

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

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

5. Lease Designation and Serial No.
Fee

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. Unit Agreement Name

b. Type of Well

Oil Well [X] Gas Well [ ] Other [ ] Single Zone [ ] Multiple Zone [ ]

8. Farm or Lease Name

2. Name of Operator

Amoco Production Company

Champlin 372 Amoco "C"
9. Well No. #12 (#1)

3. Address of Operator

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

10. Field and Pool, or Wildcat
Amoco Ranch Undesignated

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

At surface NW/4 Sec. 23, 866.1' FNL & 527.3' FWL

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

Sec. 23, T4N, R7E

At proposed prod. zone BHL 1320' FNL & 1320' FWL

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

Approximately 4 miles Southeast of Castle Rock, Utah

12. County or Parrish 13. State
Summit Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 527.3

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 8,100'

20. Rotary or cable tools Rotary

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

7012' Top of Hub

22. Approx. date work will start\*

When approved

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: Size of Hole, Size of Casing, Weight per Foot, Setting Depth, Quantity of Cement. Rows include 12 1/4" hole with 9 5/8" casing and 8 3/4" hole with 7" casing.

\*See Item #4 on Attachment

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING Propose to Develop Twin Creek Reserves

DATE: 8-7-80 (See Attachments)

BY: M.J. Minder



DIVISION OF OIL, GAS & MINING

Said well will be drilled in accordance with the application filed in Cause #183-1

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.

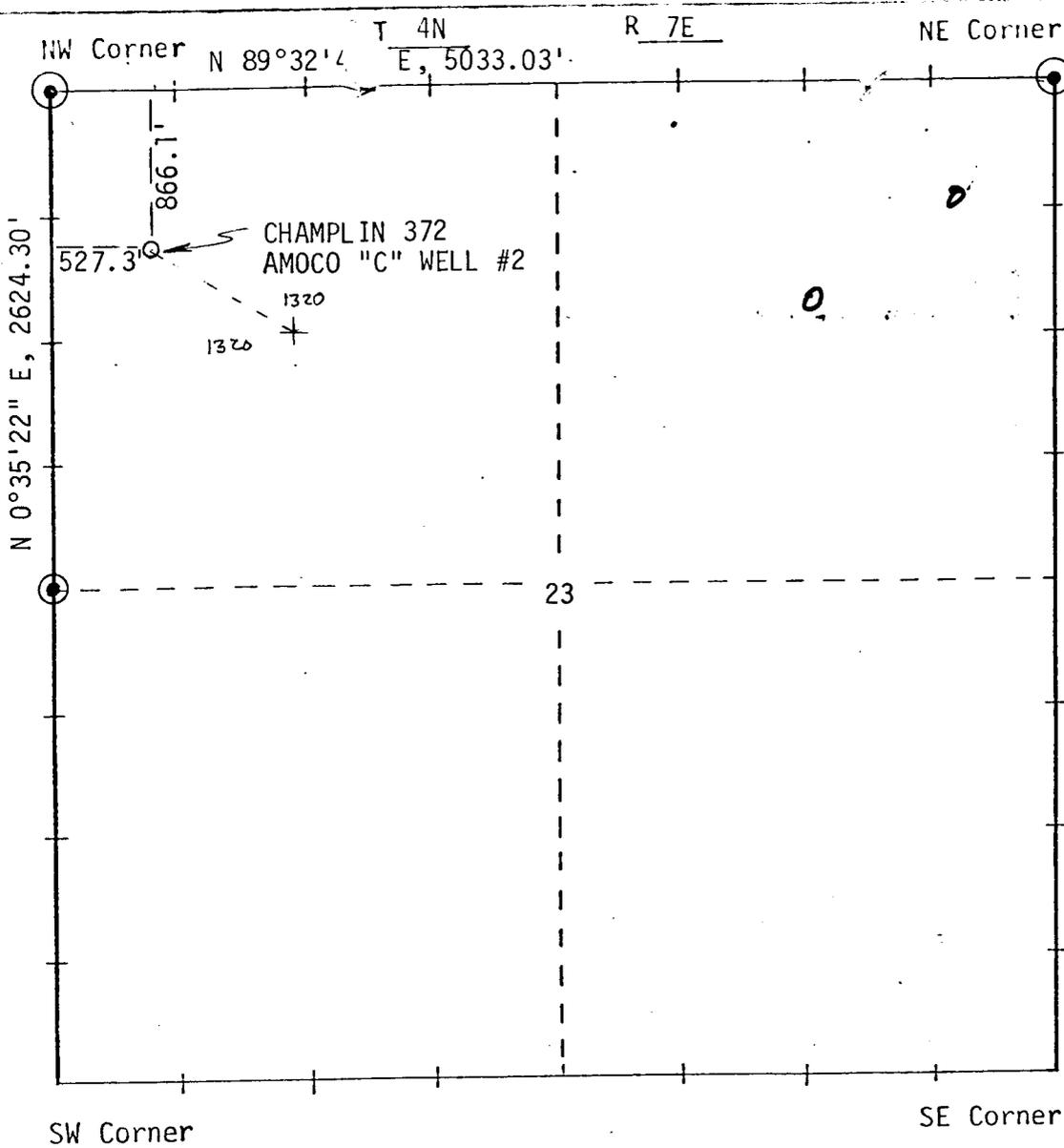
24. Signed: [Signature] Title: Dist. Admin. Supervisor Date: 7-1-80

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:



SCALE: 1" = 1000'

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

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from R.C. Buckley of Evanston, Wyoming for Amoco Production Company - I made a survey on the 23rd day of June, 1980 for Location and Elevation of the Champlin 372 Amoco "C" Well #2 as shown on the above map, the wellsite is in the NW $\frac{1}{4}$  of Section 23, Township 4N, Range 7E of the Salt Lake Base & Meridian Summit County, State of Utah, Elevation is 7012 Feet Top of Hub Datum U.S.G.S. Quad - Castle Rock, Utah, NE $\frac{1}{4}$ SE $\frac{1}{4}$  Section 22, T4N, R7E, Spot Elevation - 7061'

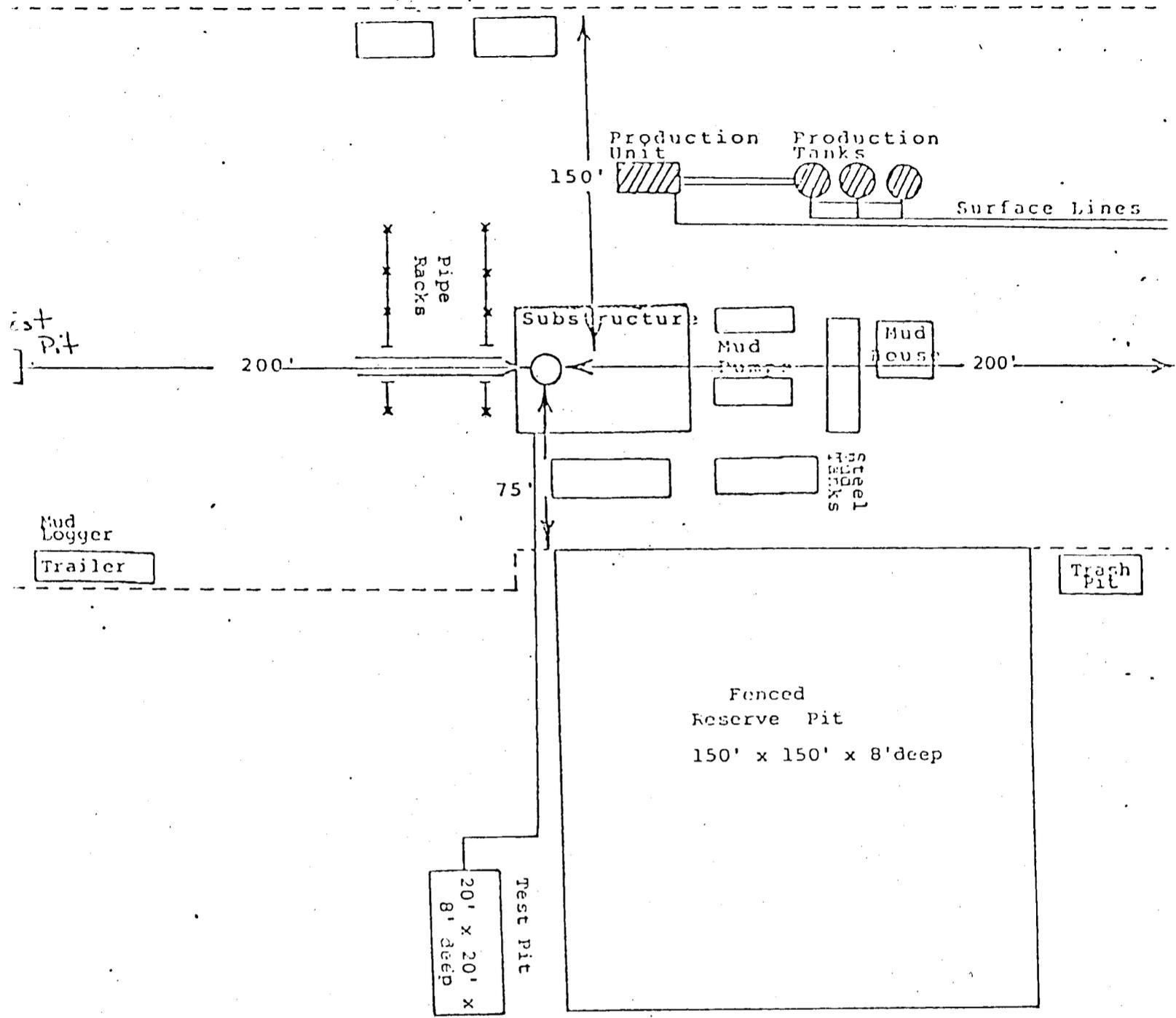
Reference point	NORTH	300'	TOP OF SPIKE	ELEVATION	7023.2'
Reference point	EAST	300'	TOP OF SPIKE	ELEVATION	6985.4'
Reference point	EAST	500'	TOP OF SPIKE	ELEVATION	7005.9'
Reference point	EAST	570'	TOP OF SPIKE	ELEVATION	7035.4'

*John A. Proffit* 6/26/80  
 JOHN A. PROFFIT UTAH R.L.S. NO. 2860

DATE: June 25, 1980  
 JOB NO.: 79-10-87

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

Tool Pushers Trailer Amoco Company Trailer



⊗ = 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

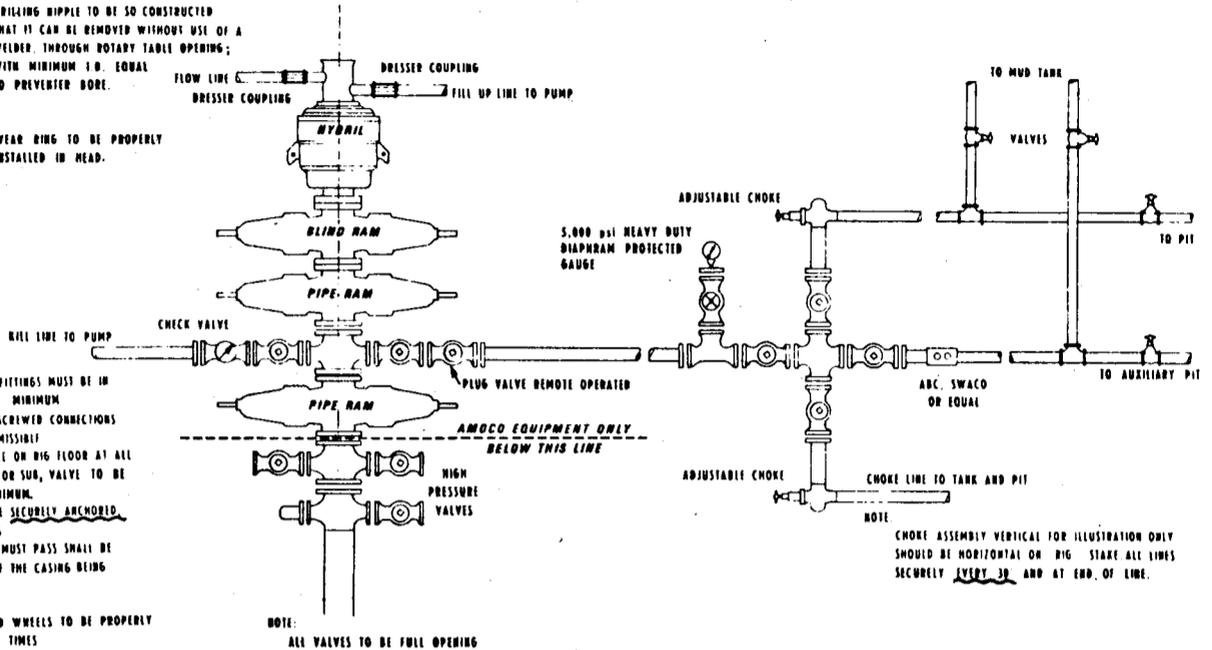
EXHIBIT "D"

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

**NOTE:**

1 DRILLING HIPPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING, WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.

