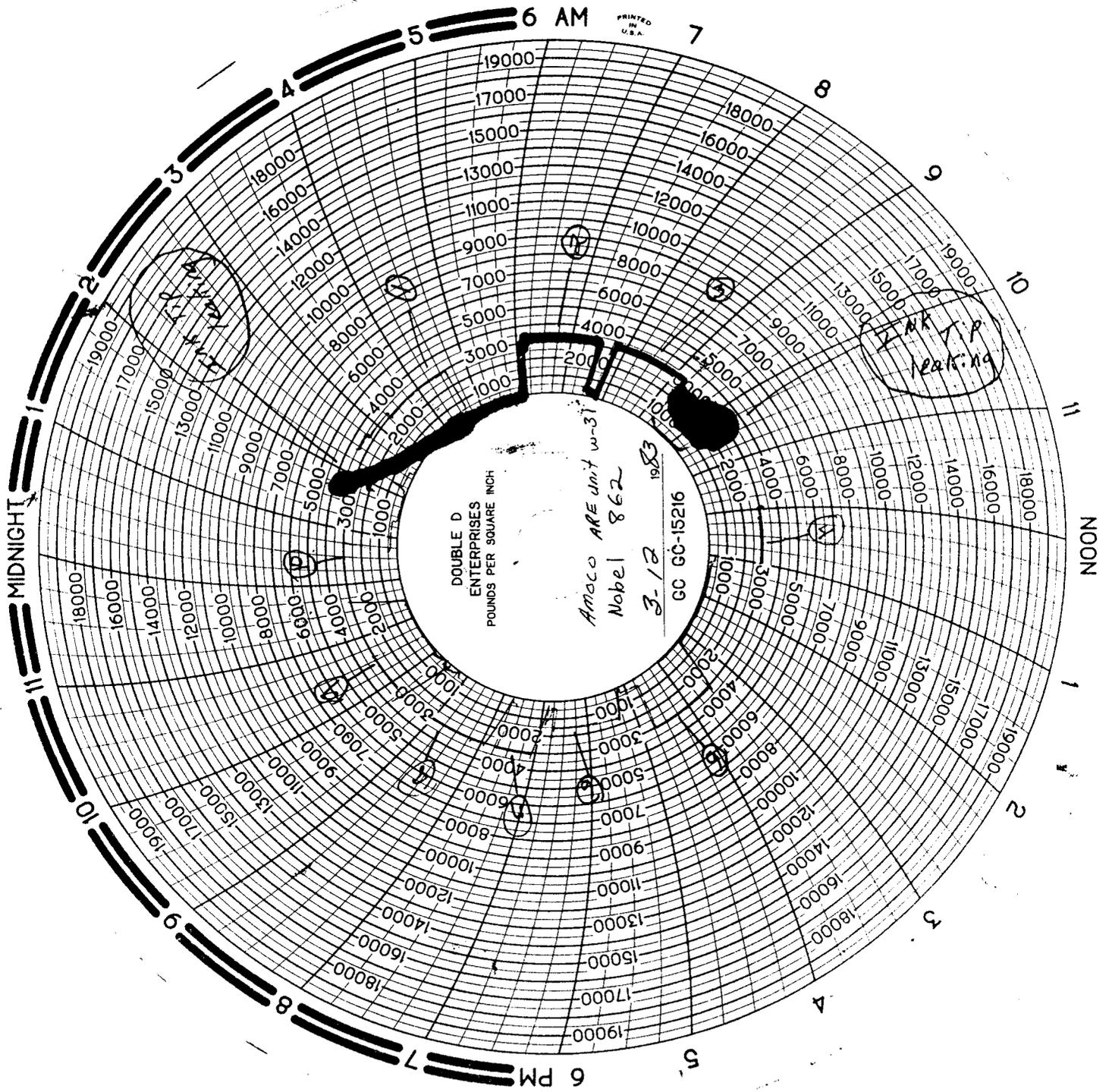
COPIES OF THIS TEST REPORT SENT COPIES TO: _____

ORIGINAL CHART & TEST REPORT ON FILE AT: Evanston OFFICE

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

- 4:30 - 5:30 Travel
- 5:30 - 6:45 Rig up floor etc. to test
- 6:45 - 7:00 ① Test Dart valve
- 7:00 - 7:15 Pick up kelly
- 7:15 - 7:30 ② Test floor valve
- 7:30 - 7:45 ③ Test Lower Kelly
- 7:55 - 8:10 ④ Test upper Kelly
- 8:10 - 8:55 Set plug - for B.O.P.s to test
- 8:55 - 9:10 ⑤ Test pipe Rams & Inside manual on choice of kill lines
- 9:15 - 9:30 ⑥ Test Hydril " "
- 9:30 - 9:40 ⑦ Test pipe Rams outside manual on kill line - Inside Manual on choice
- 9:40 - 9:55 ⑧ Test pipe Rams " " HCR valve
- 9:55 - 10:00 Kookey low on fluid - refill w/ fluid.
- 10:00 - 10:35 ⑨ Test pipe Rams - valves in manifold
- 10:40 - 10:55 ⑩ Test Blind Rams





PRINTED IN U.S.A.

DOUBLE D
ENTERPRISES
POUNDS PER SQUARE INCH

Amoco ARE unit w-31
Nobel 862
3-12 1983
GC 60-15216

scribble

MIDNIGHT

NOON

6 PM

6 AM

3
14

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION:

NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

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

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

At surface 626 FSL, 2432 FWL, Sec. 30, T4N, R8E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

43-043-30216

12-13-82

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Anschutz Ranch East

8. FARM OR LEASE NAME

Anschutz Ranch East

9. WELL NO.

W31-02

10. FIELD AND POOL, OR WILDCAT

Anschutz Ranch East

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

30
31
Sec. 30, T4N, R8E

12. COUNTY OR PARISH

Summit

13. STATE

Utah

15. DATE SPUNDED

12-10-82

16. DATE T.D. REACHED

4-1-83

17. DATE COMPL. (Ready to prod.)

5-10-83

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

GR 7913'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

13694' MD

21. PLUG, BACK T.D., MD & TVD

13457' MD

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

Rotary Tools

Cable Tools

Surf. to TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

12528-13156' MD

Nugget Sandstone

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

FDC-CNL, DIL, HDT, BHS, Microlog

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	133#	270	26"	615 sxs	None
13 3/8"	72#	4876	17 1/2"	4425 sxs	None
9 5/8-9 7/8"	47#-62.8#	10069	12 1/4"	793 sxs	None
7"	32#	13676	8 1/2"	335 sxs	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None							

31. PERFORATION RECORD (Interval, size and number)

12528' - 12618', 12638' - 12658'
12670' - 12730', 12798' - 12826'
12852' - 12932', 12952' - 13038'
13064' - 13156'

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)					
5-7-83	Flowing	Shut - In GIW.					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-8-83	24	20/64"	→	790	6055	54	7665
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
2508	300	→	790	6055	54	49° API	

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

Will be a Gas Injection Well

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

Jerry L. Smith

TITLE

Staff Admin. Analyst (SG)

DATE

6-7-83

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

INSTRUCTIONS

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

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

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

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS																																				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.																																			
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 60%;">NAME</th> <th colspan="2" style="text-align: center;">TOP</th> </tr> <tr> <th style="width: 20%;">MEAS. DEPTH</th> <th style="width: 20%;">TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Bear River</td> <td style="text-align: center;">5186</td> <td></td> </tr> <tr> <td>Gannet</td> <td style="text-align: center;">6457</td> <td></td> </tr> <tr> <td>Preuss</td> <td style="text-align: center;">9589</td> <td></td> </tr> <tr> <td>Watton Canyon</td> <td style="text-align: center;">11645</td> <td></td> </tr> <tr> <td>Boundary Ridge</td> <td style="text-align: center;">11900</td> <td></td> </tr> <tr> <td>Rich</td> <td style="text-align: center;">12042</td> <td></td> </tr> <tr> <td>Sliderock</td> <td style="text-align: center;">12307</td> <td></td> </tr> <tr> <td>Gypsum Springs</td> <td style="text-align: center;">12398</td> <td></td> </tr> <tr> <td>Nugget</td> <td style="text-align: center;">12515</td> <td></td> </tr> <tr> <td>Anhareh</td> <td style="text-align: center;">13561</td> <td></td> </tr> </tbody> </table>	NAME	TOP		MEAS. DEPTH	TRUE VERT. DEPTH	Bear River	5186		Gannet	6457		Preuss	9589		Watton Canyon	11645		Boundary Ridge	11900		Rich	12042		Sliderock	12307		Gypsum Springs	12398		Nugget	12515		Anhareh	13561	
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Nugget	12515																																					
Anhareh	13561																																					
Nugget	12515	13562	FTP = 2508 psig, SI BHP = 5161 psig 6055 MCFD, 790 BCPD, 54 BWPD - Flow Test 5-8-83																																			



Amoco Production Company

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

T. G. Doss
District Superintendent

June 3, 1983

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

File: VEP-96-WF

Injection Well Application
ARE W31-02
Anschutz Ranch East
Summit County, Utah

RECEIVED
JUN 10 1983

DIVISION OF
OIL GAS & MINING

As requested by C. B. Feight (January 24, 1983), the following application for an Underground Injection Control Class II Well is submitted for your review and approval. The Anschutz Ranch East W31-02 well is the sixth well to be used for gas injection purposes in the Anschutz Ranch East field (reference Amoco Production Company letter dated April 7, 1983). Please find attached the above mentioned application and attachments for the ARE W31-02 well.

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

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

Please direct any questions to M. D. Bingham in the Salt Lake City office
at (801) 264-2200.

A handwritten signature in black ink, appearing to read "T.G. Doss". The signature is written in a cursive style with a large, sweeping initial "T" and "D".

T. G. Doss
District Superintendent

MDB/slw

Attachments

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE 1-5 & RULE 1-4)

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

IN THE MATTER OF THE APPLICATION OF
Amoco Production Company, USA
ADDRESS P. O. Box 829
Evanston, Wyoming ZIP 82930
INDIVIDUAL PARTNERSHIP CORPORATION
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE ARE W31-02 WELL
SEC. 30 TWP. 4N RANGE 8E
Summit COUNTY, UTAH

CAUSE NO. 1110-022

ENHANCED RECOVERY INJ. WELL	<input checked="" type="checkbox"/>
DISPOSAL WELL	<input type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE 1-4)	<input type="checkbox"/>

APPLICATION

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

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

Lease Name <u>Champlin 458 E-5</u>	Well No. <u>ARE W31-02</u>	Field <u>Anschutz Ranch East</u>	County <u>Summit</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SE SW</u> Sec. <u>30</u> Twp. <u>4N</u> Rge. <u>8E</u>			
New Well To Be Drilled Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>5/83</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>2115'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Gas
Location of Injection Source(s) <u>Nitrogen extraction plant Uinta County, Wyoming</u>	Geologic Name(s) and Depth of Source(s) <u>Nitrogen extraction via atmosphere</u>		
Geologic Name of Injection Zone <u>Nugget</u>	Depth of Injection Interval <u>12515</u> to <u>13562</u>		
a. Top of the Perforated Interval: <u>12528</u>	b. Base of Fresh Water: <u>2115</u>	c. Intervening Thickness (a minus b) <u>10413'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? (YES) <input checked="" type="checkbox"/> (NO) <input type="checkbox"/>			
Lithology of Intervening Zones <u>Gannet (clay stone); Preuss (sandstone/shale); Salt; Twin Creek (lime stone)</u>			
Injection Rates and Pressures Maximum <u>35</u> MMSCFD <u>5500</u> B/D PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>All interest owners in Anschutz Ranch East are members of a unit agreement.</u>			

State of Utah Applicant Amoco Production Company
County of Salt Lake

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

Suscribed and sworn to before me this 3RD day of June, 19 83

SEAL

My commission expires 3-12-87

Betty L. Campbell
Notary Public in and for Salt Lake County,
Utah

(OVER)

PLEASE TYPE OR USE BLACK INK ONLY

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

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

DIVISION OF OIL, GAS, AND MINING

Room 4241 State Office Building

Salt Lake City, Utah 84114

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

COMPANY OPERATING Amoco Production Company

OFFICE ADDRESS P. O. Box 829

TOWN Evanston STATE ZIP WY 82930

FARM NAME Champlin 458 E-5 ARE W31-02

DRILLING STARTED 12 1982 DRILLING FINISHED 4 1983

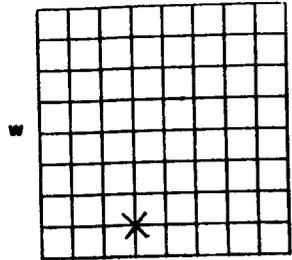
DATE OF FIRST PRODUCTION N/A COMPLETED 5/83

WELL LOCATED 1/4 SE 1/4 SW 1/4
626 FT. FROM SL OF 1/4 SEC. & 2432 FT. FROM WL OF 1/4 SEC.