2 WEAR RING TO BE PROPERLY INSTALLED IN HEAD.



**NOTE:**

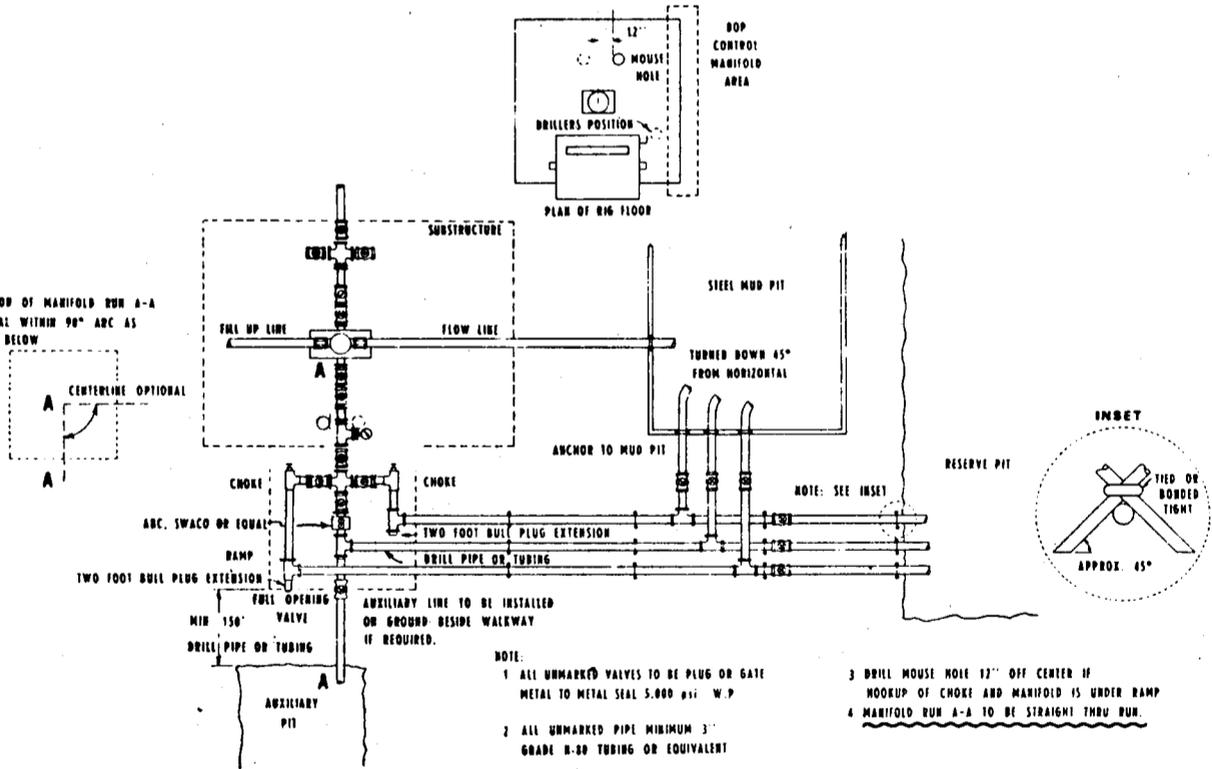
- 1 BLOW OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5,000 PSI W.P. MINIMUM
- 2 ALL FITTINGS TO BE FLANGED SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE
- 3 SAFETY VALVE MUST BE AVAILABLE ON BIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUB, VALVE TO BE FULL BORE 5,000 PSI W.P. MINIMUM.
- 4 ALL CHOKES AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKES LINES
- 5 EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH
- 6 RELY COCK ON RELLY.
- 7 EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES
- 8 BIG FLOOR BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE.
- 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 60 GALLON ACCUMULATOR, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION. MEET ALL IADC SPECIFICATIONS.

**NOTE:**  
ALL VALVES TO BE FULL OPENING

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

**NOTE:**

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



**NOTE:**

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

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

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b>  Fee
<b>1. OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>
<b>2. NAME OF OPERATOR</b> Amoco Production Company		<b>7. UNIT AGREEMENT NAME</b>
<b>3. ADDRESS OF OPERATOR</b> P.O. Box 17675, Salt Lake City, UT 84117		<b>8. FARM OR LEASE NAME</b> Champlin 372 Amoco "C"
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  NW/4 Sec. 23, 866.1' FNL & 527.3' FWL		<b>9. WELL NO.</b> #1
<b>14. PERMIT NO.</b>		<b>10. FIELD AND POOL, OR WILDCAT</b> Anschutz Ranch
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 7012' Top of Hub		<b>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA</b> Sec. 23, T4N, R7E
		<b>12. COUNTY OR PARISH</b>   <b>18. STATE</b> Summit   Utah

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

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

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

This is to advise that the name of the subject well has been changed from Champlin 372 Amoco "C" #2 to Champlin 372 Amoco "C" #1.

The drilling unit for this well has been designated as the W/2 of Section 23. (Stand up)



**18. I hereby certify that the foregoing is true and correct**  
 SIGNED E. R. Nicholson TITLE Admin. Supervisor DATE 8-7-80

(This space for Federal or State office use)

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

ATTACHMENT TO FORM OGC-1a

Champlin 372 Amoco "C" #2

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

Preuss Salt	6255'-6330'
Twin Creek	6365'
Nugget	7880'

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

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

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

<u>Size of Hole:</u>	<u>Size of Casing:</u>	<u>Weight/Grade:</u>	<u>Condition:</u>	<u>Depth:</u>
12 1/4"	9 5/8"	32.3# ST&C	New	1600'
8 3/4"	7"	26# K-55 ST&C	New	200'
	"	23# K-55 ST&C	New	5855'
	"	26# S-95 LT&C	New	500'
	"	26# K-55 ST&C	New	1770'

Tubing:

2 7/8"	6.5# J-55 EUE	New	8100'
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5. Operators minimum specifications for pressure control equipment are shown on the attached schematic diagrams. Testing of such is to be performed daily and noted on the IADC Daily Drilling Report. After running surface casing and prior to drilling out, BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

6. Mud Program:

0 - 1500'	Native Mud	8.3-8.5 #/gal.
1500' - TD	Low solid, non-dispersed,	8.5-9.0 #/gal.

7. Auxiliary Equipment:

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

8. Testing Program:

No special tests are planned.

Logging Program:

Linear DIL w/GR*	Base of surface casing - TD
Dual Laterolog**	Base of surface casing - TD
CNL-FDC w/GR-Cal.	Over zones of interest
Dipmeter	6265' - TD
BHC Sonic w/GR-Cal	Base of surface casing - TD
GR	0 - 2000'

\*If mud is fresh

\*\* If mud is salty

Coring Program:

None

Stimulation Program:

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

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

\*\* FILE NOTATIONS \*\*

DATE: July 8, 1980  
OPERATOR: Amoco Production Company  
WELL NO: Champlin 372 Amoco "C" #2  
Location: Sec. 23 T. 4N R. 7E County: Summit

File Prepared:  Entered on N.I.D.:   
Card Indexed:  Completion Sheet:

API Number 43-043-30143

CHECKED BY:

Petroleum Engineer: M.L. Minder 8-7-80  
called 8-7-80 S. Wilcox (designated unit as standup 320 ac.)

Director: \_\_\_\_\_

Administrative Aide: OK per spacing order  
must designate as standup or lay down - Champlin  
well already in section

APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No. 183-1 7/26/79 O.K. Rule C-3

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

Lease Designation  Plotted on Map

Approval Letter Written   
Hot Line  P.I.

August 8, 1980

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

RE: Well No. Champlin 372, Amoco "C" #2  
Sec. 23, T. 4N, R. 7E  
Summit County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 183-1 dated July 26, 1979.

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

MICHAEL T. MINDER - Petroleum Engineer  
HOME: 876-3001  
OFFICE: ~~388-1221~~

Enclosed please find Form OBC-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 Champlin 372, Amoco "C" #2  
43-043-30143.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Petroleum Engineer

/bh

cc:

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Amoco Production Company

WELL NAME: Champlin 372 Amoco C #1

SECTION 23 NW NW TOWNSHIP 4N RANGE 7E COUNTY Summit

DRILLING CONTRACTOR Exeter Drilling

RIG # 23

SPUDDED: DATE 8/12/80

TIME 8:30 a.m.

HOW rotary

DRILLING WILL COMMENCE ASAP

REPORTED BY Gordon Fowler

TELEPHONE # 307-789-2591

DATE August 12, 1980

SIGNED *M. J. M.*

cc

PETROLEUM ANALYTICAL LABORATORY SERVICE

P. O. BOX 352 \* 24 HOUR PHONE 307/235-1616  
 CASPER, WYOMING 82602

4.  
 SAMPLE NO. ... 4293

AIR MONITORING  
 COMPLETE GAS SERVICE  
 CONSULTING CHEMISTS  
 POLLUTION CONTROL  
 WATER ANALYSIS

DATE RUN: 11/13/80

A SAMPLE OF: WATER FROM AMOCO PRODUCTION COMPANY  
 SAMPLE FROM: CHAMPLIN 372 C-1  
 AT: ..... SECURED BY: .....  
 SAMPLING CONDITIONS: ..... PRESS: ..... TEMP: ..... TIME: ..... DATE: .....

WATER ANALYSIS

DISSOLVED SOLIDS

OTHER PROPERTIES

CATIONS	MG/L	ME/L
SODIUM-NA	10761.62	468.13
POTASSIUM-K	2700	69.12
CALCIUM-CA	72720	3628.73
MAGNESIUM-MG	4410	362.5
BARIUM-BA	0	0
TOTAL CATIONS	90591.62	4528.48

PH 4.2  
 RESISTIVITY(OHM-METERS), 77 F. 074

RECEIVED

DEC 08 1980

DEPARTMENT OF  
 OIL, GAS & MINING

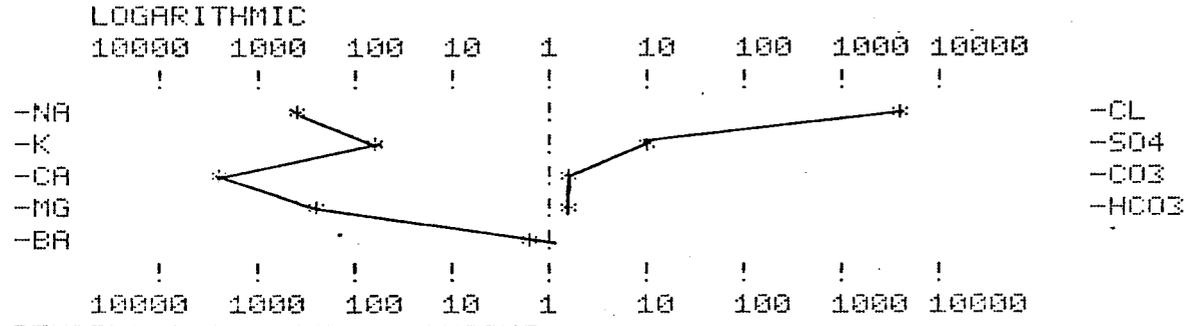
ANIONS

CHLORIDE-CL	160000	4512
SULFATE-SO4	725	15.08
CARBONATE-CO3	0	0
BICARBONATE-HCO3	85.4	1.4
TOTAL ANIONS	160810.4	4528.48

IRON-FE (TOTAL) 0  
 SULFIDE AS H2S 0

TOTAL DISSOLVED SOLIDS(CALC.)  
 251402.02

WATER PATTERNS--ME/L



REMARKS AND RECOMMENDATIONS:

COPIES TO:

ANALYSIS BY: Eugene M. Hauck

PETROLEUM ANALYTICAL LABORATORY SERVICE

P. O. BOX 2652 \* 24 HOUR PHONE 307/266-1616  
CASPER, WYOMING 82602

AIR MONITORING  
COMPLETE GAS SERVICE  
CONSULTING CHEMISTS  
POLLUTION CONTROL  
WATER ANALYSIS

SAMPLE NO. ... 4291

DATE RUN: 11/13/80

A SAMPLE OF: WATER FROM AMOCO PRODUCTION CO.  
SAMPLE FROM: CHAMPLIN 372 C-1 SHUT IN 11/9/80  
AT: ..... SECURED BY: .....  
SAMPLING CONDITIONS: ..... PRESS: ..... TEMP: ..... TIME: ..... DATE: .....

WATER ANALYSIS

DISSOLVED SOLIDS

OTHER PROPERTIES

CATIONS	MG/L	ME/L
SODIUM-NA	13208.83	574.58
POTASSIUM-K	2590	66.3
CALCIUM-CA	78376	3910.96
MAGNESIUM-MG	2450	201.39
BARIIUM-BA	0	0
TOTAL CATIONS	96624.83	4753.24

PH 4.2  
RESISTIVITY(OHM-METERS), 77 F .071

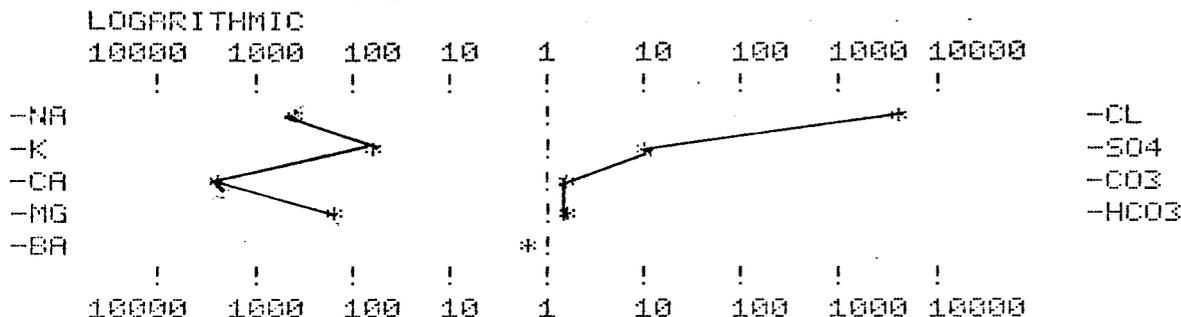
ANIONS

CHLORIDE-CL	168000	4737.6
SULFATE-SO4	675	14.04
CARBONATE-CO3	0	0
BICARBONATE-HCO3	97.6	1.6
TOTAL ANIONS	168772.6	4753.24

IRON-FE (TOTAL) 0  
SULFIDE AS H2S 0

TOTAL DISSOLVED SOLIDS(CALC.)  
265397.43

WATER PATTERNS--ME/L



REMARKS AND RECOMMENDATIONS:

COPIES TO:

ANALYSIS BY: *Engene M. Hemb*

PETROLEUM ANALYTICAL LABORATORY SERVICE

P. O. BOX 2652 \* 24 HOUR PHONE 307/266-1616  
CASPER, WYOMING 82602

AIR MONITORING  
COMPLETE GAS SERVICE  
CONSULTING CHEMISTS  
POLLUTION CONTROL  
WATER ANALYSIS

RUN NO. ... 4292

DATE SECURED: 11/12/80

A SAMPLE OF: CHAMPLIN 372 C-1 SHUT-IN 11/9/80

SECURED FROM: AMOCO PRODUCTION COMPANY

AT: ..... SECURED BY: .....

SAMPLING CONDITIONS: ..... PRESS: ..... TEMP: ..... TIME: ..... DATE: .....

FRACTIONAL ANALYSIS

@ 14.696 & 60 DEG. F.

	MOL. %	WT. %	LIQ. %			
CARBON DIOXIDE	0.00	0.00	0.00	CALC. SP. GR.	0.6684	PROPANE CALC GPM
NITROGEN				CALC. MOL. WT.	89.687	BUTANES CALC GPM
OXYGEN				CALC. VAP PRES	15.37	PENTANES PLUS GPM
H2S				SP. GR. C 7 +	0.6882	ETHANE CALC GPM
METHANE	0.00	0.00	0.00	MOL. WT. C 7 +	100.21	TOTAL GPM
ETHANE	0.42	0.14	0.27	VAP PRES C 7 +	1.620	
PROPANE	2.17	1.07	1.40	GAL/#MOL C 7 +	17.464	B. T. U. /CU. FT.
ISO-BUTANE	2.11	1.37	1.62	CF/GAL C 7 +	21.729	DRY BASIS
N-BUTANE	4.36	2.83	3.23	LB/GAL C 7 +	5.738	WET BASIS
ISO-PENTANE	5.35	4.30	4.60	26.0 R. P. V.		
N-PENTANE	6.34	5.10	5.41	GASOLINE		26 # PRODUCT
HEXANES	21.40	20.56	20.71	EXCESS C4'S		12 # PRODUCT
HEPTANES	57.85	64.63	62.76	EXCESS C3		
				EXCESS C2		SULFUR ANALYSIS
TOTAL	100.00	100.00	100.00	14.0 R. V. P.		(GR. /100CU. FT. )
				GASOLINE		HYDROGEN SULFIDE
				EXCESS C4'S		MERCAPTANS
				EXCESS C3		SULFIDES
				EXCESS C2		RESIDUAL SULFUR
				12.0 R. V. P.		MOISTURE CONTENT
				GASOLINE		(#/MMCU. FT. )
				EXCESS C4'S		
				EXCESS C3		
				EXCESS C2		

RUN BY: FLANAGAN

CHECKED BY: HAUCK

APPROVED BY: *Gene Hauck*

ADDITIONAL DATA AND REMARKS

Viscosity @ 60° 28.3 SUS

COPIES TO:

AIR MONITORING  
 COMPLETE GAS SERVICE  
 CONSULTING CHEMISTS  
 POLLUTION CONTROL  
 WATER ANALYSIS

RUN NO. . . 4290

DATE SECURED: 11/12/80

A SAMPLE OF: CHAMPLIN 372 C-1 FLOW TEST UNIT 6962-6960 11/9/80  
 SECURED FROM: AMOCO PRODUCTION COMPANY ANSHOTZ RANCH SUMMIT CO UTAH  
 AT:..... SECURED BY:.....  
 SAMPLING CONDITIONS:..... PRESS:..... TEMP:..... TIME:..... DATE:.....

**FRACTIONAL ANALYSIS**  
 @ 14.696 & 60 DEG. F.

	MOL. %	WT. %	LIQ. %			
CARBON DIOXIDE	0.00	0.00	0.00	0.6651	PROPANE CALC	GPM
NITROGEN				88.105	BUTANES CALC	GPM
OXYGEN				17.17	PENTANES PLUS	GPM
H2S				0.6882	ETHANE CALC	GPM
METHANE	0.00	0.00	0.00	100.20	TOTAL	GPM
ETHANE	0.55	0.19	0.36	1.620		
PROPANE	2.04	1.02	1.33	17.464	B. T. U. /CU. FT.	
ISO-BUTANE	2.25	1.48	1.75	21.729	DRY BASIS	
N-BUTANE	4.94	3.26	3.71	5.738	WET BASIS	
ISO-PENTANE	6.60	5.41	5.76	26.0 R. P. V.	26 # PRODUCT	
N-PENTANE	7.85	6.42	6.77	GASOLINE	12 # PRODUCT	
HEXANES	24.85	24.31	24.36	EXCESS C4'S		
HEPTANES	50.92	57.91	55.96	EXCESS C3	SULFUR ANALYSIS	
				EXCESS C2	(GR. /100CU. FT. )	
				14.0 R. V. P.	HYDROGEN SULFIDE	
				GASOLINE	MERCAPTANS	
TOTAL	100.00	100.00	100.00	EXCESS C4'S	SULFIDES	
				EXCESS C3	RESIDUAL SULFUR	
				EXCESS C2	MOISTURE CONTENT	
				12.0 R. V. P.	(#/MMCU. FT. )	
				GASOLINE		
				EXCESS C4'S		
				EXCESS C3		
				EXCESS C2		

RUN BY: FLANAGAN

CHECKED BY: HAUCK

APPROVED BY: *Gene Hauck*

**ADDITIONAL DATA AND REMARKS**

Viscosity @ 60° 28.0 SUS

COPIES TO:

4

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

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Champlin 372 Amoco "C"

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Anschutz Ranch

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

Sec. 23 T4N-R7E

12. COUNTY OR PARISH

Summit

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

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

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

At surface NW/4 Section 23, 866.1' FNL 527' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-043-30143 DATE ISSUED 8/8/80

15. DATE SPUNDED 8/12/80 16. DATE T.D. REACHED 10/10/80 17. DATE COMPL. (Ready to prod.) 12/10/80 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)\* 6988' GR 19. ELEV. CASINGHEAD -----

20. TOTAL DEPTH, MD & TVD 7292' 21. PLUG, BACK T.D., MD & TVD 7220' 22. IF MULTIPLE COMPL., HOW MANY\* Two 23. INTERVALS DRILLED BY Surface-TD ROTARY TOOLS CABLE TOOLS -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 6155' - 6980' Twin Creek 7056' - 7098' Nugget 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual CNL-FDC w/Caliper BHC Sonic w/GR DIL 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
16"		74'			
9-5/8"	32.3#	1518'	12 1/4"	1000 sx	
7"	23 & 26#	7300'	8-3/4"	750 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		None		(TC)	2-7/8"	6133'	6100'
				(N)	2-3/8"	7069'	7025'

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

33.\* PRODUCTION  
DATE FIRST PRODUCTION ----- PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-In

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	GAS-OIL RATIO
(N) 10/29/80	12	64/64	→	74	3988	77	53891:1
(TC) 11/25/80	17	37/64	→	92	6276	2	76637:1
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	GRAVITY-API (CORR.)	
(N) 1110	---	→	148	7976			
(TC) 1500	---	→	129	8860			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold when put on production TEST WITNESSED

35. LIST OF ATTACHMENTS Attachment "A"

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
Original Signed By E. R. NICHOLSON TITLE Administrative Supervisor DIVISION OF OIL, GAS & MINING 12/23/80

\*(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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP
No Cores or	DST's			Preuss Salt Twin Creek Boundary Ridge Gyp. Springs Nugget	4535' 5253' 5484' 6590' 6960' 7032'	

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

January 5, 1981

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

RE: Well No. Champlin 372 Amoco "C" #1  
Sec. 23, T. 4N, R. 7E.,  
Summit County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office December 23, 1980, from above referred to well indicates the following electric logs were run: Dual, CNL-FDC w/Caliper, BHC Sonic w/GR, DIL. As of todays date this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity log.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

  
BARBARA HILL  
WELL RECORDS

/bjh

*my Jim Francisco*  
*Dual Completion (ab)*

STATE OF UTAH

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

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 NW/4 Sec 23, 866' FNL and 527' FWL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-043-30143 DATE ISSUED 8-8-80

**RECEIVED**  
**MAY 7 1981**  
DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
Fee  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Champlin 372 Amoco "C"  
9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
Anschutz Ranch  
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 23, T4N, R7E

12. COUNTY OR PARISH  
Summit  
13. STATE  
Utah

15. DATE SPUDDED 8-12-80 16. DATE T.D. REACHED 10-10-80 17. DATE COMPL. (Ready to prod.) 12-10-80 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6988' GR 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 7292' 21. PLUG, BACK T.D., MD & TVD 7220' 22. IF MULTIPLE COMPL., HOW MANY\* 2 23. INTERVALS DRILLED BY ROTARY TOOLS SURFACE-TD CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
6155' - 6980' Twin Creek  
7056' - 7098' Nugget  
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual CNL-FDC w/Caliper, BHC Sonic w/GR DiI 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
16"		74'			
9-5/8"	32.3#	1518'	12-1/4"	1000 sx	
7"	23.26#	7300'	8-3/4"	750sx	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					(TC) 2-7/8"	6133'	6100'
					(N) 2-3/8"	7069'	7025'

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

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attachment	"A"

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
12-27-80	Flowing	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-1-81	24	(N) 33/64 (TC) 28/64	→	279	12328	270	
PROD. TEM. PRESS.	CASING PRESSURE	TESTING PRESSURE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
(N) 1800 (TC) 1650			279	12328	270		

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

35. LIST OF ATTACHMENTS  
Attachment "A"

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
District  
SIGNED *D. Anderson* TITLE Administrative Supervisor DATE 4/24/81

\*(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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
No Cores or DST's			
<b>37. SUMMARY OF POROUS ZONES:</b> SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			
<b>38. GEOLOGIC MARKERS</b>			
NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Preuss Salt Twin Creek Boundary Ridge Gyp. Springs Nugget	4535' 5253' 5484' 6590' 6960' 7032'		

ATTACHMENT "A"

Perforations:

Nugget:	7056' - 7072'	4 JSPF
	7082' - 7098'	4 JSPF
Twin Creek:	6862' - 6883'	4 JSPF
	6888' - 6904'	4 JSPF
	6909' - 6928'	4 JSPF
	6944' - 6960'	4 JSPF
	6972' - 6980'	4 JSPF
	6572' - 6577'	4 JSPF
	6584' - 6599'	4 JSPF
	6654' - 6658'	4 JSPF
	6665' - 6680'	4 JSPF
	6712' - 6726'	4 JSPF
	6748' - 6770'	4 JSPF
	6797' - 6800'	4 JSPF
	6399' - 6406'	4 JSPF
	6410' - 6420'	4 JSPF
	6426' - 6452'	4 JSPF
	6464' - 6490'	4 JSPF
	6508' - 6520'	4 JSPF
	6265' - 6270'	4 JSPF
	6275' - 6282'	4 JSPF
	6300' - 6306'	4 JSPF
	6312' - 6334'	4 JSPF
	6339' - 6359'	4 JSPF
	6155' - 6176'	4 JSPF
	6180' - 6185'	4 JSPF
	6189' - 6194'	4 JSPF
	6221' - 6272'	4 JSPF

Acid:

<u>Interval</u>	<u>Amount and Kind of Material Used</u>
6155' - 6232'	6300 gal 28% HCl
6265' - 6359'	9000 gal 28% HCl
6399' - 6520'	11250 gal 28% HCl
6572' - 6770'	11250 gal 28% HCl
6862' - 6980'	12000 gal 28% HCl

MAY 1 1981



Amoco Production Company

Denver Region  
1670 Broadway  
P.O. Box 800  
Denver, Colorado 80201  
303-830-4040

Don F. Crespo, Jr.  
Regional Administrative Manager, Production

RECEIVED  
JAN 24 1990

DIVISION OF  
OIL, GAS & MINING

January 22, 1990

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

File: DDL-2056-980.3

Annual Report of Drilling-Suspended,  
Shut-In and Temporarily-Abandoned Wells

As operator of the Anschutz Ranch East Operation Center and in accordance with Rule R615-8-10 of the Utah Oil and Gas Conservation General Rules, listed below is the annual status report for wells that have been shut-in or temporarily-abandoned for more than 30 consecutive days as of December 31, 1989. The wells listed are located in Summit County, Utah.