ELEVATION DERRICK FLOOR 7935 GROUND 7913

COUNTY
LEASE NO.

API NO. 640 Acres



Locate Well Correctly
and Outline Lease

TYPE COMPLETION

Single Zone X

Multiple Zone _____

Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Nugget	12515	13562			

CASING & CEMENT

Casing Set				Cog. Test	Cement		
Size	Wgt.	Grade	Feet	Pal	Sex	Fillup	Top
20"	133#	K-55	270'	--	615	--	--
13 3/8"	72#	SS-95	4876'		4425		
9 7/8"	62.8#	S-105	1000'				
9 5/8"	47#	N-80	10069'		793'		
7"	32#	N-80	13676'	2000	335		

TOTAL DEPTH 13694

PACKERS SET DEPTH 12185

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	1	2	3
Nugget			
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	12528-13156		
INTERVALS			
ACIDIZED?	No		
FRACTURE TREATED?	No		

INITIAL TEST DATA

Date	5/8/83		
Oil, bbl./day	790		
Oil Gravity	52		
Gas, Cu. Ft./day	6,055,000 CF	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	7665		
Water-Bbl./day	0		
Pumping or Flowing	Flowing		
CHOKE SIZE	20/64ths		
FLOW TUBING PRESSURE	2500 psia		

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

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

Telephone 801-264-2200 T.G. 10 District Superintendent
Name and title of representative of company

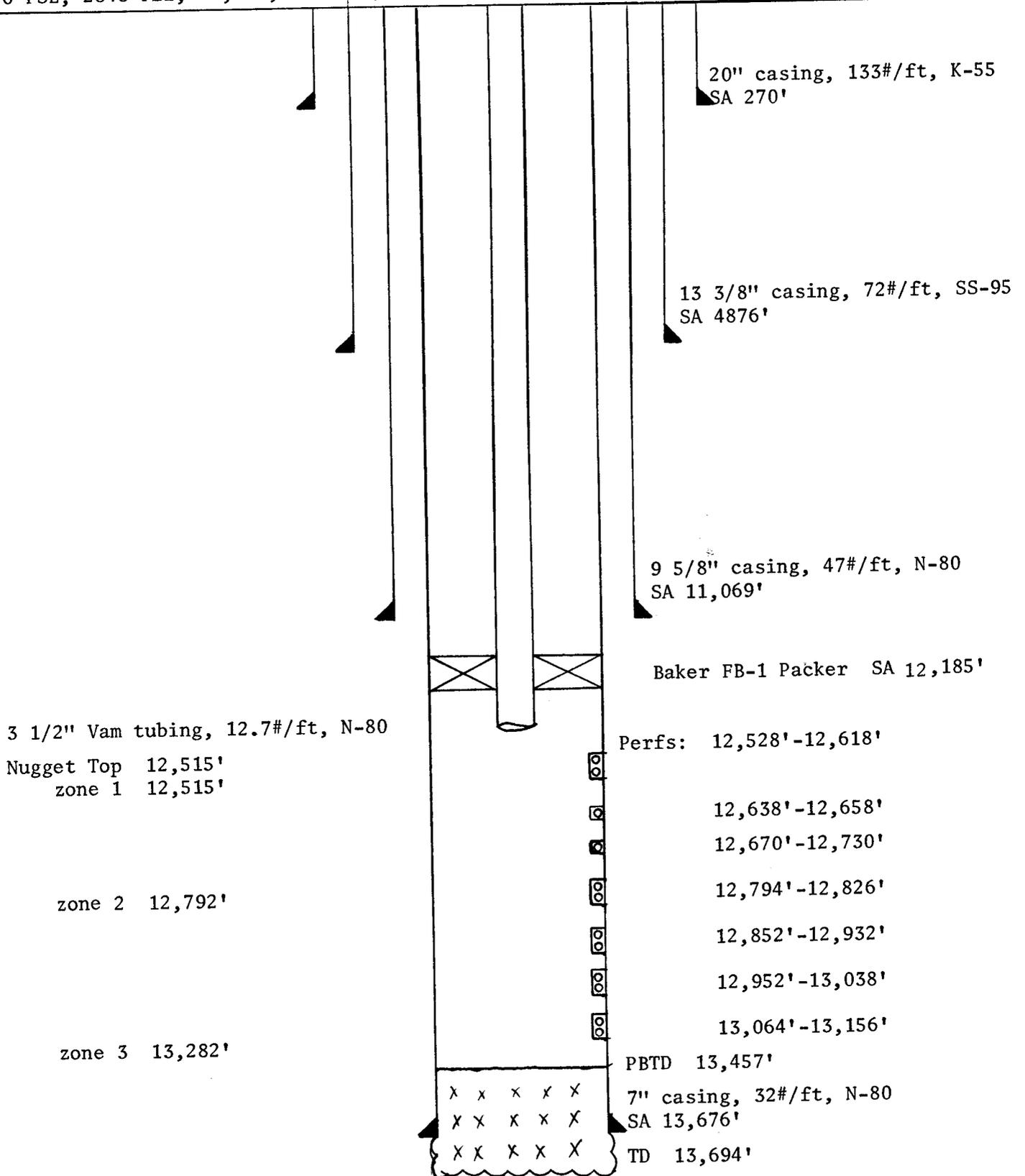
Subscribed and sworn before me this 3RD day of June, 19 83

Anschutz Ranch East Wellbore Diagram

Anschutz W31-02

626 FSL, 2848 FEL, SE, SW, Sec. 30, T4N, R8E, Summit County, Utah

7935 KB 7913 GL



LIST OF ATTACHMENTS

MAP

SURFACE OWNERS

INJECTION

INJECTION OPERATING DATA

ARE MIXING STATION

WELLHEAD SCHEMATIC

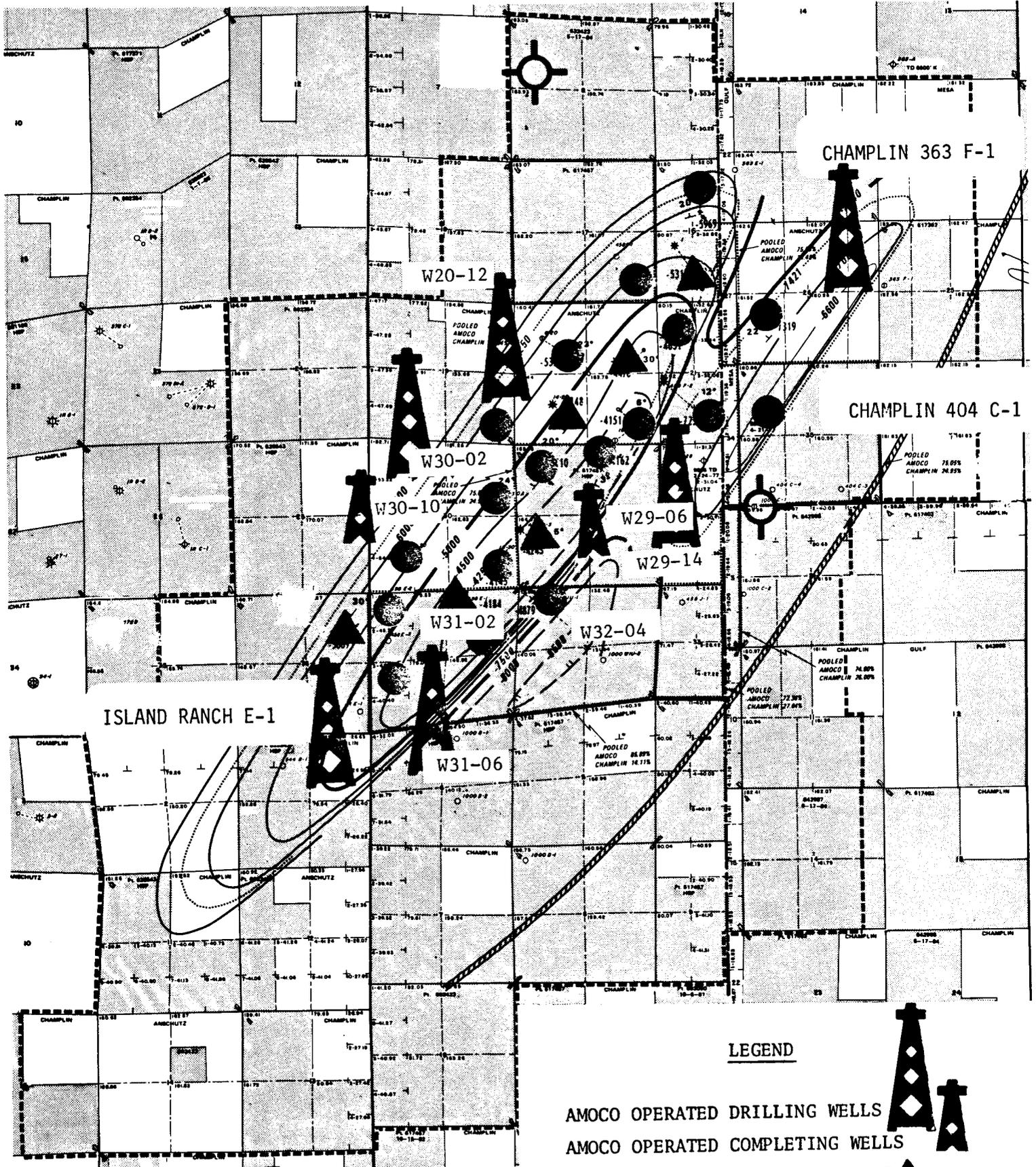
FORMATION PRESSURE TESTING

MECHANICAL INTEGRITY TEST

PRESSURE TESTING

INDIVIDUAL WELL DATA

ANSCHUTZ RANCH EAST



ISLAND RANCH E-1

CHAMPLIN 363 F-1

CHAMPLIN 404 C-1

LEGEND

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

ANSCHUTZ RANCH EAST

Surface Owners Within One-half Mile of the W31-02 Injection Well
 Amoco Operates All the Wells in the Field

<u>WELL</u>	<u>TYPE</u>	<u>TOTAL DEPTH</u>	<u>SURFACE OWNERS</u>
W30-14	Producing	14,110'	Anschutz-Sec. 30
W30-16	Producing	14,193'	Anschutz-Sec. 30 Anschutz-Sec. 29
W31-02	Injection	13,694'	Anschutz-Sec. 31
W31-04	Producing	14,250'	Anschutz-Sec. 31 Anschutz-Sec. 36
W31-06	Drilling	-	Anschutz-Sec. 31
W31-08	Producing	14,710'	Anschutz-Sec. 31
W32-04	Producing	14,197'	Thousand Peaks-Sec. 32 Anschutz-Sec. 29

INJECTION

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

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

Injection Operating Data

ARE Injection Wells

Design injection press = 6150 psi

design injection rate = 160 MMSCFD total

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

1. Max of 35% N₂ (excess is vented to atmosphere)
2. Max injection pressure of 5500 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)

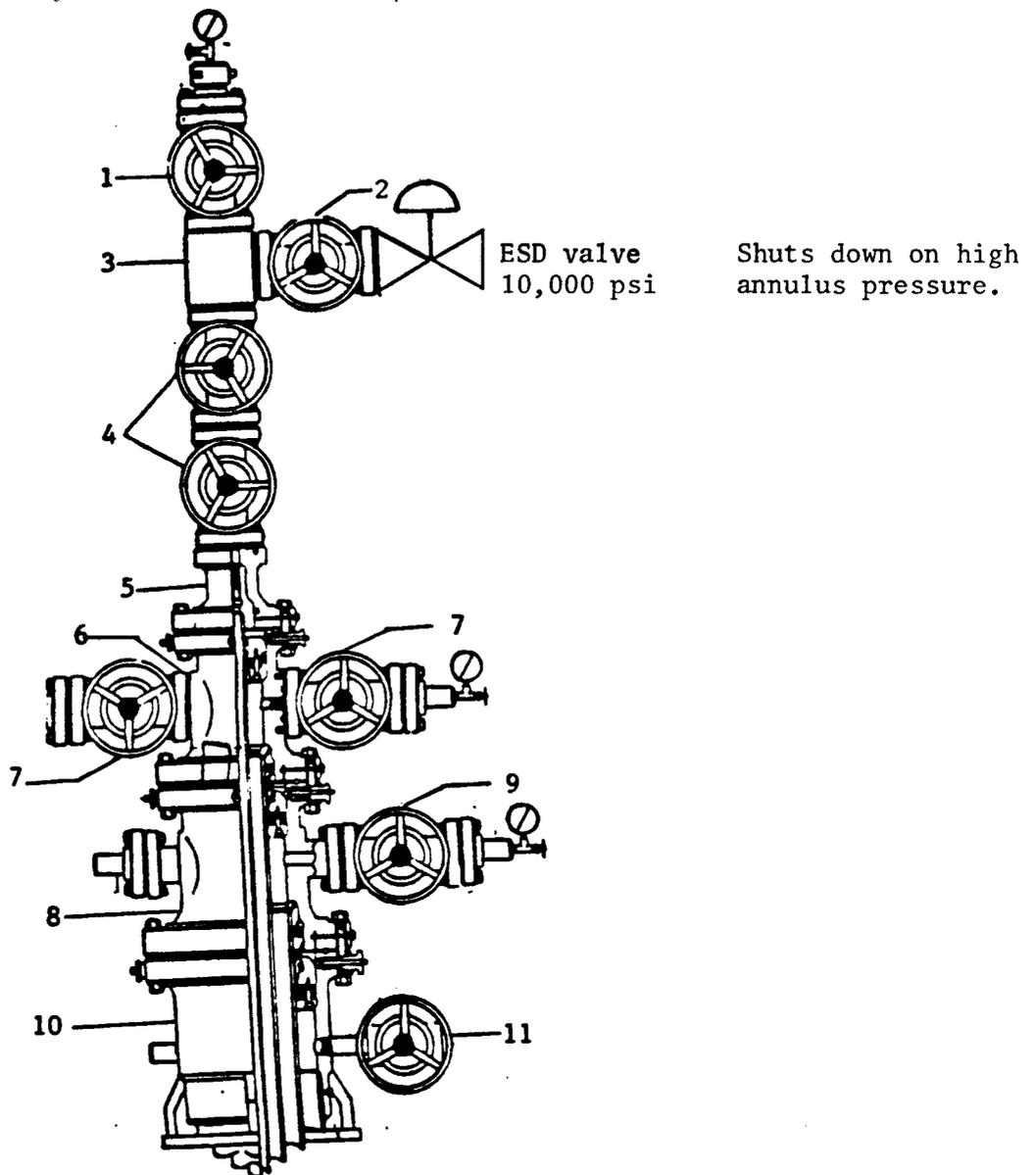
1. High pressure, high temperature shutdown switches.
2. Pressure relief valve (6200 psi)

Wellhead Safety equipment:

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

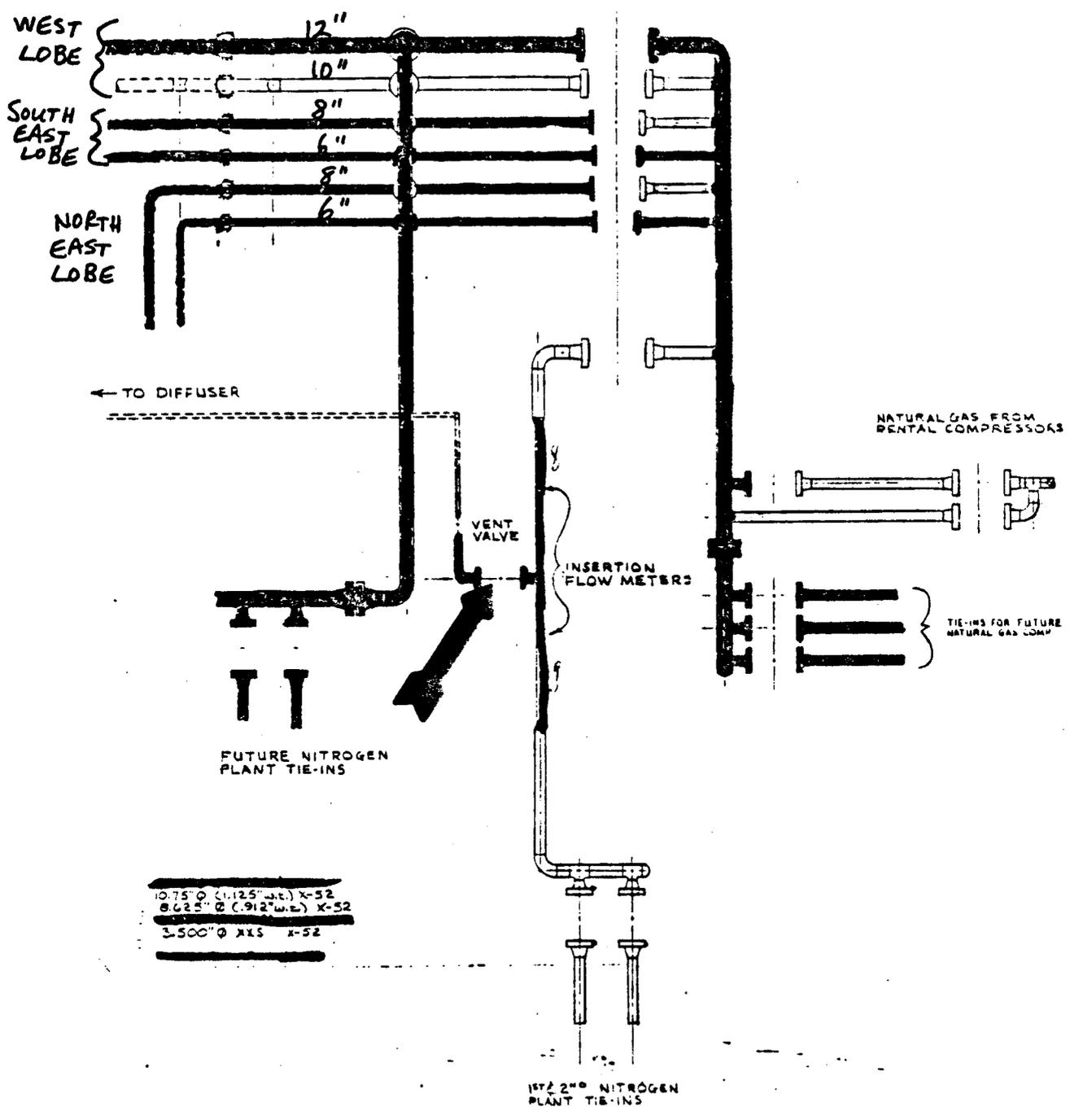
Contingency Plan

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.



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



← TO DIFFUSER

VENT VALVE

INSERTION FLOW METERS

NATURAL GAS FROM RENTAL COMPRESSORS

TIE-INS FOR FUTURE NATURAL GAS COMP

FUTURE NITROGEN PLANT TIE-INS

1ST & 2ND NITROGEN PLANT TIE-INS

10.75" O.D. (1.125" wall) X-52
8.625" O.D. (0.912" wall) X-52
3.500" O.D. X15 X-52

ARE Mixing Station
Scale - 1/4" = 1'
02.5000 011

Formation Testing Programs

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

Continuous monitoring of produced fluids is being undertaken. Sampling occurs on every well on a bi-weekly basis. This is to determine if breakthrough of nitrogen has occurred and if corrosive conditions are present.

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

46 0700

Bottom Hole Pressure

KE 10 X 10 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

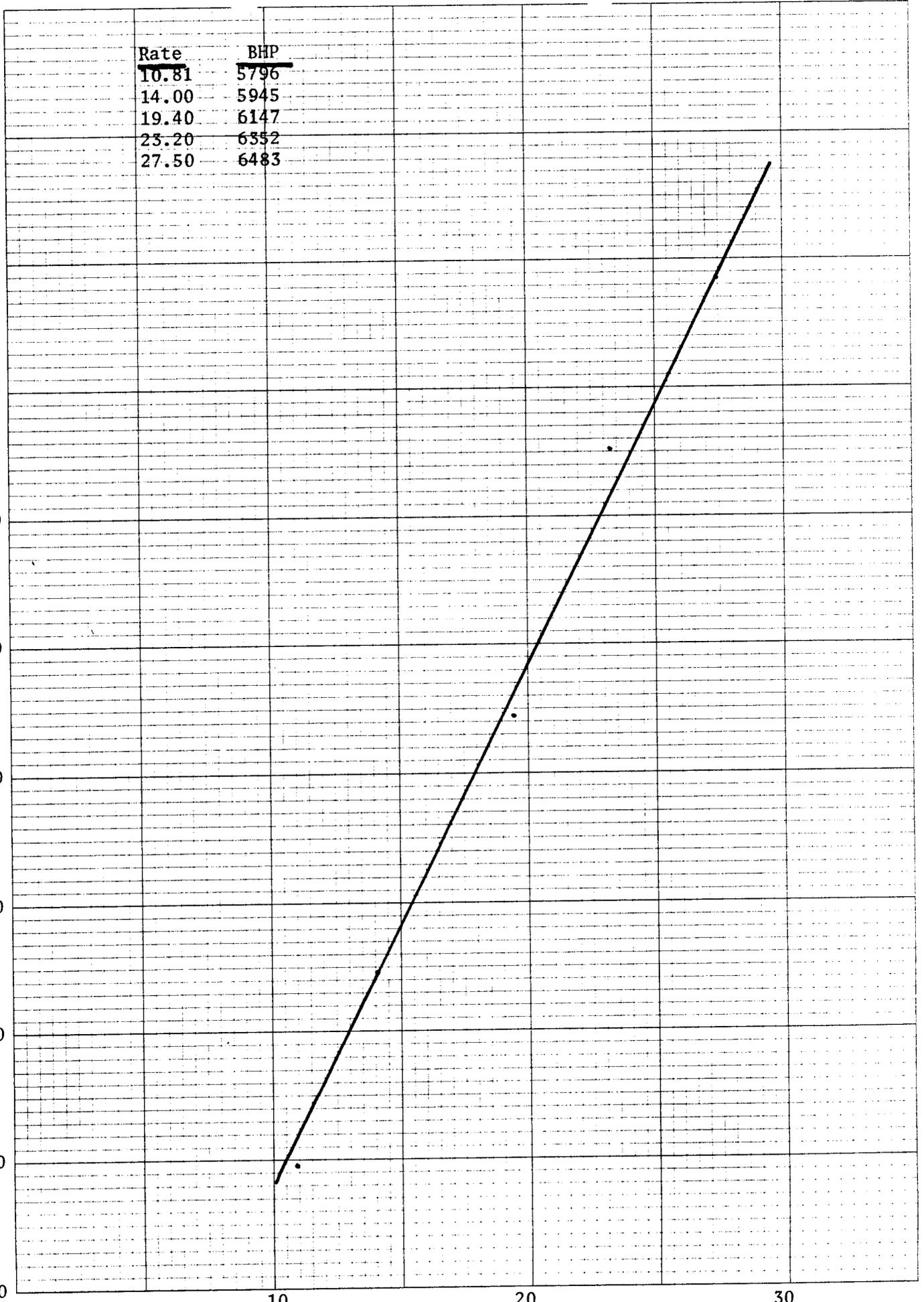
6600
6500
6400
6300
6200
6100
6000
5900
5800
5700

10

20

30

Q (MMSCFD)



MECHANICAL INTEGRITY TEST

In reference to Rule 1-5-b-8 concerning mechanical integrity tests, Amoco's procedure is to fill the casing with 2% KCL water after drilling out cement from the primary cement job and then apply 1000-1500 psi to the casing while running a CBL. This is a pressure test of about 7200-7700 psi at bottom-hole conditions in a 14,000' well. Additional tests are performed when cement retainers or packers are set. The annulus is usually tested to 1500 psi with 2% KCL water in the hole to make sure the cement retainers or packers are not leaking. The pressure is applied by pumping down the backside with a rig pump. When the final packer and production strings are set in the hole the casing tubing annulus is pressure tested to 1500-3000 psi with corrosion inhibited 2% KCL water in the casing-tubing annulus.