Please note, there were no drilling wells that had suspended drilling operations as of December 31, 1989. Questions regarding well status may be directed to David Lovato at (303) 830-5321.

<u>WELL NAME</u>	<u>API NUMBER</u>	<u>COMMENTS</u>
ARE 081A	43-043-30130	SHUT-IN
ARE E28-06	43-043-30226	SHUT-IN
ARE W12-04	43-043-30283	SHUT-IN
ARE W29-04	43-043-30129	SHUT-IN
CH 387 B1A	43-043-30168	SHUT-IN TWIN CREEK
CH 372 C1	<del>43-043-30143</del>	SHUT-IN TWIN CREEK
CH 372 C1	<del>43-043-30143</del>	SHUT-IN NUGGET
CH 372 D1	43-043-30170	SHUT-IN NUGGET
ISLAND RANCH B1	43-043-30109	SHUT-IN TWIN CREEK
ISLAND RANCH D1	43-043-30161	SHUT-IN WEBER
AMOCO-CHAMP F & S	43-043-30078	SHUT-IN
CH 544 D1	43-043-30210	P X A (12/89)
CH 544 D2	43-043-30246	P X A (12/89)

sec. 23 T.4N R.7E

*D. F. Crespo, Jr.*  
*DMW*

DJL/rlt

cc: Bureau of Land Management  
324 South State, Suite 301  
Salt Lake City, Utah 84111-2303



RECEIVED  
FEB 06 1991

Amoco Production Company

Denver Region  
1670 Broadway  
P.O. Box 800  
Denver, Colorado 80201  
303-830-4040

Don F. Crespo, Jr.  
Regional Administrative Manager, Production DIVISION OF  
OIL, GAS & MINING

February 4, 1991

State of Utah  
Division of Oil, Gas, and Mining  
355 West N. Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

File: DFC-100-980.3

Annual Report of Drilling-suspended,  
Shut-in and Temporarily-Abandoned Wells

As operator of the Anschutz Ranch East Operation Center and in accordance with Rule 615-8-10 of the Utah Oil and Gas Conservation general Rules, Listed below is the annual status report for wells that have been shut-in or temporarily-abandoned for more than 30 consecutive days as of December 31, 1990. The wells listed are located in Summit County, Utah.

<u>Well Name</u>	<u>API Number</u>	<u>Comments</u>
Anschutz Ranch East 81A	43-043-30130	Shut-in
Anschutz Ranch East W12-04	43-043-30283	Shut-in
Champlin 387 B1A	43-043-30168	Shut-in (Twin Creek)
Champlin 372 C1 <i>S. 23, T. 4N, R. 7E</i>	43-043-30143	Shut-in (Twin Creek)
Champlin 372 C1	43-043-30143	Shut-in (Nugget)
Champlin 372 D1	43-043-30170	Shut-in (Nugget)
Island Ranch B1	43-043-30109	Shut-in (Twin Creek)
Island Ranch D1	43-043-30161	Shut-in (Weber)
Amoco Champlin F & S	43-043-30078	Shut-in
Champlin 544 D1	43-043-30210	P x A (12/89)
Champlin 544 D2	43-043-30246	P x A (12/89)
Champlin 846 Amoco /B/ #1	43-043-30253	Shut-in

Please note that there were no drilling wells that had suspended operations as of December 31, 1990. Questions regarding this report may be directed to James Camargo at (303) 830-4233.

*D. F. Crespo, Jr.*  
*[Signature]*

:jpc

cc: Bureau of Land Management  
324 South State, Suite 301  
Salt Lake City, Utah 84111-2303



**Amoco Production Company**

Northwestern U.S. Business Unit  
Amoco Building  
1670 Broadway  
Post Office Box 800  
Denver, Colorado 80201  
303-830-4040

February 24, 1992 ✓

State of Utah  
Division of Oil, Gas, and Mining  
355 W. N. Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203



FEB 27 1992

DIVISION OF  
OIL, GAS & MINING

File: GRW-046-980.3

Annual Report of Drilling - Suspended,  
Shut-in and Temporarily-abandoned Wells

As operator of the Anschutz Ranch East Operation Center and in accordance with Rule 615-8-10 of the Utah Oil and Gas Conservation general rules, find attached annual status reports for all wells that have been shut-in for more than 30 consecutive days as of December 31, 1991.

Please note that there were no drilling wells on which drilling operations have been suspended for more than 30 consecutive days as of December 31. Also, no wells have been temporarily abandoned for more than 30 consecutive days as of December 31.

G. R. West  
Sr. Staff Admin. Supervisor

MAT/jms

Attachments

cc: Bureau of Land Management  
324 South State, Suite 301  
Salt Lake City, UT 84111-2303





**Amoco Production Company**

Northwestern U.S. Business Unit  
Amoco Building  
1670 Broadway  
Post Office Box 800  
Denver, Colorado 80201  
303-830-4040

February 1, 1993

State of Utah  
Division of Oil, Gas, and Mining  
355 W. N. Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

File: GRW-023-980.3

Annual Report of Drilling - Suspended,  
Shut-In and Temporarily-Abandoned Wells

As operator of the Anschutz Ranch East Operation Center and in accordance with Rule 615-8-10 of the Utah Oil and Gas Conservation general rules, find attached annual status reports for all wells that have been shut-in for more than 30 consecutive days as of December 31, 1992.

Please note that there were no drilling wells on which drilling operations have been suspended for more than 30 consecutive days as of December 31. Also, no wells have been temporarily abandoned for more than 30 consecutive days as of December 31.

G.R. West  
Sr. Staff Admin. Supervisor

MAT/ml1

Attachments

cc: Bureau of Land Management  
324 South State, Suite 301  
Salt Lake City, UT 84111-2303

**RECEIVED**

FEB 03 1993

DIVISION OF  
OIL GAS & MINING

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 Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:  
Champlin 372 Amoco /c/#1

9. API Well Number:  
43-043-30143-00

10. Field and Pool, or Wildcat:  
Anschutz Ranch

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

4. Location of Well  
Footages: 866' FNL x 527' FWL  
QQ, Sec., T., R., M.: NW NW Sec. 23-T4N-R7E

County: Summit  
State: Utah

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

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

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

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

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

- Abandonment \*
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Annual Status Report
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

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

The above well is in a "Shut-In - High WOR" status due to excessive water production in both the Twin Creek (4304330143-10955) and Nugget (4304330143-01395) formations.

The well is being held for a possible future water injection.

Please direct any questions regarding this sundry to Marcy Tafoya at (303)830-5105.

13.

Name & Signature: Gary R. West Title: Sr. Staff Adm. Supvr. Date: 2/1/93

(This space for State use only)

**RECEIVED**

FEB 03 1993

DIVISION OF  
OIL, GAS & MINING

RECEIVED

P. O. BOX 2652 \* 24 HOUR PHONE 307/266-1616 FEB 16 1993  
CASPER, WYOMING 82602

AIR MONITORING  
COMPLETE GAS SERVICE  
CONSULTING CHEMISTS  
POLLUTION CONTROL  
WATER ANALYSIS

DIVISION OF OIL, GAS & MINING 5561

DATE SECURED: 5/7/81

A SAMPLE OF: 372-C ANSCHUTZ RANCH NUGGET WELLHEAD TREE 5/5/81  
SECURED FROM: AMCOO PRODUCTION CO. SUMMIT CO UTAH

HT: ..... SECURED BY: .....  
SAMPLING CONDITIONS: ..... PRESS: 1650# TEMP: ..... TIME: ..... DATE: .....

FRACTIONAL ANALYSIS  
@ 14.69% & 88 DEG. F.

MOL. % WT. % LIQ. %

	MOL. %	WT. %	LIQ. %	
CARBON DIOXIDE	0.85			CALC. SP. GR. 0.8773
NITROGEN	6.04			CALC. MOL. WT.
OXYGEN				CALC. VAP PRES
H2S	0.00			SP. GR. C +
METHANE	81.29			MOL. WT. C +
ETHANE	7.72			VAP PRES C +
PROPANE	2.82			GPM GAL/MOL C +
ISO-BUTANE	0.66			CF/GAL C +
N-BUTANE	0.34			LB./GAL C +
ISO-PENTANE	0.30			26.0 R. V. P.
N-PENTANE	0.28			0.111 GASOLINE
HEXANES	0.00			0.102 EXCESS C4'S
HEPTANES	0.00			0.000 EXCESS C3
TOTAL	100.00			0.000 EXCESS C2
				14.0 R. V. P.
				GASOLINE
				EXCESS C4'S
				EXCESS C3
				EXCESS C2
				12.0 R. V. P.
				GASOLINE
				EXCESS C4'S
				EXCESS C3
				EXCESS C2

PROPANE CALC GPM 0.774  
BUTANES CALC GPM 0.490  
PENTANES PLUS GPM 0.213  
HEPTANE CALC GPM 2.060  
TOTAL GPM

B. T. U. /CU. FT  
DRY BASIS 1101  
WET BASIS 1082

25 # PRODUCT 285  
12 # PRODUCT 0.190

SULFUR ANALYSIS  
(GR. /100CU. FT.)  
HYDROGEN SULFIDE  
MERCAPTANS  
SULFIDES  
RESIDUAL SULFUR  
MOISTURE CONTENT  
(#/MMCU. FT.)

UN BY: FLANAGAN

CHECKED BY: HAUCK

APPROVED BY: *G. Lynn*

ADDITIONAL DATA AND REMARKS

COPIES TO:

**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.

Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: _____ Name of Operator: Amoco Production Company Address and Telephone Number: P.O. Box 800, Denver, CO 80202 Location of Well: NW/4 866.1' FNL X 527' FWL Contages: Sec. 23-T4N-R7E T, R, M: _____	5. Lease Designation and Serial Number: FEE 6. If Indian, Allottee or Tribe Name: _____ 7. Unit Agreement Name: _____ 8. Well Name and Number: Champlin 372 Amoco "C" #1 9. API Well Number: 43-043-30143 10. Field and Pool, or Wildcat: Anschutz Ranch County: Summit State: Utah
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input checked="" type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ Approximate date work will start _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ Date of work completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off

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

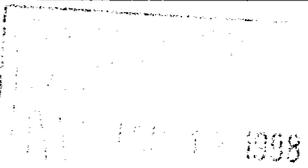
Amoco Production Company proposes the attached procedure.

If you have any questions please call Gigi Martinez at (303) 830-4781.

Signature: <i>G. G. Martinez</i>	Title: Permit Agent	Date: 1/12/98
----------------------------------	---------------------	---------------

- (Use for State use only)
- ① Well is approved for temporary abandonment of the Twin Creek and Nugget zones in preparation for sidetrack drilling operations.
  - ② Verbal approval granted by *John Baza* on 1/20/98. (See Instructions on Reverse Side)

*John R. Baza*  
1/20/98



Plugback Procedure  
Champlin 372C-1  
NW Sec 23, T4N, R7E  
7011' KB 6995' GL  
Summit County, Utah

- 1) Test anchors, if needed put new ones in
- 2) MIRU service rig
- 3) Kill well if necessary, fill tbg and csg
- 4) ND tree, NU BOPS or hydrill, (check well head size)
- 5) Release and pull short string, if string won't pull, RU wireline and cut 10' above packer.
- 6) Pull long string and model A-5 packer set at 6086'.
- 7) TIH with retrieving tool to release and retrieve model 'R' packer set at 7069'.
- 8) TOOH
- 9) TIH with cement retainer, setting tool, and stinger and set at 7000'.
- 10) Pump 59 sks (with additives per Dowell's procedure) cement down tubing to squeeze off perfs, if no pressure, sting out with 2 bbls of slurry left in tbg. Reverse out.
- 11) Pump 350 sxs cement on top of retainer, displace tubing, leaving 250' slurry in tbg. TOH w/tubing 300' if wet
- 12) TOOH.
- 13) RDMO service rig

Post-It® Fax Note	7671	Date	1/20/98	# of pages	1
To	John Bazz	From	Gigi Mortner		
Co/Dept	Utah State Office	Co.	Amoco		
Phone #	801-538-5334	Phone #	(303) 830-4781		
Fax #	801-359-3940	Fax #			

Wellbore Diagram  
Champlin 372 C#1

Section 23, T4N, R7E - Summit County, UT

7011' KB 6995' GL

Long String  
2 3/8" tubing N-80 4.7 #/ft  
Hydril 6100'

Twin Creek 5390'

Short String  
2 7/8" tubing A-95 6.5 #/ft  
Hydril 6140'

9 5/8" casing 32.3 #/ft H-40  
SA 1518'

Baker Model A-5 Packer 6086'

Baker F Nipple 6100' I.D. = 1.87

Perforated Pup 5.85' 6101'

Baker R Landing Nipple 6138' I.D. = 1.81"

Nugget 7032'

2 7/8" tubing N-80 6.5 #/ft  
7016'