PRESSURE TESTING

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

ARE W31-02 - Operating Data

Twin Creek

lithology - limestone
thickness - 1515'
depth - 11,000'

Nugget

lithology - sandstone
thickness - 1047'
depth - 12,515'

Ankareh

lithology - sandstone
thickness - not determined due to lack of penetration.
depth - 13,562'

Cement Bond Log Evaluation of Anschutz Ranch East
ARE W31-02 Injection Well

Fair bond below Nugget formation
Fair bond in base of Nugget formation
Fair bond across the Nugget formation
Fair bond above the Nugget formation



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 15, 1983

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

Re: Cause No. UIC-022

Gentlemen:

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

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 22nd day of June, 1983. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

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

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson

MARJIE L. LARSON
Secretary of the Board

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

IN THE MATTER OF THE APPLICATION)
OF AMOCO PRODUCTION COMPANY U.S.A.,)
FOR ADMINISTRATIVE APPROVAL TO) CAUSE NO. UIC-022
INJECT GAS INTO A WELL LOCATED IN)
SECTION 30, TOWNSHIP 4 NORTH,)
RANGE 8 EAST, SUMMIT COUNTY,)
UTAH.)

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS,
PARTICULARLY IN SUMMIT COUNTY, UTAH:

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

Township 4 North, Range 8 East

Sec. 30 Well # ARE W31-02

SE SW

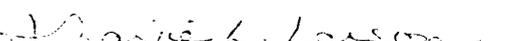
INJECTION ZONE: Nugget Formation 12515' to 13562'

MAXIMUM INJECTION PRESSURE: 5,500 psi

MIXIMUM INJECTION RATE: 35 MMSCFD

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJIE L. LARSON
Secretary of the Board

CAUSE NO. UIC-022

Notice of hearing was sent to the following:

Newspaper Agency Corp.
Summitt County Bee
Park Record

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

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

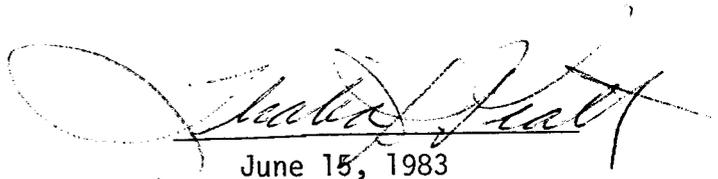
Anschutz Land & Livestock Co., Inc.
c/o The Anschutz Corp.
2400 Anaconda Tower
555 17th Street
Denver, CO 80202

Bountiful Livestock Co.
1162 East 15th South
Woods Cross, UT 84087
Champlin Petroleum Co.
5800 S. Quebec,
Box 1257
Englewood, CO 80150

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

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

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



June 15, 1983



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 15, 1983

Park Record
Legal Advertising
Park City, UT 84060

Re: Cause No. UIC-022

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Very truly yours

DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson

MARJIE L. LARSON
Secretary of the Board



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

June 15, 1983

Summitt County Bee
Legal Advertising
Coalville, UT 84017

Re: Cause No. UIC-022

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Very truly yours,

DIVISION OF OIL, GAS AND MINING

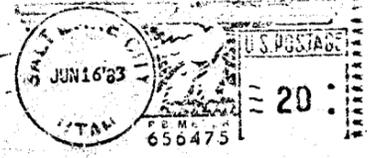
A handwritten signature in cursive script that reads "Marjie L. Larson".

MARJIE L. LARSON
Secretary of the Board

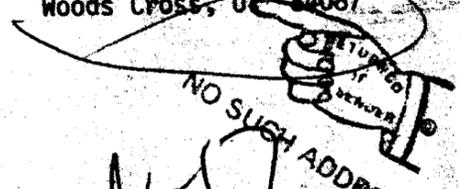
 STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining
4241 State Office Building • Salt Lake City, UT 84114

TRAIL PRATE

410-022



Bountiful Livestock Co.
1162 East 15th South
Woods Cross, UT 84087



NO SUCH ADDRESS
NAT

RECEIVED

JUN 20 1983

DIVISION OF
OIL, GAS & MINING

an equal opportunity employer

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

IN THE MATTER OF THE APPLICATION)
OF AMOCO PRODUCTION COMPANY U.S.A.,)
FOR ADMINISTRATIVE APPROVAL TO) CAUSE NO. UIC-022
INJECT GAS INTO A WELL LOCATED IN)
SECTION 30, TOWNSHIP 4 NORTH,)
RANGE 8 EAST, SUMMIT COUNTY,)
UTAH.)

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS,
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Sec. 30 Well # ARE W31-02

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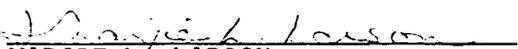
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MAXIMUM INJECTION PRESSURE: 5,500 psi

MIXIMUM INJECTION RATE: 35 MMSCFD

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJIE L. LARSON
Secretary of the Board

Affidavit of Publication

STATE OF UTAH,
County of Salt Lake

ss.

Cheryl Gierloff

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

That the legal notice of which a copy is attached hereto

Hearing on Case No. UIC-022 in the matter of
the application of Amoco Production Co. . . .

was published in said newspaper on

June 22, 1983

Cheryl Gierloff
Legal Advertising Clerk

BEFORE THE DIVISION OF OIL, GAS AND MINING
Room 4241
State Office Building
Salt Lake City, UT 84114
CAUSE NO. UIC-022
IN THE MATTER OF THE APPLICATION FOR AMOCO PRODUCTION COMPANY U.S.A. FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO A WELL LOCATED IN SECTION 30, TOWNSHIP 4 NORTH, RANGE 8 EAST, SUMMIT COUNTY, UTAH. THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS, AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SUMMIT COUNTY, UTAH: NOTICE IS HEREBY GIVEN that Amoco Production Company, U.S.A., P.O. Box 829, Evanston, Wyoming, 82930, is requesting that the Division authorize the approval to convert the well mentioned below, to a gas injection well as follows:
Township 4 North,
Range 8 East
Sec. 30 Well ARE W31-02
SE SW
INJECTION ZONE: Nugget Formation 12515 to 13562
MAXIMUM INJECTION PRESSURE: 55,000 psi
MAXIMUM INJECTION RATE: 10 MSCP
This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah 84114.
STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJIE L. LARSON
Secretary of the Board
D-44

Subscribed and sworn to before me this23rd..... day of
June..... A.D. 19...83...

Notary Public

My Commission Expires

July 23, 1986



Affidavit of Publication

STATE OF UTAH,
County of Salt Lake

SS.

Cheryl Gierloff

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

That the legal notice of which a copy is attached hereto

Hearing on Case No. UIC-022 in the matter of
the application of Amoco Production Co. . .

was published in said newspaper on

June 22, 1983

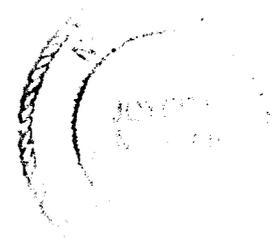
Cheryl Gierloff
Legal Advertising Clerk

BEFORE THE DIVISION OF OIL, GAS AND MINING
Room 4241
State Office Building
Salt Lake City, UT 84114
CAUSE NO. UIC-022
IN THE MATTER OF THE APPLICATION OF AMOCO PRODUCTION COMPANY U.S.A. FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO A WELL LOCATED IN SECTION 30, TOWNSHIP 4 NORTH, RANGE 8 EAST, SUMMIT COUNTY, UTAH.
THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHERS INTERESTED PERSONS, PARTICULARLY IN SUMMIT COUNTY, UTAH:
NOTICE IS HEREBY GIVEN that Amoco Production Company, U.S.A., P.O. Box 829, Evanston, Wyoming, 82930, is requesting that the Division authorize the approval to convert the well mentioned below, to a gas injection well as follows:
Township 4 North,
Range 8 East
Sec. 30 Well #ARE W31-02
SE SW
INJECTION ZONE: Nugget Formation 12515' to 13542'
MAXIMUM INJECTION PRESSURE: 35,400 psi
MAXIMUM INJECTION RATE: 30 MMSCFD
This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241, State Office Building, Salt Lake City, Utah 84114.
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
MARJIE L. LARSON
Secretary of the Board
D-44

Subscribed and sworn to before me this 23rd day of June A.D. 1983.

Notary Public

My Commission Expires July 23, 1986



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 AMOCO Prod Cause No. UIC-022

was published in said newspaper for 1 ~~con-~~
~~secutive~~ issues, the first publication having been made on the
24 day of June, 19 83, and the last
on the _____ day of _____, 19____, that said
notice was published in the regular and entire issue of every number
of the paper during the period and times of publication, and the same
was published in the newspaper proper and not in any supplement.

Shirley B. Phelps

Subscribed and sworn to before me this 24 day of
June, 19 83.

Susan J. Buys
Notary Public

My commission expires 1 November, 19 84.

BEFORE THE DIVISION OF OIL, GAS AND MINING Room 4241 State Office Building Salt Lake City, Utah 84114
IN THE MATTER OF THE APPLICATION OF AMOCO PRODUCTION COMPANY U.S.A., FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO A WELL LOCATED IN SECTION 30, TOWNSHIP 4 NORTH, RANGE 8 EAST. SUM-

MIT COUNTY, UTAH.

CAUSE NO. UIC-022

THE STATE OF UTAH TO ALL PERSON, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SUMMIT COUNTY, UTAH:

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

Township 4 North, Range 8 East

Sec. 30 Well # ARE W31-02 SE SW

INJECTION ZONE: Nugget Formation 2515' to 13562'

MAXIMUM INJECTION PRESSURE: 5,500 psi

MAXIMUM INJECTION RATE: 35 MMSCFD

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

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING

MARJIE L. LARSON
Secretary of the Board

Published in the Summit County Bee June 24, 1983.

PROOF OF PUBLICATION



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

I, Shirley B. Phelps

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

ly newspaper of general circulation, published once each week at
Coalville, Utah, that the notice attached hereto and which is a
Application of AMOCO Prod Cause No. UIC-022

was published in said newspaper for 1 ~~con-~~
~~secutive~~ ~~issues~~, the first publication having been made on the
24 day of June, 19 83, and the last
on the _____ day of _____, 19____, that said
notice was published in the regular and entire issue of every number
of the paper during the period and times of publication, and the same
was published in the newspaper proper and not in any supplement.

Shirley B. Phelps

Subscribed and sworn to before me this 24 day of
June, 19 83.

Susan J. Buys
Notary Public

My commission expires 1 November, 19 84.

BEFORE THE DIVISION OF OIL, GAS AND MINING Room 4241 State Office Building Salt Lake City, Utah 84114
IN THE MATTER OF THE APPLICATION OF AMOCO PRODUCTION COMPANY U.S.A., FOR ADMINISTRATIVE APPROVAL TO INJECT GAS INTO A WELL LOCATED IN SECTION 30, TOWNSHIP 4 NORTH, RANGE 8 EAST. SUM-

MIT COUNTY, UTAH.

CAUSE NO. UIC-022

THE STATE OF UTAH TO ALL PERSON, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SUMMIT COUNTY, UTAH:

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

Township 4 North, Range 8 East

Sec. 30 Well # ARE W31-02 SE SW

INJECTION ZONE: Nugget Formation 2515' to 13562'

MAXIMUM INJECTION PRESSURE: 5,500 psi

MIXIMUM INJECTION RATE: 35 MMSCFD

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

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING

MARJIE L. LARSON
Secretary of the Board

Published in the Summit County Bee June 24, 1983.

PROOF OF PUBLICATION



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

I, Susan Davis

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

Office Manager of The Park Record, a week-

ly newspaper of general circulation, published once each week at

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

Cause No. UIC-022

was published in said newspaper for one con-

secutive issues, the first publication having been made on the

23 day of June, 1983, and the last

on the 23 day of June, 1983, that said

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

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

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

Susan Davis

Subscribed and sworn to before me this 28th day of

June, 1983

Shirley A. O'Kelly
Notary Public

My commission expires 2-14, 1986

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

IN THE MATTER OF THE
APPLICATION OF AMCO
PRODUCTION COMPANY
U.S.A., FOR AD-
MINISTRATIVE APPROVAL
TO INJECT GAS INTO A
WELL LOCATED AT SEC-
TION 30, TOWNSHIP 4 NOR-
TH, RANGE 8 EAST, SUMMIT
COUNTY, UTAH.

CAUSE NO. UIC-022

THE STATE OF UTAH TO
ALL PERSONS, OWNERS,
PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS
OF OIL AND GAS AND ALL
OTHER INTERESTED PER-
SONS, PARTICULARLY IN
SUMMIT COUNTY, UTAH:

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

Township 4 North,
Range 8 East
Sec. 30 Well
No. ARE W31-02
SE SW

INJECTION ZONE: Nugget
formation 12515' to 13562'
MAXIMUM INJECTION
PRESSURE: 5,500 psi.
MAXIMUM INJECTION
RATE: 35 MMSCFD

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

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

By: Marjia L. Larson,
Secretary of the Board.
Published in the Park
Record June 23, 1983.

2

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 829, Evanston, Wyoming 82930		7. UNIT AGREEMENT NAME Anschutz Ranch East Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 626' FSL & 2848' FEL		8. FARM OR LEASE NAME Anschutz Ranch East
14. PERMIT NO. 43-043-30216	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7921' GR	9. WELL NO. W31-02
		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 31, T4N, R8E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

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

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

Please note that the name of the above referenced well has been changed to
ANSCHUTZ RANCH EAST W30-15

*GAS
INJ.*

RECEIVED
JUL 08 1983

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED Larry A. Smith TITLE Staff Admin. Analyst (SG) DATE 7/6/83

(This space for Federal or State office use)

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

Old Well Name:

New Well Name/Location:

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

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

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

T.G. Doss

T.G. Doss
District Superintendent

SW/

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



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

July 27, 1983

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

Re: Class II Injection Well
Approval
Cause No. UIC-022

Gentlemen:

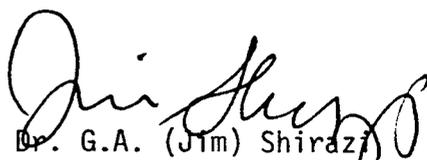
Please be advised that administrative approval has been granted for gas injection into the well mentioned below. This approval is conditional upon adhering to the UIC rules and regulations adopted by the Board of Oil, Gas and Mining and by not exceeding the maximum authorized pressures and rates.

Township 4 North, Range 8 East

Sec. 30, Well #ARE 31-02

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

Sincerely,


Dr. G.A. (Jim) Shirazi
Director

GS/TP/tp

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		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 Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 626' FSL & 2848' FEL		8. FARM OR LEASE NAME Anschutz Ranch East
14. PERMIT NO. 43-043-30216		9. WELL NO. W30-15
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7921' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch East
		11. SEC., T., R., M., OR B.E. AND SURVEY OR AREA Sec. 30, T4N, R83
		12. COUNTY OR PARISH 18. STATE Summit Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input checked="" 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) _____	

(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.)*

Repair was completed 10/16/83.

Perf wash, Intervals 12794'-12826' & 12852-12932 & 12952-13038 & 13064-13156 with 21,751 gallons 7½% HCl acid and mixed with 9,788 gallons A-Sol.

Reason for Work:

Improve injection/production conformance which will ultimately increase recoverable reserves.

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

SIGNED Lang A. Smith TITLE Staff Admin Anaylist (SG) DATE 10/20/83
(This space for Federal or State office use)

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Amoco Production Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
626' FSL & 2848' FEL

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, GR, etc.)
7912' GR

RECEIVED

MAY 17 1984

DIVISION OF OIL
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Fee

7. UNIT AGREEMENT NAME
Anschutz Ranch East Unit

8. FARM OR LEASE NAME
Anschutz Ranch EAST

9. WELL NO.
W30-15

10. FIELD AND POOL, OR WILDCAT
Anschutz Ranch East

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

12. COUNTY OR PARISH
Summit

13. STATE
Utah

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

NOTICE OF INTENTION TO:		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 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 current data on this Sundry Report is correct.
Well name: W30-15
Footage: 626' FSL & 2848' FEL
Section: 30
Elevation: 7912' GR

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

SIGNED John G. Bechtel TITLE Dist. Dalg Supervisor DATE 5/11/84

(This space for Federal or State office use)

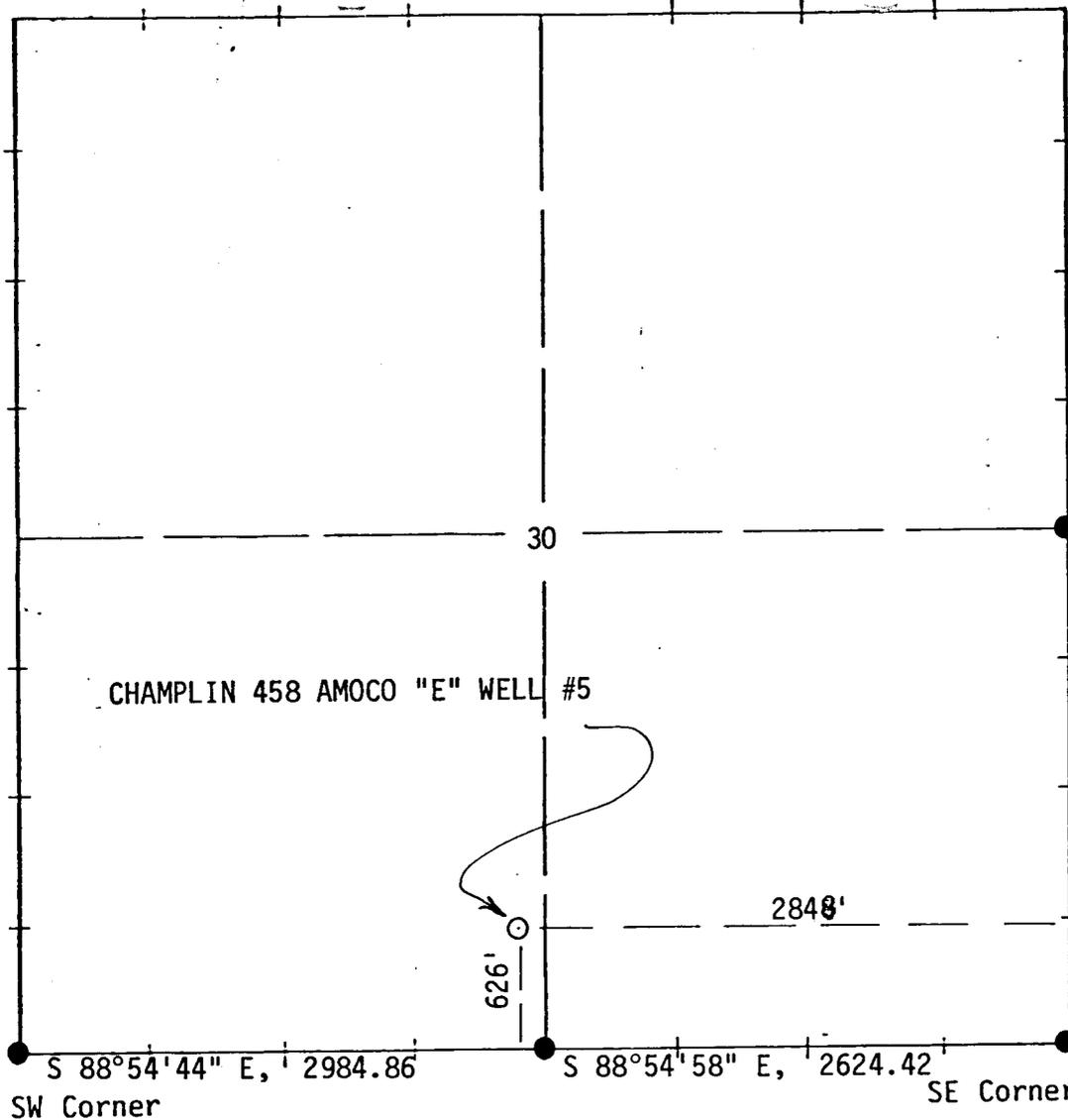
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NW Corner

T 4 N

R 8 E

NE Corner



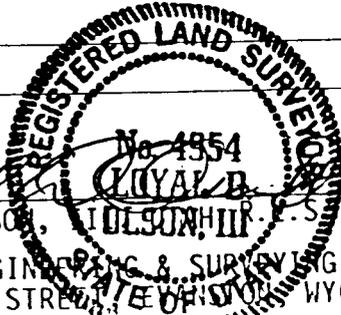
SCALE: 1" = 1000'

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

I, Loyal D. Olson, III of Evanston, Wyoming certify that in accordance with a request from Jon Jensen of Evanston, Wyoming for Amoco Production Company I made a survey on the 17th day of January, 1983 for Location and Elevation of the Champlin 458 Amoco "E" Well #5 as shown on the above map, the wellsite is in the SE-1/4 SW-1/4 of Section 30, Township 4 N, Range 8 E of the Salt Lake Base & Meridian, Summit County, State of Utah, Elevation is 7912 Feet PAD Datum Mean Sea Level based on 3-Dimensional Control Network tied to USC & GS & USGS Benchmarks

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

BOOK NO.: 226
 DATE: 1-17-83
 JOB NO.: 82-10-59


 Loyal D. Olson, III
 UINTE ENGINEERING & SURVEYING, INC.
 808 MAIN STREET, CHEYENNE, WYOMING
 1/18/82



Amoco Production Company

May 11, 1984

RECEIVED

MAY 17 1984

Division of Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

DIVISION OF OIL
GAS & MINING

Attn: Claudia Jones

File: JEK-485/WF

Well W30-15, Sec. 30, T4N, R8E, Summit County, Utah

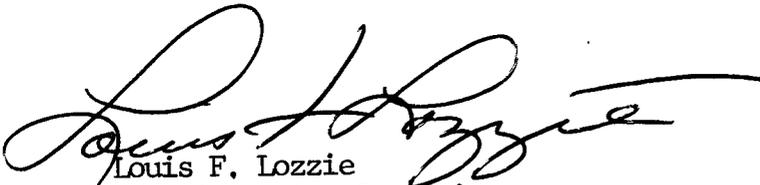
Attached please find a corrected plat for our W30-15 well.
SE/4, SW/4 Section 30, T4N, R8E, Summit County, ~~Wyoming~~
Utah

The well W30-15 has had two previous name changes, so that
your records might be kept straight I have listed those
changes in chronological order as follows:

It was first known as Champlin 458 E #5
It later became known as W31-02
It is now known as W30-15

This should clarify all the information you requested in
our telephone conversation May 10, 1984.

If we can be of any further assistance please contact
Karen Gollmer at this office. (307) 789-1700 X 2206


Louis F. Lozzie
Administrative Supervisor

LFL/kg

Attachments



Amoco Production Company

May 16, 1986

RECEIVED
MAY 21 1986

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

DIVISION OF
OIL, GAS & MINING

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

Attn: Claudia Jones

Dear Claudia:

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

Production wells

<u>Well Name</u>	<u>API No.</u>	<u>Legal Description</u>
W01-04	43-043-30270	NWNW, Sec 1, T3N, R7E
W01-06	43-043-30188	SENW, Sec 1, T3N, R7E
W01-12	43-043-30271	NWSW, Sec 1, T3N, R7E
W20-04	43-043-30238	NWNW, Sec 20, T4N, R8E
W16-60 06	43-043-30138	NENE, Sec 16, T4N, R8E
W16-12	43-043-30231	SWNW, Sec 16, T4N, R8E
W17-12 16?	43-043-30176	NWSE, Sec 17, T4N, R8E
W19-16	43-043-95008 ? 30204	SWSE, Sec 19, T4N, R8E
W20-02	43-043-30228	NWNE, Sec 20, T4N, R8E
W20-06	43-043-30159	NWNW, Sec 20, T4N, R8E
W20-10	43-043-30229	SENW, Sec 20, T4N, R8E
W20-12	43-043-30220	NWSW, Sec 20, T4N, R8E
W20-16	43-043-30148	SWSE, Sec 20, T4N, R8E
W21-04	43-043-30135	NWNW, Sec 21, T4N, R8E
W29-04	43-043-30129	NWNW, Sec 29, T4N, R8E
W29-06A	43-043-30250	SENW, Sec 29, T4N, R8E
W29-14A	43-043-30251	NWSW, Sec 29, T4N, R8E
W30-06	43-043-30273	NESW, Sec 30, T4N, R8E
W30-08	43-043-30183	SENE, Sec 30, T4N, R8E
W30-10	43-043-30215	NWSE, Sec 30, T4N, R8E
W30-14	43-043-30185	SESW, Sec 30, T4N, R8E
W30-16	43-043-30156	NESE, Sec 30, T4N, R8E

20

Production wells (cont.)