2 1/2" tubing (25') Fish

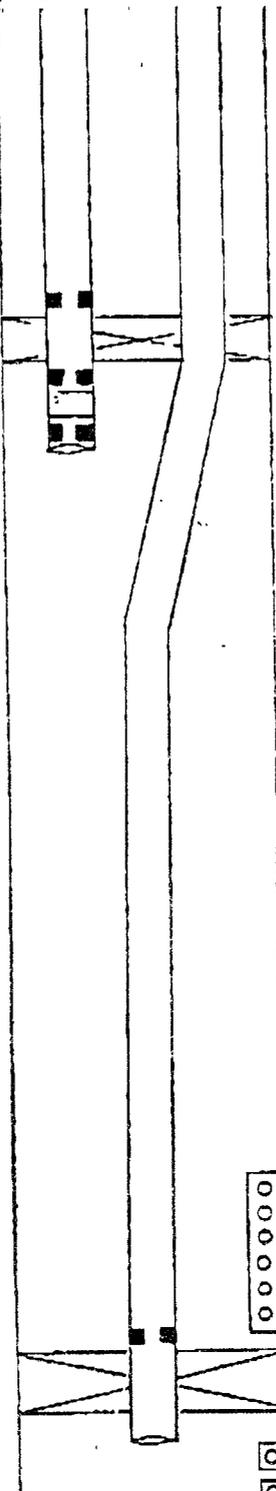
Perfs: 6155' - 6980'  
(Gross Interval)

Baker F Nipple 6995' I.D. = 1.87

Baker Retrieval D Packer 7016'

Perfs: 7056' - 7072'  
7082' - 7098'

JAN 20 98 11:27AM GRRB JMT



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED  
FEB 17 1998  
DIV. OF OIL, GAS & 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 Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

Champlin 272 Amoco "C"

8. Well Name and Number:

#1

9. API Well Number:

43-043-30143

10. Field and Pool, or Wildcat:

Anschutz Ranch

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Amoco Production Company

3. Address and Telephone Number:

P.O. Box 800, Rm 812B, Denver, CO 80201 (303) 830-4781

4. Location of Well

Footages:

866.1' FNL x 527' FWL

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

Sec 23, T4N, R7E

Summit  
County:

Utah  
State:

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

NOTICE OF INTENT  
(Submit in Duplicates)

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

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

SUBSEQUENT REPORT  
(Submit Original Form Only)

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

Date of work completion \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

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

Amoco Production Company proposes the following procedure:

Shot 4 holes at 4 spf

ROH w/gun (all shots fired)

RIH chemical cutter & cut tubing off at 6071' leaving 21.81' of tubing above packer

ROH w/wireline.

POOH w/5 tubing pups. 206 jts of 2 3/8" 4.7# CS hydroll tubing & 5.5' cut off stub laying down & tallying.

THI w/2 78" 6.5# N-80 CS Hydrill tubing & HES model "HCS" cement retainer-Tag top of cut off stub at 6071'

prepare to pump cement.

POOH w/tubing putting bottom of retainer at 6054.11' KB & top of retainer at 6051.98' KB.

NOTE: Verbal approval given by John Baza with Utah state to set cement retainer above A-5 packer & squeeze off lower perms for plugback in preperation of sidetrack. Approval given at 13:30 hr on February 9, 1998 via cellular phone to J. Vern Griffin.

If you require additional information, please contact Gigi Martinez @ (303) 830-4781.

13.

Name & Signature:

*Gigi Martinez*

Title:

Permitting Agent

Date:

2/12/98

(This space for State use only)

*John R. Baza*  
2/20/98

**AMOCO PRODUCTION CO.**  
 UPDATED:  
 Submitted by: V. G. ...

**WELLBORE DIAGRAM**

Field: Anschutz Ranch  
 Well: CH 372 C #1  
 SEC: 23 TWP: 4N RGE: 7E

KB Correction: 16  
 DESCRIPTION - TOOLS RUN - ETC.

DEPTH KB

**Formation Log**  
 Twin Creek  
 Nugget  
 Anschutz  
 Theoria

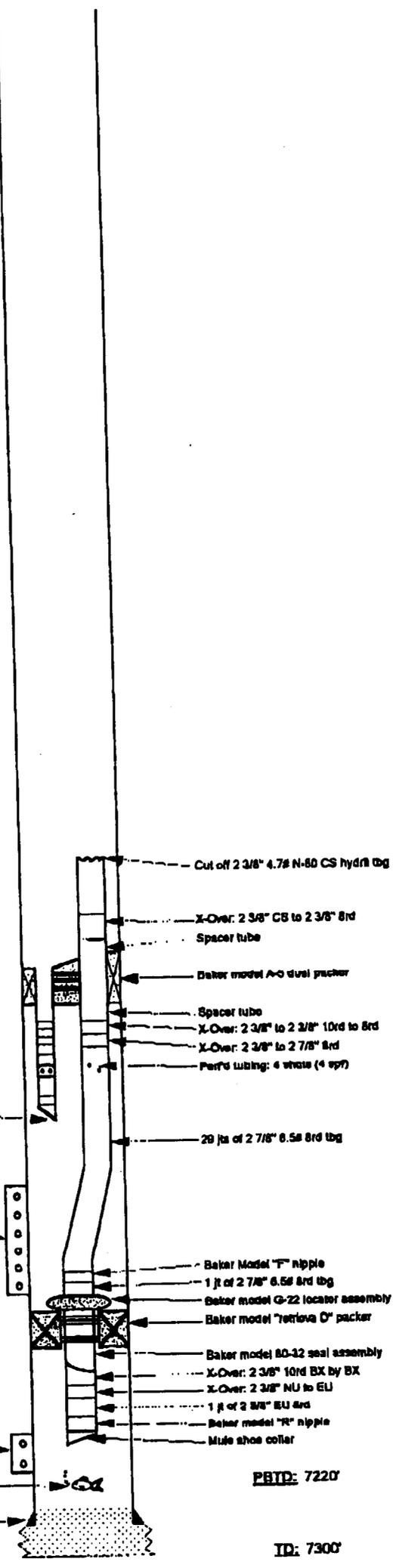
**Spacer tube short string:**  
 Spacer tube, X-over, 2 3/8" pup, Model "E" hydr trip sub, 2 3/8" pup, Model "T" nipple, Perf'd pup, 1 ft 2 3/8" tbg, Baker model "R" nipple, Mule shoe  
 Avg OD's & ID's: to 1.901" & ID 2.92"  
 Overall length: 48.73'  
 EOT at 6141.54'

**Twin Creek Perfs:**  
 6155' thru 6980'

**Nugget Perfs:**  
 7058' thru 7098'

**FISH:** 2 3/8" tbg (25)

**Prod casing:**  
 7" 23 & 26" K-55 & S95  
 set at 7300'



MIN ID	MAX OD	DEPTH KB
1.801"	2.375"	6071' KB
1.901"	3.052"	6089.49'
1.801"	2.375"	6090.29'
1.901"	6.093"	6092.81'
1.901"	2.375"	6098.13'
1.901"	2.875"	6099.43'
1.001"	3.00"	6099.75'
2.441"	3.868"	6100.07'
Tbg collar: 2.868" - Tube: 2.875"		
1.87"	3.6875"	6894.86'
2.441"	3.888"	6895.87'
2.408"	3.46875"	7023.95'
3.25"	6.093"	7026'
2.406"	2.886"	7038.66'
1.903"	3.062"	7037.09'
1.905"	3.062"	7037.46'
1.001"	3.062"	7089.12'
1.760"	2.92"	7069.89'
1.901"	2.92"	7071.21'

PBTD: 7220'

ID: 7300'

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

5. Lease Designation and Serial Number: **Fee**

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

**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

8. Well Name and Number:  
**Champlin 372 C#1**

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

9. API Well Number  
**43-043-30143**

3. Address and Telephone Number:  
**P.O. Box 800, Denver, CO 80201 (303) 830-4781**

10. Field and Pool, or Wildcat:  
**Anchutz Ranch East**

4. Location of Well  
Footages: **866.1' FNL x 527' FWL** County: **Summit**  
QQ, Sec., T.,R.,M.: **NW/4 Sec 23-T4N-R7E** State: **Utah**

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <b>Plugback - Preparation for Sidetrack</b>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____ <small>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.</small>

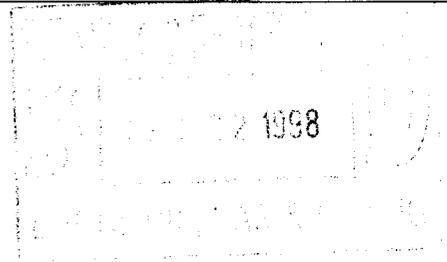
**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)**

Verbal approval given by John Baza w/Utah state to set cement retainer above Baker model "A-5" dual string packer and squeeze off lower perforations for plugback. Well is in preparation for sidetrack. Approval given to cement all tools below retainer setting & squeeze off perms. A-5 packer was unable to be retrieved due to being stuck. Approval given on Feb 9, 1998, 13:30 hr via telephone call to J. Vern Griffin (Amoco consultant on-site)

Plugged as follows:  
 2/8/98-Pull 2 7/8" short string tubing out of hole with snap latch. 2/9/98-Cut 2 3/8" long string tubing at 6071', 21.81' above A-5 packer. 2/10/98-Set Halabartan model "HCS" cement retainer 6051.98' (top). 2/12/98-Pump 410 sx of class "C" cement with additives. No pressure achieved while pumping. Cleaned retainer with 5/Bbl of water. 2/13/98-Pump 100 sx of class "G" neat cement & 200 sx class "G" w/additives. Achieving no pressure while pumping. Clear retainer w/5 Bbls of water. 2/14/98- Obtain injection rate thru retainer at 500 psi 2BPM-Mix and pump 50 sx of 10-0 RFC cement. Spot cement to EOT & string into retainer. Pump 50 sx of 10-0 RFC cement thru retainer obtaining 1150 psi running squeeze at 1/4BPM. Top out w/20 sx of class "G" cement above retainer. Reverse out remaining cement leaving cement top at 6018.22'. 2/16/98-cement top tag via tubing at 6018.22'.

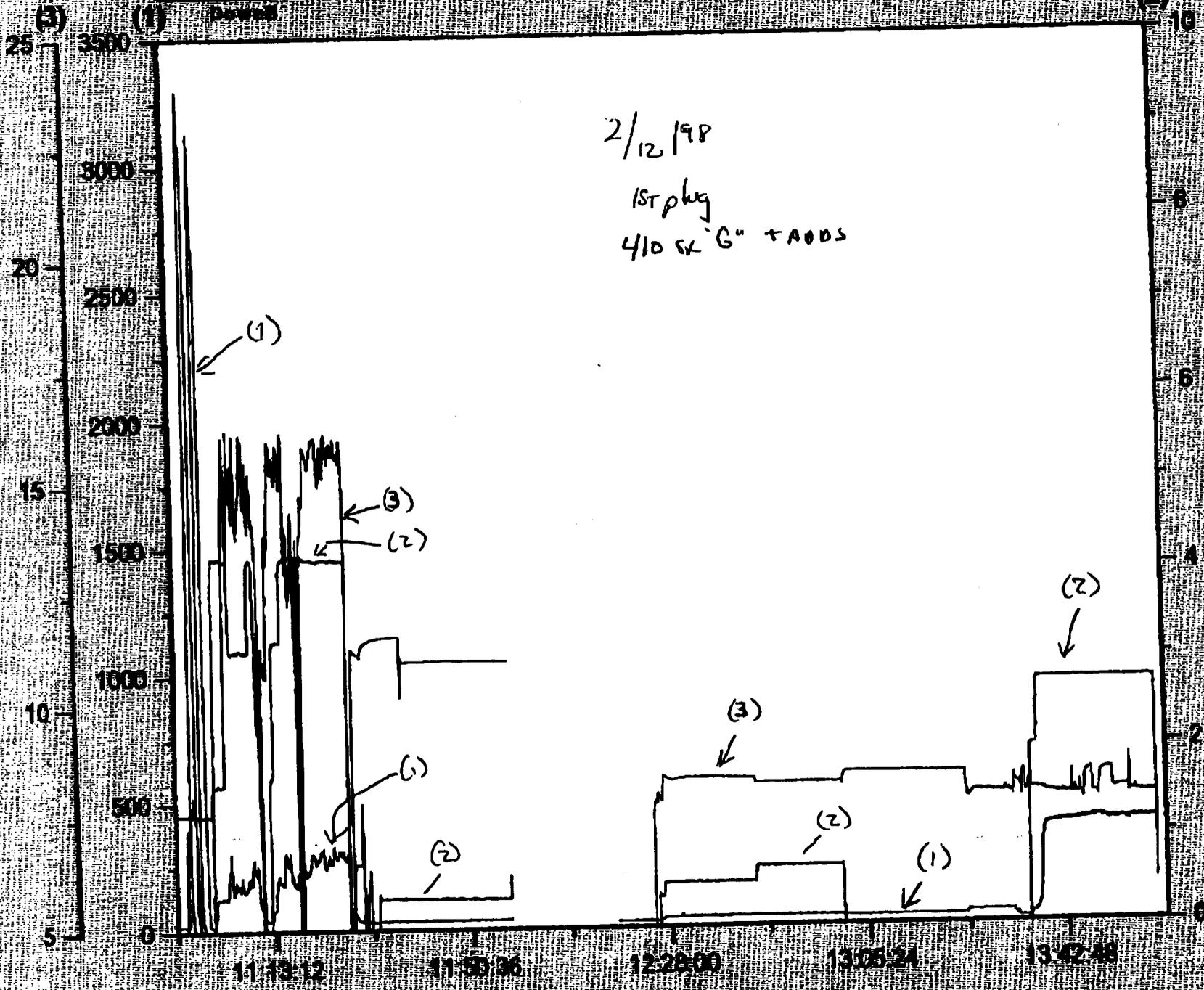
13. Signature: *J. G. Winters* Title: Permitting Agent Date: 02/24/98