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

Injection wells

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

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

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

Thank you,



R. M. Ramsey
District Admn. Supervisor

/kg

cc: Pam Collier - Amoco Denver

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

10:46

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/11/97</u>	Well Owner/Operator: <u>Amoco</u>
Disposal Well: _____	Enhanced Recovery Well: <u>Pass/Maint</u> Other: _____
API No.: <u>43-043-30216</u>	Well Name/Number: <u>W30-15</u>
Section: <u>30</u>	Township: <u>4N</u> Range: <u>8E</u>

Initial Conditions:

Tubing - Rate: 75.7 MMcf/da Pressure: 4818 psi
Casing/Tubing Annulus - Pressure: 175 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0	<u>175</u>	<u>4818</u>
5	<u>1125</u>	<u>4960</u>
10	<u>1100</u>	<u>4960</u>
15	<u>1100</u>	<u>4960</u>
20	<u>1100</u>	<u>4960</u>
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 4960 psi
Casing/Tubing Annulus Pressure: 250 psi

REMARKS: OK test

Art Maclean/Felicia Juarez
Operator Representative

C. Kierst
DOG M Witness

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

Operator: AMOCO ROCKMOUNT COMPANY	Field/Unit: ANSCHUTZ RANCH EAST
Well: AREU #30-15 (W31-02)	Township: 04N Range: 08E Sect: 30
API: 43-043-30216	Welltype: INJG Max Pressure: 5500
Lease type: FEE	Surface Owner: FEE

Test Date: *8/28/69*

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
Surface:	133/8	4876		<i>5200 Injection pressure. 400 psi on casing Pressure is 1000 psi 1 1/2 min OK LJ 8/29/69</i>
Intermediate:	9 5/8	10069		
Production:	7	13676		
Other:		0		
Tubing:	3 1/2			
Packer:		12185		

Recommendations:



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

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

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

October 12, 1994

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

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

Dear Mr. MacLean,

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

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

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

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

Very truly yours,

Christopher J. Kierst
 Reclamation Specialist



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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

FEE

7. Unit Agreement Name:

ANSCHUTZ RANCH EAST UNIT

8. Well Name and Number:

W30-15

9. API Well Number

43-043-30216

10. Field and Pool, or Wildcat:

ANSCHUTZ RANCH EAST

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. Type of Well: OIL GAS OTHER

2. Name of Operator:
Amoco Production Company

3. Address and Telephone Number:
P. O. Box 800, Denver CO 80201, Suite 1033

4. Location of Well
Footages:
626' FSL & 2848' FEL

County:
SUMMIT

QQ, Sec., T.,R.,M.:
SEC. 30, T4N, R8E

State:
UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

SUBSEQUENT REPORT
(Submit Original Form Only)

- 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 **11/06/97**

Approximate date work will start _____

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

* Must be accompanied by a cement verification report.

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

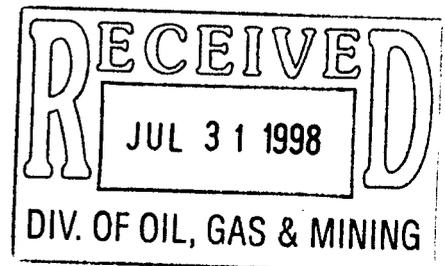
The subject well was converted from an injection well to a producing well on 11/06/97.

13. Signature: *W. E. Hadlak*

Title: **Regulatory Analyst**

Date: **07/27/98**

(This space for State use only)



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and State Register:

FEE

6. Section, Township and Range:

7. Unit Agreement Name:

ANSCHUTZ RANCH EAST

8. Well Name and Number:

A.R.E. W30-15

9. API Well Number:

4304330216

10. Field and Pool or Village:

ANSCHUTZ RANCH EAST

County: SUMMIT

State: UTAH

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

AMOCO PRODUCTION COMPANY

3. Address and Telephone Number:

(PH 281-366-2036)
501 WESTLAKE PARK BLVD, HOUSTON, TX 77253-3092

4. Location of Well

Footprint:

26' FSL X 248' FEL

5. Sec., T., R., M.:

SECTION: 30 TWP: 4N RGE: 8E

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

NOTICE OF INTENT
(Submit in Duplicate)

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

Approximate date work will start MAY 10, 2000

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of work completion _____

Report results of Multiple Completion and Reperforations to relevant records on WELL COMPLETION OR RECOMPLETION REPORT AND LOGS form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data. If well is abandoned, give subsurface conditions and measures and the vertical depth for all sections and zones pertinent to this work.)

- FOLLOWING THE SUCCESS OF THE WORKOVER ON W30-08 WE PLAN TO PULL THE COMPLETION ON WELL W30-15.

- PLEASE SEE THE ATTACHED PROCEDURE.

13.

Name & Signature:

[Signature]

Title: PETROLEUM ENGR.

Date: 4/10/00

(This space for State use only)

APPROVED

The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

See Instructions on Reverse Side

Date: 4-12-00

Workover Procedure

Anschutz Well No. W30-15

Location: Section 30, T04N-R8E County: Summit State: Utah

Objective: Pull the tubing string without losing water to the formation

Caution: please review well history and completion diagram in detail before proceeding

Conduct all pre-workover safety meetings.

NOTE: Xmas tree is to be completely refurbished and tested. A second valve is to be installed on the wellhead annular outlet while the well is dead with downhole plugs in place. This is to provide double barrier protection when rigging up lines to the annulus.

1. Rigup workover rig, two tanks (500 bbls each), piping, annulus manifold and pumps for pumping kill weight fluid (water) down the annulus and tubing if necessary. (have xmas tree sent in for complete rebuild).
2. Shut well in and shutoff chemical injection (if applicable)
3. Rig up Schlumberger slick line unit and lubricator. Rig up Nitrogen tanks and pumps. Tie in N2 to pump down the tubing. Pressure test all lines to 3,000 psi for 5 minutes. Pressure test lubricator to 3,000 psi for 5 minutes.
4. RIH with slickline and set plug in the bottom Otis 2.205" "XN" nipple profile at 12,202 ft. RIH and sting in with equalizing prong. Bleed down any pressure in the tubing string to test lower plug and so as to not trap pressure. RIH and set plug in the Otis 2.313" nipple 12,201 ft. RIH and sting in with equalizing prong. Rig down slickline unit.
5. Pickup tubing string approximately 20 ft and sting out of the Baker "FB-1" packer at 12,185 ft. with locator assembly. *NOTE: annular hydrostatic pressure is approximately 5,000 psi. Prior to stinging out of packer fill tubing string with fresh water to minimize differential*

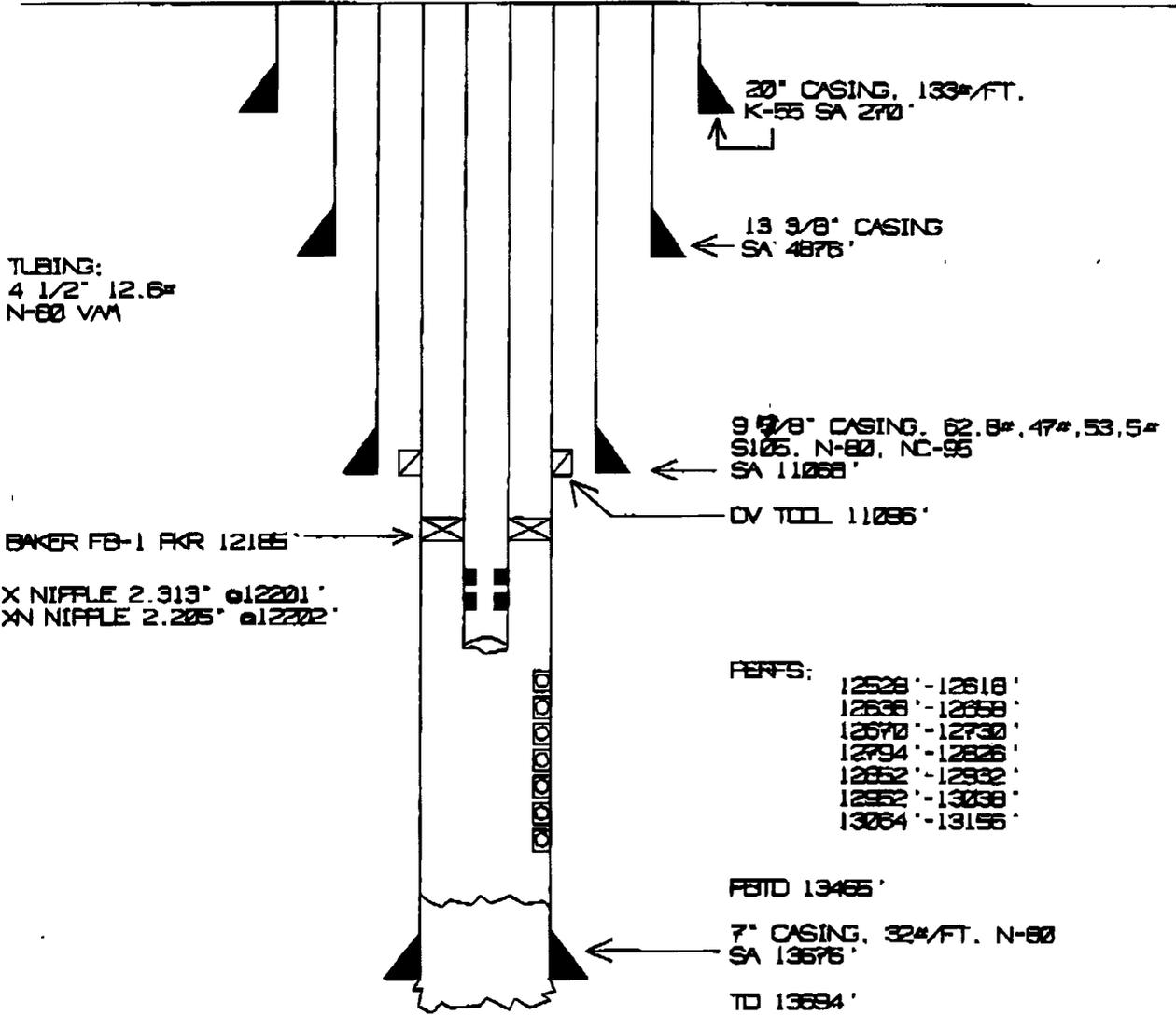
6. Immediately begin pumping down the tubing and up the annulus to clear downhole debris. Displace with water until packer top is clean.
7. begin pumping down the tubing with nitrogen displacing water up the annulus to a 500 bbl holding tank until the tubing and annulus are dry (full annulus volume 303 bbls). Rig down N2 equip. (keep on standby).
8. Bleed nitrogen pressure off the annulus. Check the well for flow. Set VR plugs in the annulus as requested.
9. Pull out of hole with the tubing string laying down in singles.
10. Rig up Schlumberger slick line unit and lubricator. RIH with slickline, equalize pressure and PULL plug from the Otis 2.313" "X" nipple at 12,201 ft. Pump 20 bbls (equals approximately 500 psi) of 2% KCL on to bottom plug to minimize differential (estimated pressure below plug is approximately 2,500 to 3,500 psi). RIH with slickline, latch onto prong, equalize pressure and PULL plug from the bottom Otis "XN" nipple profile 12,202 ft. Use N2 as necessary to assist with release of plug. Rig down slickline.
11. Rig up Weatherford e-line and caliper. Run 40 arm caliper (tool OD 3.55") from 12,000 ft to surface to check casing ovality and pitting problems. Immediately report any ovality concerns to Houston ext. 2036
12. Rigup lubricator with 6 ft completion inside. Pressure test lubricator. RIH with centralized wireline re-entry guide, Otis 2.562" "R" nipple and hanger. (Provides double barrier protection for surface seals).
13. Land and tighten hanger. Rig down. Place well on production.

NOTE: any time lubricator connection is broken lubricator must be retested to 3,000 psi for 5 minutes.