(This space for State use only)



Schmidberger

PRISM  
Time Pick



(1) Pressure (psi)

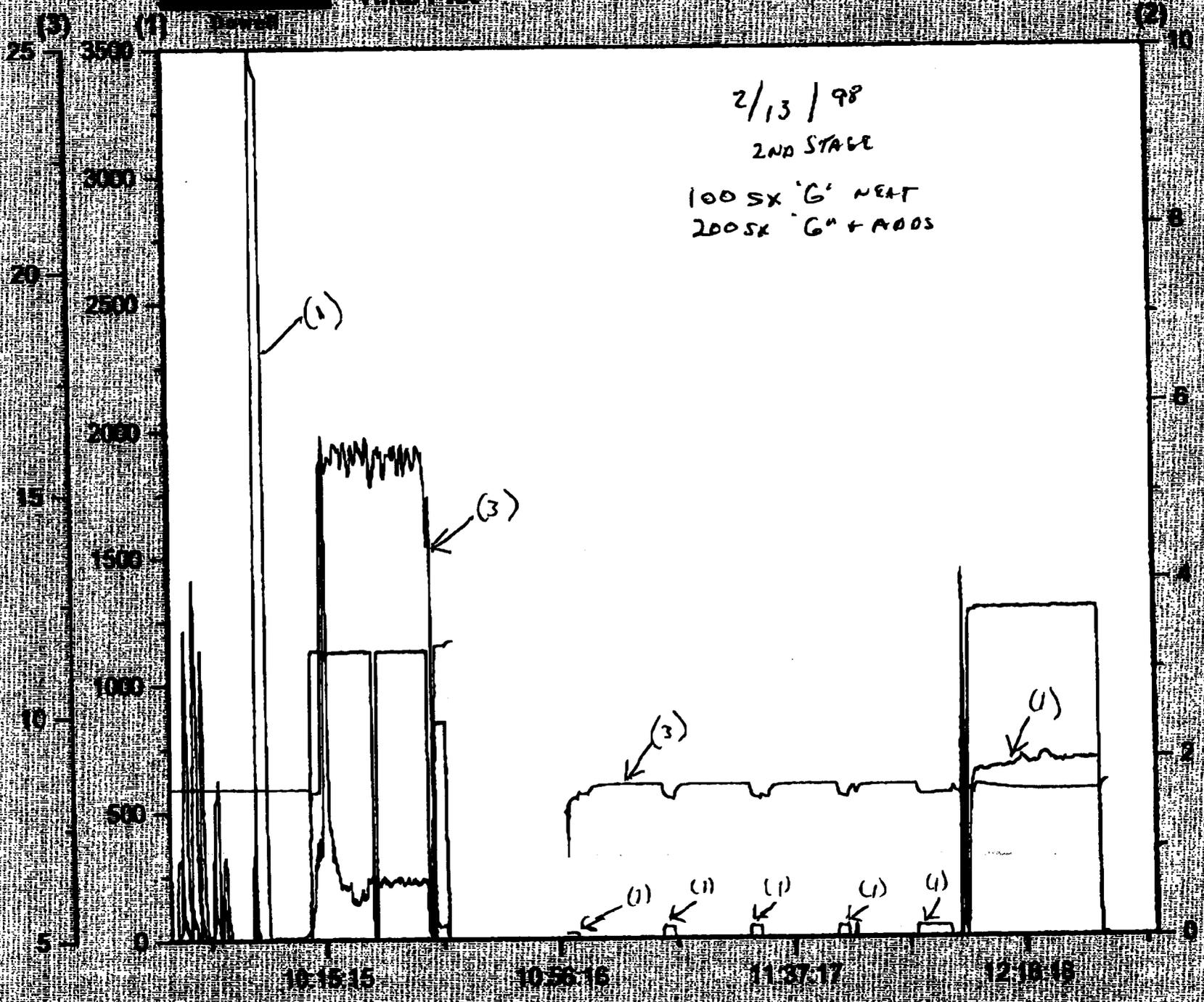
(3) Density (ppm)

(2) Top Floor Level (ft)

Time of Schmidberger

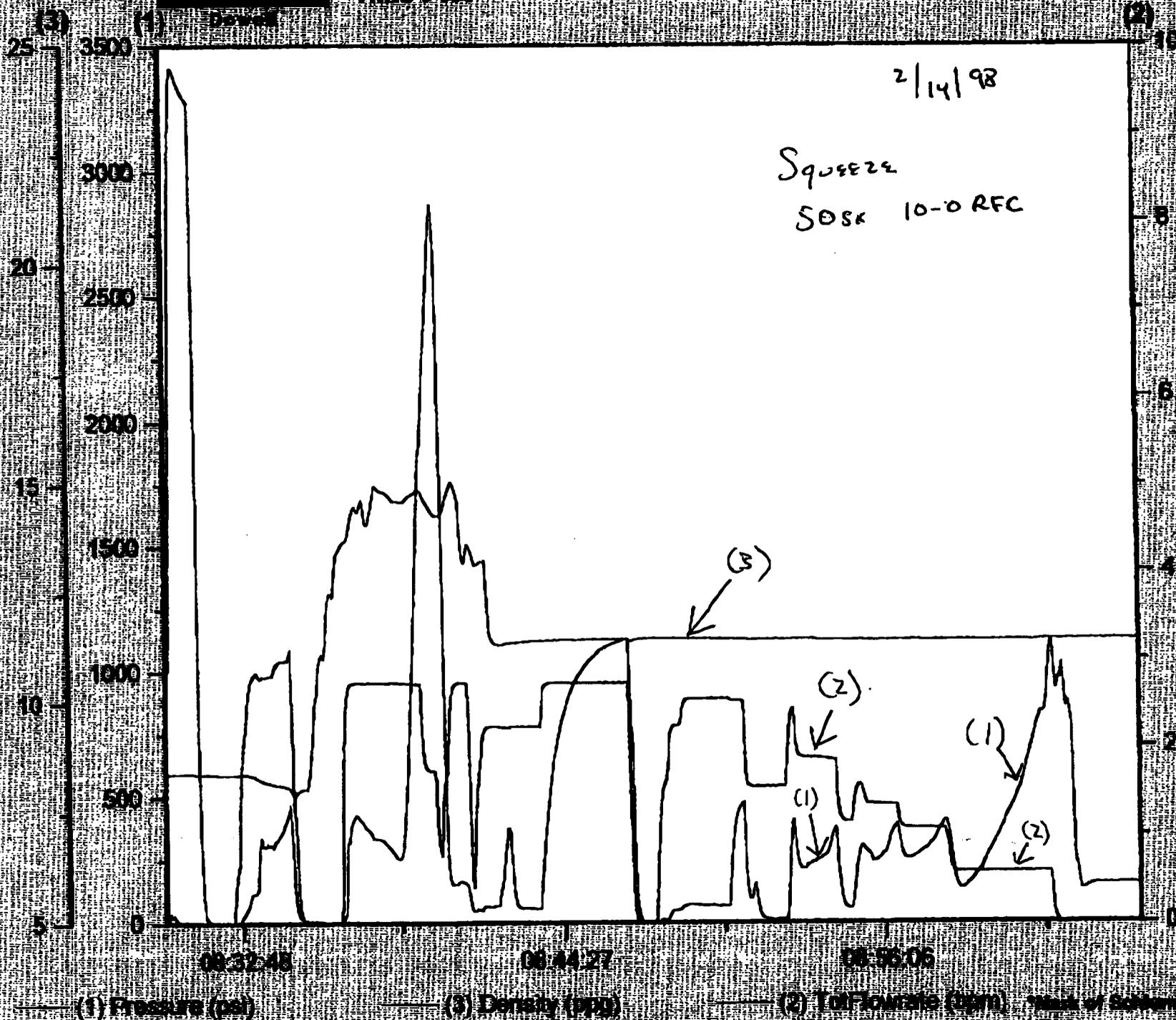
SECRET

# PRISM Time Plot



SECRET

PRISM  
TIME PLOT

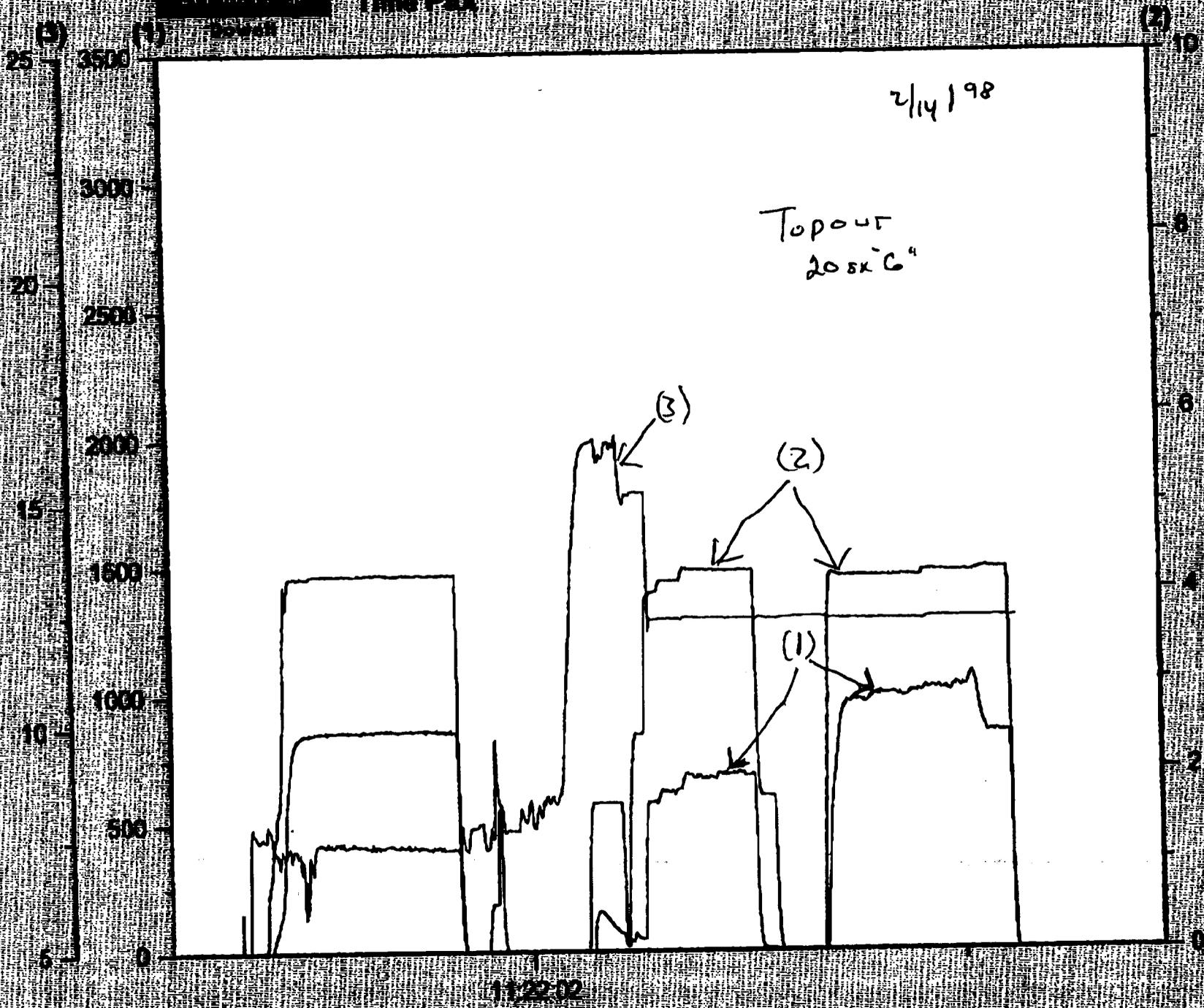


(1) Pressure (psi)

(3) Density (g/cc)