LAST UPDATED:

ANSCHUTZ RANCH EAST WELLBORE DIAGRAM W 30 - 15

LOCATION: 624' FSL X 2846' FEL. SECT 30, T4N, R8E
ELEVATION: 7935' KB / 7913' GL



Completion

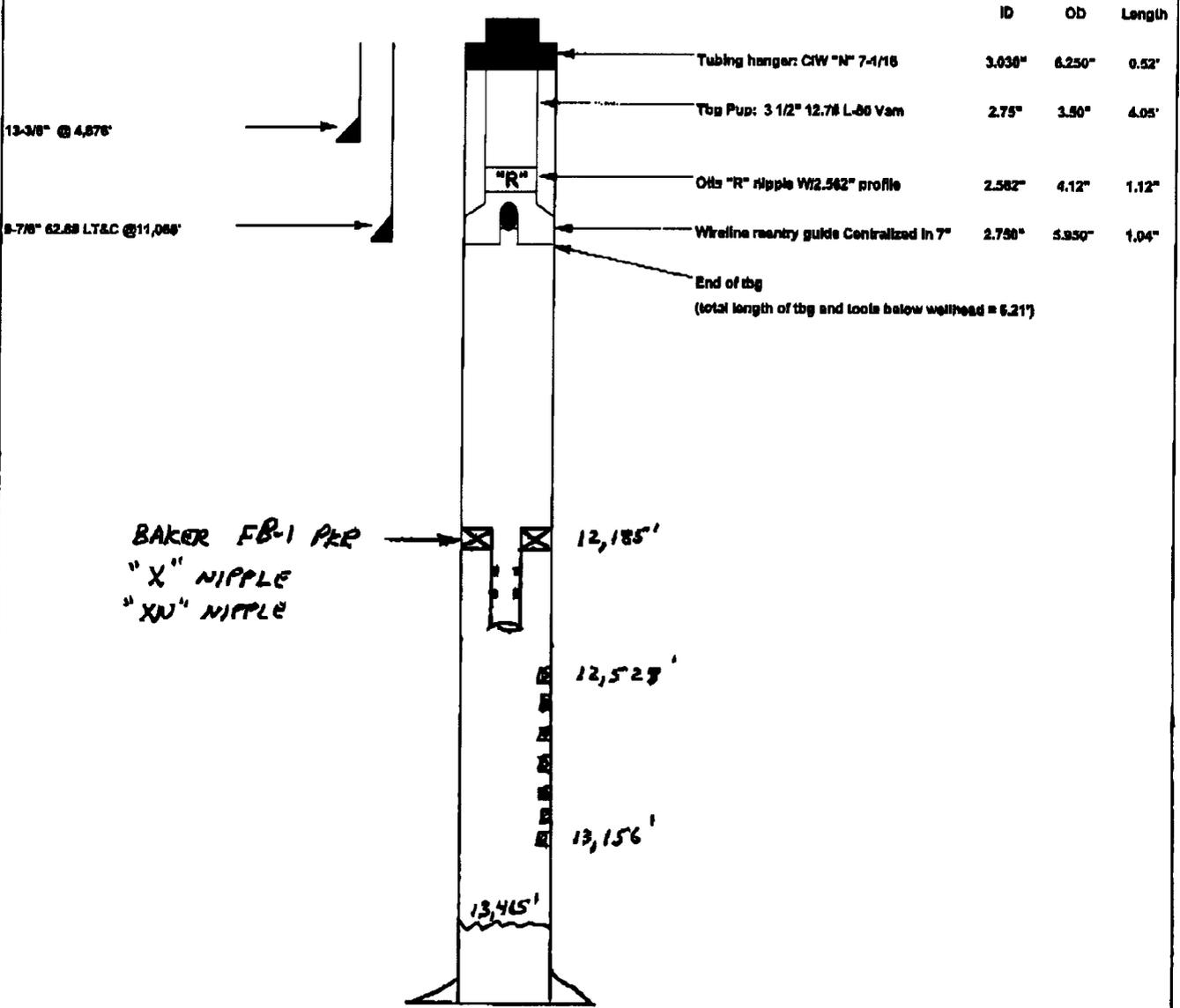
WELLBORE DIAGRAM

Field: Anschutz Ranch East Field

Well: No. W30-15

SEC: 30 TWP: 4N R9E: 6E

KB Correction: 7836'



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

3. Lease Designation and Serial Number:

FEE

6. If Indian, Allocated or Tribe Name:

7. Unit Agreement Name:

Anschutz Ranch East

8. Well Name and Number:

ARE W30-15

9. API Well Number:

4304330216

10. Field and Pool, or WAGAC:

Anschutz Ranch East

1. Type of Well: OIL GAS OTHER:

2. Name of Operator: Amoco Production Company

3. Address and Telephone Number: Ph (281) 366-5798
501 Westlake Park Blvd, Houston, TX 77253-3092

4. Location of Well: 26' FSL x 248' FEL
2878

CO. Sec., T., R., M.: Section: 30 TWP: 4N R6E: 8E

County: Summit

State: Utah

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

NOTICE OF INTENT
(Submit in Duplicate)

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

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of work completion May 18, 2000

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

* Must be accompanied by a cement verification report.

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

- Please see attached procedure and wellbore diagram

13.

Name & Signature:

Jan Lowe

Title: Operations Engineer Date: 10/13/00

(This space for State use only)

APPROVED

The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

COPY SENT TO OPERATOR

Date: 10-24-00
Initials: CHD

Date: 10-24-00 (See Instructions on Reverse Side)

BP AMOCO

UPDATED: 06/18/00

Submitted by: M. Olean

WELLBORE DIAGRAM

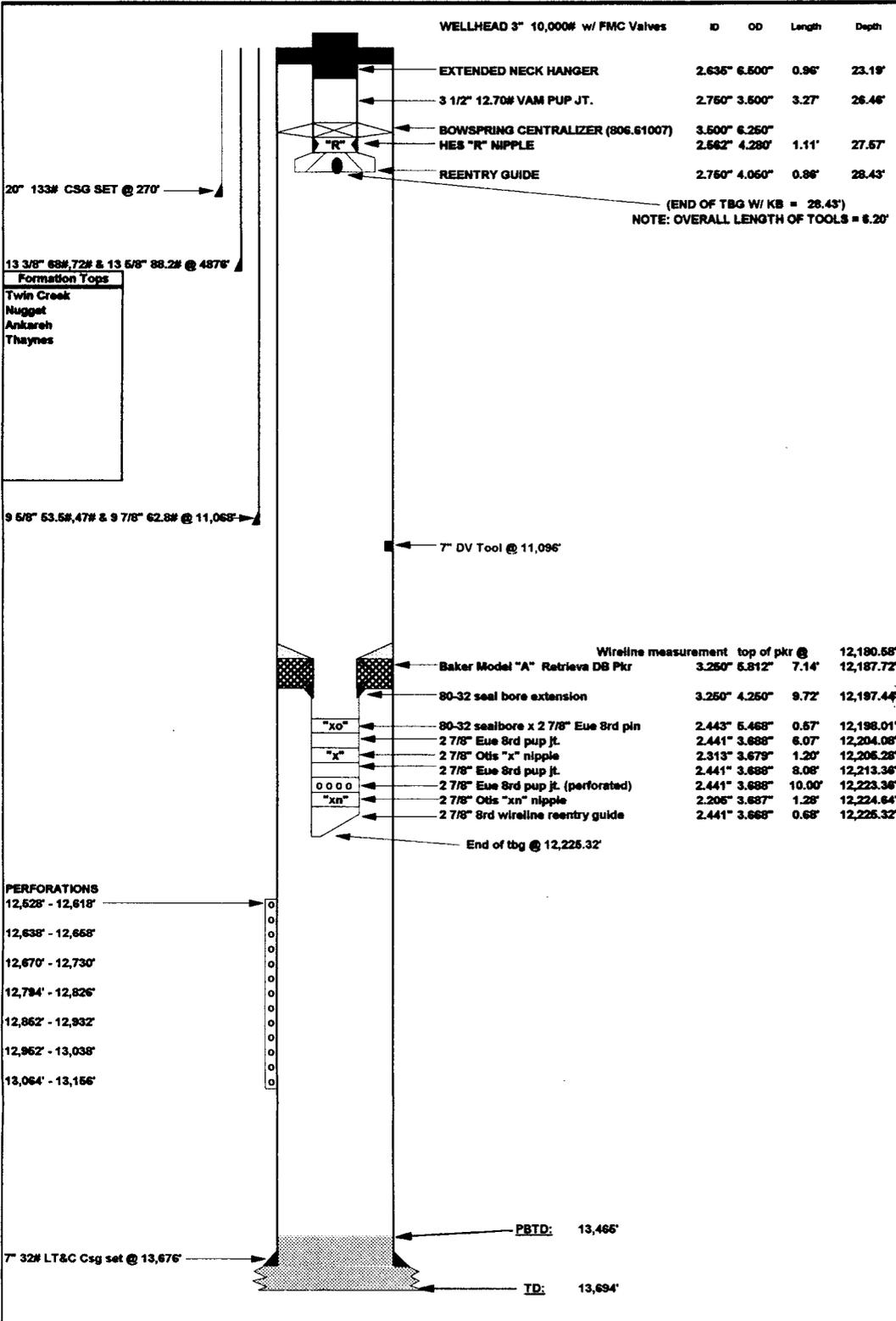
Field: Anschutz Ranch

Well: W 30-15

SEC: 30 TWP: 4N RGE: 8E

K.B. = 7935' GL = 7913'

K.B. 22FT.



Workover Procedure

Anschutz Well No. W30-15

Location: Section 30, T04N-R8E County: Summit State: Utah

Objective: Pull the tubing string without losing water to the formation

Caution: please review well history and completion diagram in detail before proceeding

Conduct all pre-workover safety meetings.

NOTE: Xmas tree is to be completely refurbished and tested. A second valve is to be installed on the wellhead annular outlet while the well is dead with downhole plugs in place. This is to provide double barrier protection when rigging up lines to the annulus.

1. Rigup workover rig, two tanks (500 bbls each), piping, annulus manifold and pumps for pumping kill weight fluid (water) down the annulus and tubing if necessary. (have xmas tree sent in for complete rebuild).
2. Shut well in and shutoff chemical injection (if applicable)
3. Rig up Schlumberger electric line unit and lubricator. Rig up Nitrogen tanks and pumps. Tie in N2 to pump down the tubing. Pressure test all lines to 3,000 psi for 5 minutes. Pressure test lubricator to 3,000 psi for 5 minutes.
4. RIH with electric line. Make gauge ring run, POOH. RIH and set plug in the bottom Otis 2.205" "XN" nipple profile at 12,213 ft. RIH and sting in with equalizing prong. Bleed down any pressure in the tubing string to test lower plug and so as to not trap pressure. RIH and set plug in the Otis 2.313" nipple 12,204 ft. RIH and sting in with equalizing prong. Rig down slickline unit (Note: there is some depth confusion on plug depths).
5. Pickup tubing string approximately 20 ft and sting out of the Baker "FB-1" packer at 12,180 ft. with locator assembly. *NOTE: annular hydrostatic pressure is approximately 5,000 psi. Prior to stinging out of packer fill tubing string with fresh water to minimize differential*

6. After locator has been stung out immediately begin pumping down the annulus and up the tubing to clear downhole debris. Displace with water until packer top is clean.
7. Begin pumping down the tubing with nitrogen displacing water up the annulus to a 500 bbl holding tank until the tubing and annulus are dry. Rig down N2 equip. (keep on standby).
8. Bleed nitrogen pressure off the annulus. Check the well for flow.
9. Pull out of hole with the tubing string laying down in singles.
10. Rig up Schlumberger electric line and lubricator. Run in with hydrostatic bailer to clear debris from top plug.
11. RIH with electric line, equalize pressure and PULL plug from the Otis 2.313" "X" nipple at 12,204 ft. Pump 20 bbls of 2% KCL on to bottom plug to minimize differential (estimated pressure below plug is approximately 2,500 to 3,500 psi). RIH with slickline, latch onto prong, equalize pressure and PULL plug from the bottom Otis "XN" nipple profile 12,213 ft. Use N2 as necessary to assist with release of plug.
12. Rig up Weatherford e-line and caliper. Run 40 arm caliper (tool OD 3.55") from 12,000 ft to surface to check casing ovality and pitting problems. Immediately report any ovality concerns to Houston ext. 2036
13. Rigup lubricator with 6 ft completion inside. Pressure test lubricator. RIH with centralized wireline re-entry guide, Otis 2.562" "R" nipple and hanger. (Provides double barrier protection for surface seals).
14. Land and tighten hanger. Rig down. Place well on production.