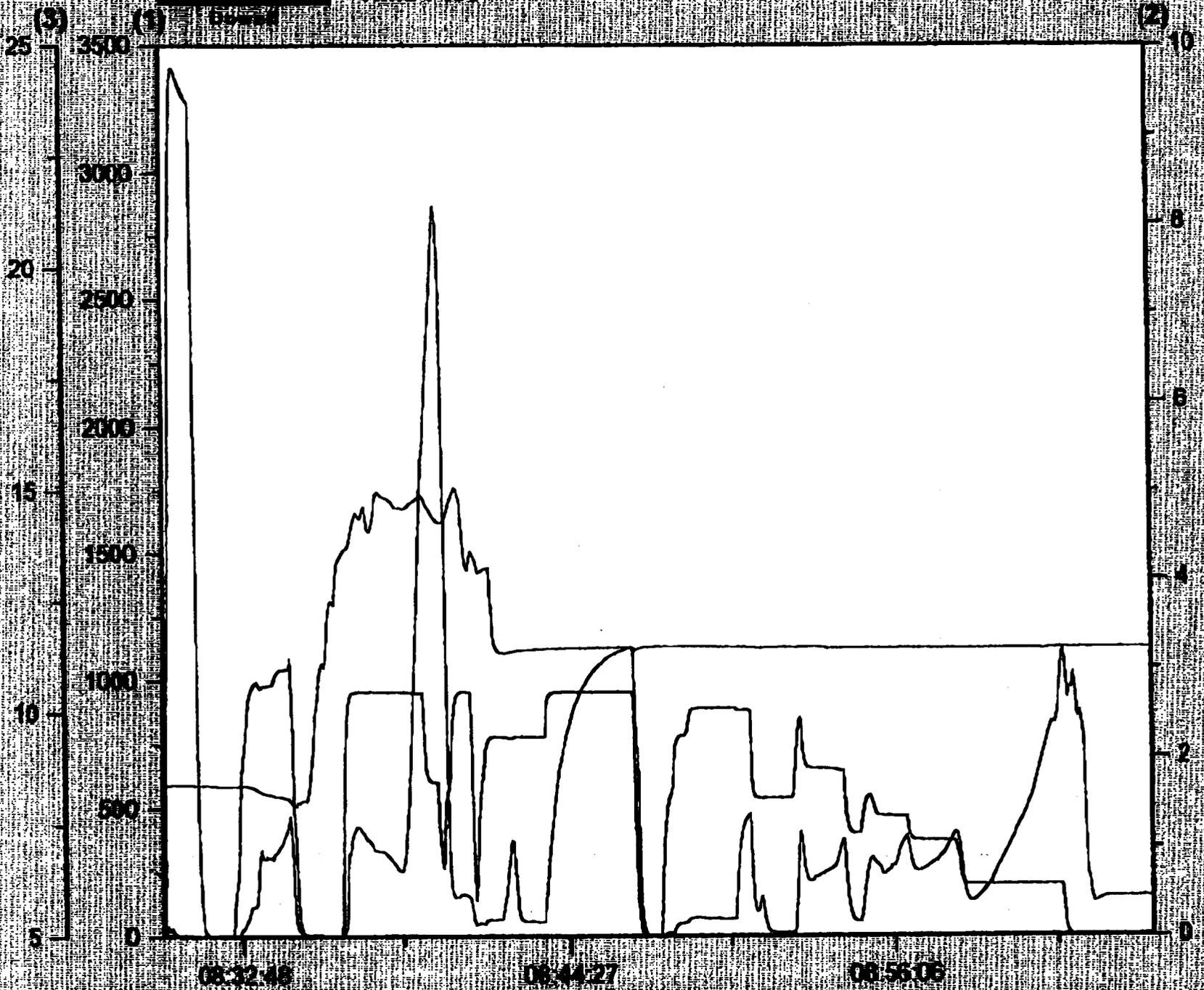
(2) Tol Fouling (mm)

max of 300000



Seamount

# PRISM Time Plot



(1) Pressure (ps)

(3) Density (ppm)

(2) TdF (ovr) (rpm)

Mark of Seamount

CEMENTING SERVICE REPORT

Schlumberger  
Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 23730 23478  
DATE: 2/14/98  
STAGE: DS DISTRICT: Rockaway Valley

39-496-A PRINTED IN U.S.A.

WELL NAME AND NO. **Champion 372 L-1** LOCATION (LEGAL) **Sec. 23-T4N-R7E**  
 FIELD-POOL **1** FORMATION  
 COUNTY/PARISH **Summit** STATE **UTAH** API. NO.  
 NAME **Amoco Prod Co.**  
 ADDRESS  
 ZIP CODE

RIG NAME: **Summit**  
 WELL DATA: BOTTOM TOP  
 BIT SIZE CSG/Liner Size  
 TOTAL DEPTH WEIGHT  
 ROT  CABLE FOOTAGE  
 MUD TYPE GRADE  
 BHST  BHCT THREAD  
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) TOTAL  
 MUD VISC. Disp. Capacity

SPECIAL INSTRUCTIONS  
**Get plugs below casing @ 6052  
 505x (R-ORFC)**  
 IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT **1000** PSI BUMP PLUG TO PSI  
 ROTATE RPM RECIPROCATATE FT No. of Centralizers

NOTE: Include Footage From Ground Level To Head in Cap. Capacity  
 Head & Plugs:  TBG  O.P. SQUEEZE JOB  
 Double SIZE **2 7/8** TOOL TYPE **R-ORFC**  
 Single  WEIGHT **65** DEPTH  
 Swage  GRADE TAIL PIPE: SIZE DEPTH  
 Knockoff  THREAD **504** TUBING VOLUME **35** Bbls  
 TOP OR LW  NEW  USED CASING VOL. BELOW TOOL **40** Bbls  
 BOT LR LW DEPTH **6052** TOTAL **75** Bbls  
 ANNUAL VOLUME **190** Bbls

JOB SCHEDULED FOR TIME: 0700 DATE: 2/14 ARRIVE ON LOCATION TIME: 0700 DATE: 2/14 LEFT LOCATION TIME: 1235 DATE: 2/14

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0715											
0730											
0835	0	0	5	-	2	Fw	8.34				
0835	300	Flow	12	5	2 1/2	RFC	14.5				
0840	400	500	13	17	2 1/2	Fw	8.34				
0845	750	500	-	30	-	-	-				
0847	0	1000	20%	-	2 1/2	Fw	8.34				
0901	1150	1000	-	50%	1 1/2	-	-				
0902	0	0	-	-	-	-	-				
1105	0	0	40	-	3 1/4	Fw	8.34				
1117	Flow	500		90%							
1125	0	0	3	-	1 1/2	Int	16				
1127	150	Flow	32	93%	4	Fw	8.34				
1135	500	Flow	-	100%	-	-	-				
1140	0	0	45	-	4	Fw	8.34				
1151	0	0	-	100%	-	-	-				

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	30	1.40	10-0 RFC	(6" + 10% 0-53)	12	14.5
2.	20	1	6" PLAT		3	16
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX: 1150 MIN: 0  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO 1 1/2 + Bbls  
 BREAKDOWN PSI FINAL **1150** PSI DISPLACEMENT VOL. **33 1/2** Bbls TYPE OF WELL  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 Washed Thru Ports  YES  NO TO **6000** FT. MEASURED DISPLACEMENT  WIRELINE  
 PERFORMANCES TO TO CUSTOMER REPRESENTATIVE **Wear Griffin** DS SUPERVISOR **Randy Kelt**

CEMENTING SERVICE REPORT

Schlumberger

Dowell  
DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 4070213400	DATE 2/13/98
STAGE 06	DISTRICT Rock Springs Wyo

98-A PRINTED IN U.S.A.

WELL NAME AND NO. +372 C-1	LOCATION (LEGAL) Sec 23-T1N-R7E
D-POLY	FORMATION
COUNTY/PARISH Summit	STATE UTAH
APL. NO.	

RIG NAME: Summit	WELL DATA:	BOTTOM	TOP
BIT SIZE	CSG/Liner Size		
TOTAL DEPTH	WEIGHT		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE		
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)		TOTAL
MUD VISC.	Disp. Capacity		

ADDRESS Amoco Prod Co.	ZIP CODE
---------------------------	----------

NOTE: Include Footage From Ground Level To Head In Disp. Capacity			
Flow Type	DEPTH	TYPE	DEPTH
Swage Tool Type	DEPTH	TYPE	DEPTH

SPECIAL INSTRUCTIONS  
 3400229 Below Retainer @ 6052  
 200 SX 6" NAT  
 200 SX 6" ROOS

Head & Plugs	<input type="checkbox"/> T&G	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE	TOOL	TYPE	DEPTH
<input type="checkbox"/> Single	WEIGHT		RETAINER (Power)	6052
<input type="checkbox"/> Swage	GRADE	TAIL PIPE: SIZE	DEPTH	
<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME	35	Bbls
TOP <input type="checkbox"/> OR <input type="checkbox"/> LW	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL	40	Bbls
BOT <input type="checkbox"/> OR <input type="checkbox"/> CW	DEPTH	TOTAL	75	Bbls
		ANNUAL VOLUME	1905	Bbls

CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CASING WEIGHT - SURFACE AREA (3.14 x R <sup>2</sup> )
PRESSURE	PSI
PRESSURE LIMIT 3000'	PSI
BUMP PLUG TO	PSI
RATE	RPM
RECIPROCATATE	FT
No. of Centralizers	

JOB SCHEDULED FOR TIME: A:AP DATE: 2/13	ARRIVE ON LOCATION TIME: 0900 DATE: 2/13	LEFT LOCATION TIME: 1200 DATE: 2/13
-----------------------------------------	------------------------------------------	-------------------------------------

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: A:AP DATE: 2/13			ARRIVE ON LOCATION TIME: 0900 DATE: 2/13			LEFT LOCATION TIME: 1200 DATE: 2/13		
	T&G OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL					
0002								PRE-JOB SAFETY MEETING YES (Group)					
1012	0	0	5	-	3	FW	8.34	Pressure Test 3500' (string out)					
1014	350	Flow	20	5	3	NAT	15.8	START FW HEAD (string out)					
1020	225	Flow	40	25	3	Blk	15.8	START NAT (Hole down string)					
1033	225	0	5	65	2	FW	8.34	START BLK @ 3000' (unit)					
1036	0	-	-	70	-	-	-	SHUTDOWN WAIT					
1057	25"	0	5	75	1+	FW	8.34	START Pump C					
1115	45"	0	5	80	1+	"	"	START C-Pump					
1130	45"	0	5	85	1+	"	"	START C-Pump					
1145	45"	0	5	90	1+	"	"	START C-Pump					
1200	45"	0	15	105	1+	"	"	C-Pump					
1207	Flow	200	27	-	3-4	FW	8.34	String out Reverse out					
1230	0	0	-	19-	-	-	-	SHUTDOWN					

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	100	1.15	6" NAT				20	15.8
2.	200	1.15	6" + 0.175% B-14 + 0.20% D-46				40	15.8
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX 700	MIN: 0
RESISTANCE SQ.	<input type="checkbox"/> RUNNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
DISPLACEMENT VOL.	PSI	FINAL	0	PSI	DISPLACEMENT VOL. 40
MEASURED DISPLACEMENT	FT.	MEASURED DISPLACEMENT	<input checked="" type="checkbox"/>	TYPE OF WELL	<input type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT
CUSTOMER REPRESENTATIVE	JERRY COOPER		DS SUPERVISOR	Ray A. K... ..	

CEMENTING SERVICE REPORT

Schlumberger

Dowell SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 4225013418  
 STAGE: DS DISTRICT: KOLK SPRINGS WY  
 DATE: 1/21/98

US-496-A PRINTED IN U.S.A.

WELL NAME AND NO.: **Chaplin 372 C-1**  
 LOCATION (LEGAL): **Sec 23-74N-R 7E**  
 FIELD-POOL: **SEC 23-74N-R 7E**  
 COUNTY/PARISH: **Summit** STATE: **UTAH** API. NO.:  
 NAME: **Amoco Prod Co.**  
 ADDRESS: ZIP CODE:

RIG NAME: **Summit**

WELL DATA:		BOTTOM	TOP
BIT SIZE	CSG/Liner Size		
TOTAL DEPTH	WEIGHT		
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE		
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD		
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)		TOTAL
MUD VISC.	Disp. Capacity		

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS: **Spacers Below Retainer (w) 6052 with 4105X-2 + ADDS (SEE BELOW)**

IS CASING/TUBING SECURED?  YES  NO **UNSAFE**  
 LIFT PRESSURE: PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT: **3000** PSI BUMP PLUG TO: **11** PSI  
 ROTATE: RPM RECIPROCATE FT No. of Centralizers

Roat	TYPE	DEPTH	TYPE	DEPTH
	<b>A</b>		<b>A</b>	
SHOE	TYPE	DEPTH	TYPE	DEPTH
	<b>A</b>		<b>A</b>	

Head & Plugs:  DTBG  D.P. SQUEEZE JOB  
 Double SIZE: **2 7/8** TOOL TYPE: **RTA. near Hondo**  
 Single LI WEIGHT: **6.5"** DEPTH: **6052**  
 Swags  GRADE TAIL PIPE: SIZE DEPTH  
 Knockoff  THREAD **6.5"** TUBING VOLUME: **35** Bbls  
 TOP OR TW  NEW  USED CASING VOL. BELOW TOOL: **40** Bbls  
 BOT OR BW DEPTH: **6052** TOTAL: **75** Bbls  
 ANNUAL VOLUME: **189.4** Bbls

JOB SCHEDULED FOR TIME: **0700** DATE: **2/12** ARRIVE ON LOCATION TIME: **0715** DATE: **2/12** LEFT LOCATION TIME: **1430** DATE: **2/12**

TIME	PRESSURE		VOLUME PUMPED gbl		JOB SCHEDULED FOR			SERVICE LOG DETAIL		
	TBG OR D.P.	CASING	INCREASING	QUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	PRE-JOB SAFETY MEETING		
1000								VESO Rig up & SAFETY MEETING		
1058								TEST - 1.1 mgal @ 3500'		
1101	0	11"	10	-	4	FW	8.34	STARTING TEST		
1104	125"	11"	103	10	4	FW	15.8	STARTING CONGR		
1128	290"		1	93	1/2	FW	8.34	START OVER		
1132	0		-	98	-	-	-	<del>STARTING</del> STOP		
1133	0		0	-	1/4 +	FW	8.34	START Pumping		
1200	35"		-	108	-	-	-	SHUTDOWN (WAIT)		
1230	0		15	-	1/2	FW	8.34	START Pumping		
1300	35"		-	108	-	-	-	SHUTDOWN (WAIT)		
1330	0		15	-	1/4	FW	8.34	START Pumping (C-PUMP)		
1340	45"		-	138	-	-	-	SHUTDOWN		
1342	0		5	-	2 1/2 +	FW	8.34	REVERSE OUT		
1344	Flow	380"	5T	5	"	"	"	RETURN		
1405	0		-	60	-	-	-	SHUTDOWN		

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED		
			1	2	3	BBLs	DENSITY	
1.	410	1.15	0"	0.17% 6-19	0.17% 0-65	0.05% 6-71	84	150
2.								
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE:  HESITATION SO.  RUNNING SO. CIRCULATION LOST:  YES  NO  
 PRESSURE: MAX. **400** MIN: **0**  
 Cement Circulated To Surf.  YES  NO Bbls.  
 BREAKDOWN: PSI FINAL - PSI DISPLACEMENT VOL. **40** Bbls  
 TYPE OF WELL:  OIL  GAS  STORAGE  BRINE WATER  WILDCAT  
 WIRELINE  
 Washed Thru Parts  YES  NO TO **5000** FT. MEASURED DISPLACEMENT   
 PERFORATIONS: TO **6155** TO **7056** CUSTOMER REPRESENTATIVE: **Clayton Griffin**  
 SUPERVISOR: **Kevin K...**

**AMOCO PRODUCTION CO.**  
 UPDATED:  
 Submitted by: V. G. Galt

**WELLBORE DIAGRAM**

Field: Anschutz Ranch  
 Well: CH 372 C #1  
 SEC: 23 TWP: 4N RGE: 7E

KB Correction: 18  
 DESCRIPTION - TOOLS RUN - ETC.