NOTE: any time lubricator connection is broken lubricator must be retested to 3,000 psi for 5 minutes.

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, CITY Houston STATE TX ZIP 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.

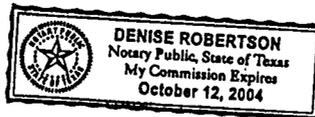
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.



M. S. Haskins
M. S. Haskins

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

(Notary Seal)



Denise Robertson
NOTARY PUBLIC, STATE OF TEXAS

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

OPERATOR CHANGE WORKSHEET

ROUTING

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

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

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

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

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

CA No.

Unit: ANSCHUTZ RANCH EAST

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

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

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

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

5. If **NO**, the operator was contacted 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 Communitization 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
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		8. WELL NAME and NUMBER: See Attached
PHONE NUMBER: (281) 366-2000		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: See Attached
COUNTY: See Attached		STATE: UTAH

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

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

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

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

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

Transfer of operations is effective July 1, 2003.

By Merit Energy Company

Name Frank 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



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

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

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

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

7/1/2003

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

CA No.

Unit:

ANSCHUTZ RANCH EAST

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 8/18/2003

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 8/26/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/26/2003

3. Bond information entered in RBDMS on: 8/26/2003

4. Fee wells attached to bond in RBDMS on: 8/26/2003

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/26/2003

COMMENTS:

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

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:
2. NAME OF OPERATOR: Merit Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500, Dallas, TX 75240		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (972) 628-1658		8. WELL NAME and NUMBER: ARE W 30-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2846' FEL & 628' FSL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 30 4N 8E		9. API NUMBER: 4304330216
COUNTY: Summit		10. FIELD AND POOL, OR WILDCAT:
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>ASAP</u>	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input 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 plans the following work for the above well as follows:

MIRU. ND WH. NU BOP. Rls Hornet pkr @ 12146'. TOH. TIH w/bit. Tag bttm (PBD @ 13465'). DO fill & cmt to +/- 13525'. TOH. TIH w/bailer. CO fill over perms to new PBD @ +/- 13525'. TOH. RU perf co. TIH w/gun. Perf Z3 Nugget fr 13219-226', 13289-13380' & 13436-487' w/4 spf. TOH. TIH w/pkr. Set @ 13185'. RU acid co. Test lines to 6000 psi. Acidize Nugget perms 13219-13487' w/10,000 gals 15% HCL w/additives in three equal stages w/1000# salt plugs between each stage. Flush acid to end of perms. RD. Swab well back. Rls pkr @ 13185'. TOH. TIH w/pkr & tbg. RDMO. Kick well off w/gas lift. Test & monitor.

FIELD OPERATOR
4/13/06
CHD

NAME (PLEASE PRINT) <u>Karla Stines</u>	TITLE <u>Sr. Regulatory Analyst</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/7/2006</u>

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
DATE: 4/10/06
BY: [Signature]

RECEIVED
APR 10 2006

DIV. OF OIL, GAS & MINING

RECEIVED

APR 23 2009

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 Road, Suite 500 CITY Dallas STATE TX ZIP 75240		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (972) 628-1658		8. WELL NAME and NUMBER: ARE W30-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 626' FSL 2848' FEL 6th P.M.		9. API NUMBER: 4304330216
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 30 T4N R8E		10. FIELD AND POOL, OR WILDCAT: Anschutz Ranch East
COUNTY: Summit		STATE: UTAH

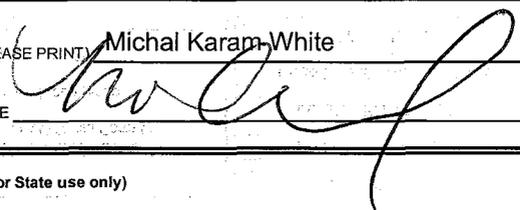
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 4/20/2006	<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>perforate</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Merit Energy Company acidized and perforated the aforementioned well as follows:

MIRU. NDWH, NUBOP. Fished pkr & DO fill & cmt to 13525'. TOH. TIH w/ bailer. CO fill over perms to new PBTD @ 13525'. TOH. RU OWP E-line perforating truck to make 7 runs total. Perfs f/ 13218'-13226', 13243'-13263', 13289'-13380', 13426'-13487' w/ 4 SPF @ 90 degree phasing. RD perf truck. RU BJ services. Test lines to 6000#. Pump 10,000 gals of 15% HCL acid w/ 3000# of coarse rock salt in 5 stages of acid w/ 4 stages pf rpcl sa;t. Max treating press 150#. Avg rate 48 BPM. Fluch to bttm perf w/ 4% KCL wtr. Instant shut in press 0. Have 375 BBLS of fluid to recover. RD BJ. RU swab. NDBOP, NUWH. RDMO.

NAME (PLEASE PRINT) <u>Michal Karam White</u>	TITLE <u>Regulatory Anlayst</u>
SIGNATURE 	DATE <u>4/15/2009</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 Gas Well	7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	8. WELL NAME and NUMBER: ARE W30-15
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	9. API NUMBER: 43043302160000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0626 FSL 2848 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 30 Township: 04.0N Range: 08.0E Meridian: S	9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH EAST
	COUNTY: SUMMIT
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/3/2014	<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 the Production the idle well ARE 30-15. Please find the Procedure and WBD attached.

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

Date: _____
By: DeKQ

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

Well Name: ARE W 30-15
API #: 43-043-30216
KB to GL: 22'
KB: 7,935'
GL: 7,913'
TMD: 13,694'
PBMD: 13,529'

Casing: 13-3/8" Surface Casing, cem. @ 4,876'
9-5/8" Intermediate Casing, 47-62.8#, cem. @ 11,068'
7" Production String, 32#, N-80, cem. @ 13,676'

Perforations: 12,528' – 13,487' (Open Intermittently, see attached well bore diagram)

Justification: Anschutz well 30-15 is a part of the 25 idle wells at Anschutz that requires well work. This well has been shut-in and not worked on since 2009. 30-16 is just up dip of this well and a recent work over found that the lower intervals may be acting as thief zones.

Objective: Pull tubing and swab test well. Isolate water and run back on with 2-7/8" tubing and conventional gas lift.

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.

Trip Scraper

5. PU 2-7/8" tubing and RIH with bit and scraper to 12,900'.

RIH with Packer and Retrievable Bridge Plug

6. PU and RIH retrievable bridge plug and packer on 2-7/8" tubing. Before running to depth discuss with engineer if needed to test packer and RBP.
7. MIRU wireline to correlate RBP and Packer on depth. Set RBP at 12,750' and packer at 12,628'.

Fluid Level Three Zones and Swab Test Three Zones

8. Leave well shut in overnight and allow the well to equalize. Record tubing and casing pressure, shoot fluid level in the morning and swab well for 8 hours (adjust timing as needed)

pending results). Contact engineer with results and to discuss if we should move to next interval.

9. Pull up and set RBP at 12,628' and packer at 12,450'.
10. Leave well shut in overnight and allow the well to equalize. Record tubing and casing pressure, shoot fluid level in the morning and swab well for 8 hours (adjust timing as needed pending well results). Contact engineer with results and to discuss if we should move to next steps.

Design Lift with Engineer Following Swabbing Results

11. With swabbing results contact engineer and establish lift design for this well. Tentatively planned for gas lift with plunger.
12. POOH with packer and RBP. Pick up and RIH with CIBP set via wireline at 12,628' (this depth may change pending swabbing results, contact engineer to discuss final set depth).

RTP and RDMO

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

WELL NAME: ARE W30-15							
COUNTY:	SUMMIT	ST:	UT	FIELD:	Anschutz	TD:	13,694'
QTR QTR:	SE SW	SEC:	30	API #:	43-043-30216	PBTD:	13,529'
UPDATED:	01/28/09	TWN:	4N	SPUD DATE:	12/10/82	KB:	7,935'
UPDATED BY:	NICK TUNNELL	RNG:	8E	MAX TEMP:	192 °F	GL:	7,913'

CASING DETAILS

PURPOSE	TOC	CMT	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	SURF	4425 SX	13-3/8 & 13-5/8"	72#	SS-95	4,876'
INTERMEDIATE		793 SX	9-5/8 & 9-7/8"	47,53.5, 62.8#	S-105, N-80, NC-95	11,068'
PRODUCTION		335 SX	7"	32#	N-80	13,676'

TUBING DETAILS

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
KB				22.00'
301 jts	3-1/2"	12.7#	N-80 (VAM)	12,488.65'
x over		2.375" ID	5.910" OD	12,497.64'
113 jts	3-1/2"	12.7#	N-80 (Buttress)	12,562.58'
x over				12,570.00'
4 jts	2-7/8"	6.5#	N-80	12,855.76'
GLV #2				12,863.17'
16 jts	2-7/8"	6.5#	N-80	13,180.87'
GLV #1				13,188.28'
12 jts	2-7/8"	6.5#	N-80	13,313.95'
XN-NIPPLE		2.313" PROFILE	2.205" NO-GO	13,315.07'
6' JT	2-7/8"	6.5#	N-80	13,347.76'
RE-ENTRY GUIDE	2-7/8"	2.347" ID	3.7" OD	13,493.00'

Based on pull-run dated 2/2009

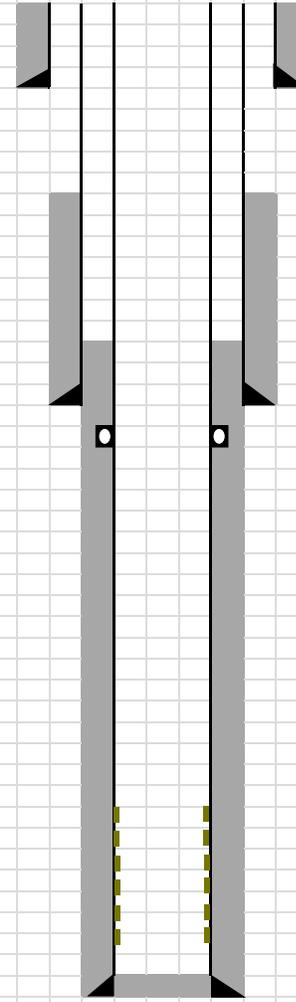
PERFORATIONS

DATE	TOP	BOTTOM	GROSS	HOLES	SPF
4/30/1983	12,528'	12,618'	90'	360	4
4/30/1983	12,638'	12,658'	20'	80	4
4/30/1983	12,670'	12,730'	60'	240	4
4/30/1983	12,794'	12,826'	32'	128	4
4/30/1983	12,852'	12,932'	80'	320	4
4/30/1983	12,952'	13,038'	86'	344	4
4/30/1983	13,064'	13,156'	92'	368	4
4/6/2006	13,218'	13,226'	8'	32	4
4/6/2006	13,243'	13,263'	20'	80	4
4/6/2006	13,289'	13,380'	91'	364	4
4/6/2006	13,426'	13,487'	61'	244	4

FORMATION TOPS

BEAR RIVER	5,186'
GANNET	6,457'
PREUSS	9,589'
WATTON CANYON	11,645'
BOUNDARY RIDGE	11,900'
RICH	12,042'
SLIDE ROCK	12,307'
GYP SUM SPRINGS	12,398'
NUGGET	12,515'
ANKAREH	13,561'

NOTES: FILL BAILED OUT IN 2006. ALSO HAD SOMETHING ON BACKSIDE AT 11,588' HANGING TUBING UP. HAD TO WASH OVER TO GET OFF ON/OFF TOOL.



DV TOOL 7" @ 11,096'

30-15 WELL HISTORY:

05/01/83	Perf Z1/Z2 f/ 12528-13156
10/01/83	Acidize 12,794'-13,156' w/ 21,750g 7-1/2% HCL
08/01/84	Replace 3-1/2" Vam w/ 4-1/2" 12.6# Vam
05/01/00	Lay down 4-1/2" 12.6# Vam, Run caliper log
07/23/04	Ran 4-1/2" tubing and GLVs
02/06/05	RU, fished DB packer, ran B&S to 13256', ran production tbq, tripped scraper to 13,365'
04/06/06	Perf lower Nugget (13,218'-13,487') & run "GO" GL system.
02/01/09	Pull tubing and run scraper, tag at 13,529'. Install reverse gas lift