DEPTH KB

**Expansion Valve**  
 Twin Creek  
 Nugget  
 Anschutz  
 Theoria

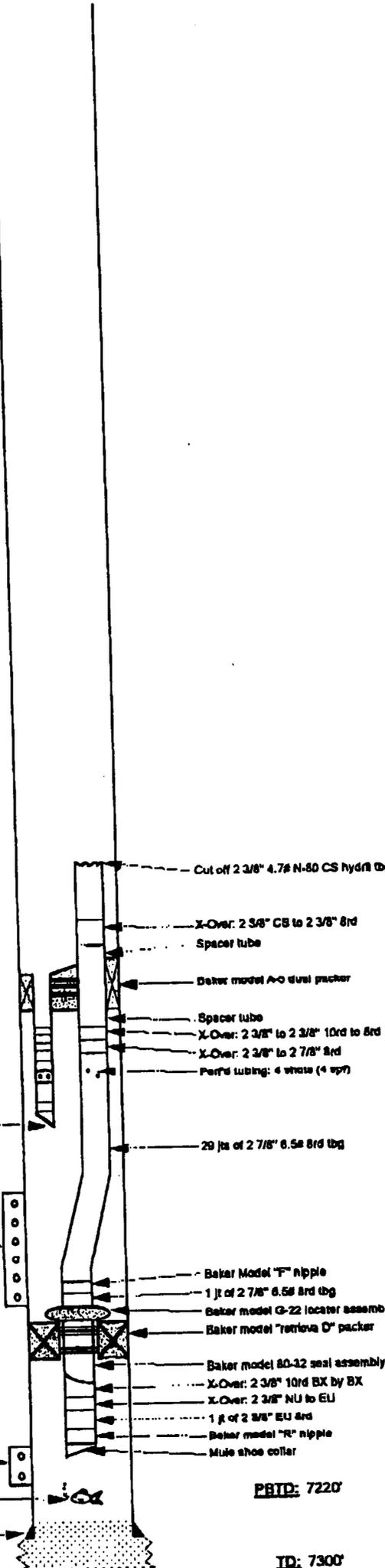
**Spacer tube short string:**  
 Spacer tube, X-over, 2 3/8" pup, Model "E" hydr  
 trip sub, 2 3/8" pup, Model "F" nipple, Perf'd pup,  
 1 ft 2 3/8" tbg, Baker model "R" nipple, Mule shoe  
 Avg OD's & ID's: IO 1.801" & ID 2.82"  
 Overall length: 48.73'  
 EOT at 6141.54'

**Twin Creek Perfs:**  
 6155' thru 6980'

**Nugget Perfs:**  
 7056' thru 7096'

**FISH:** 2 3/8" tbg (25)

**Prod Casings:**  
 7" 23 & 26# K-55 & S95  
 set at 7300'



MIN ID	MAX OD	DEPTH KB
1.801"	2.375"	6071' KB
1.801"	3.082"	6089.48'
1.801"	2.375"	6090.29'
1.801"	6.093"	<u>6092.81'</u>
1.801"	2.376"	6098.13'
1.801"	2.876"	6099.43'
1.801"	3.00"	6103.67'
2.441"	3.868"	6100.07'
Tbg collar: 2.828" - Tube: 2.875"		
1.87"	3.8875"	6894.86'
2.441"	3.888"	6895.87'
2.406"	3.46875"	7023.95'
3.25"	6.093"	<u>7025'</u>
2.406"	2.888"	7036.66'
1.808"	3.082"	7037.08'
1.808"	3.082"	7037.46'
1.801"	3.082"	7089.12'
1.780"	2.82"	7069.80'
1.801"	2.92"	7071.21'

PBTD: 7220'

ID: 7300'

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: **FEE**

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

**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

8. Well Name and Number:  
**Ch 372 "C" 1 ST #1**

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

9. API Well Number  
**43-043-30143**

3. Address and Telephone Number:  
**P. O. Box 800, Denver CO 80201, Suite 812B 303-830-4781**

10. Field and Pool, or Wildcat:  
**Anschutz Ranch**

4. Location of Well  
Footages: **860' FNL x 536' FWL** County: **Summit**  
QQ, Sec., T.,R.,M.: **NW/4 Sec. 23-T4N-R7E** State: **Utah**

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other <b>Sidetrack</b>	<input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

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

Amoco Production Company proposes to sidetrack the Anschutz Ranch Champlin 372 C-1 well. The well is temporarily abandoned. It is proposed to cut a window in the 7", 26# casing above 6,020' MD and drill a 6-1/8" hole. The directional plan is to build to horizontal (8 deg/100') by the top of the Nugget formation and to drill 1,000' of lateral. A 4-1/2" liner would be run to the top of the Nugget and cemented to isolate the Twin Creek formation. The Nugget would be completed openhole. A 4-1/2" tieback string would be run. If you require additional information, please contact Gigi Martinez @ (303) 830-4781.

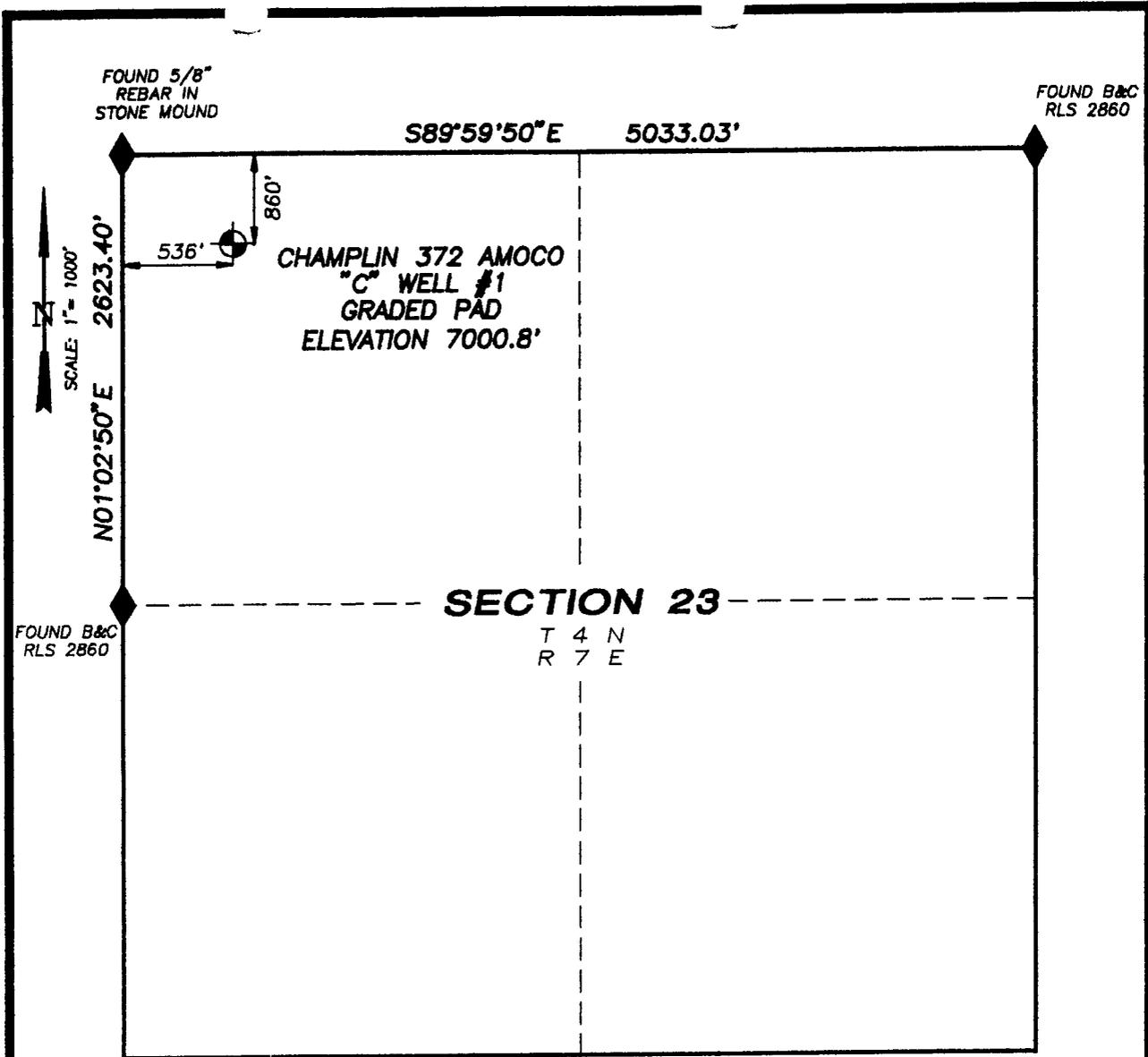
**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE: 3/26/98  
BY: [Signature]

13. Signature: [Signature] Title: **Regulatory Agent** Date: 3/4/98

(This space for State use only)

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING**  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

**RECEIVED**  
MAR 05 1998  
DIV. OF OIL, GAS & MINING



LOCATION MAP

SURVEYED UNDER MY SUPERVISION  
IN NOVEMBER 25, 1997



**MAP to ACCOMPANY**  
**APPLICATION for PERMIT to DRILL**  
**AMOCO PRODUCTION COMPANY**  
**CHAMPLIN 372 AMOCO "C" WELL #1**  
**860' FNL 536' FwL**  
**SECTION 23, T4N, R7E, 6th P.M.**  
**SUMMIT COUNTY, UTAH**

UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 01/09/98 JOB #: 97-10-73  
 DISK #: WELLOS FILE: 97-10-73

**AMOCO****Exploration and Production Sector  
Western U. S. Business Unit**Amoco Building  
1670 Broadway  
Post Office Box 800  
Denver, Colorado 80201-0800  
303-830-4040

March 26, 1998

Mr. Lowell Braxton, Deputy Director/Acting Director  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801

File: CAW-116-986.511

**Application for an Exception to the Well Location  
Requirements of the Anschutz Ranch Field Spacing Order  
Champlin 372 Amoco C 1-ST No. 1  
Section 23-T4N-R7E  
Anschutz Ranch Field  
Summit County, Utah**

Amoco Production Company hereby makes application for administrative approval of an exception to the well location requirements of the Anschutz Ranch Field spacing order. Enclosed are written consents from all owners of direct and diagonally offsetting drilling units. We respectfully request, in the absence of any objection by the Division, that this application be granted immediately and that the pending Application for Permit to Drill also be approved.

The exception is required for the drilling of the Champlin 372 Amoco C 1-ST No. 1, a proposed horizontal well to be drilled from a surface location in the NW/4 of Section 23-T4N-R7E to a BHL in the SE/4 of Section 23-T4N-R7E.

Section 23-T4N-R7E is currently spaced on standup 320 acres for both the Nugget and Twin Creek Formations. Permitted well locations are 990 feet from the boundaries of the Northwest and Southeast quarters. Lands immediately to the North and East of Section 23-T4N-R7E are not spaced and are governed by the General Rules. Ownership throughout Section 23 is common.

Amoco proposes to drill the Champlin 372 Amoco C 1-ST No. 1, as a Nugget test, from a surface location 544 feet FWL and 866 feet FNL of Section 23-T4N-R7E, vertically to a

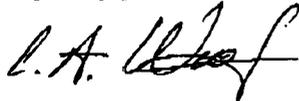
depth of approximately 4200 feet and then turn the well to the southeast towards a location approximately 1770 feet FWL and 1890 feet FNL of Section 23-T4N-R7E at a depth of approximately 6500 feet TVD. From this point the well will be drilled horizontally to an end point of approximately 2775 feet FWL and 2650 feet FNL. At no point in the projected pay would the well be closer than 990 feet from the exterior boundary of the section.

Dependent upon the results of this well, Amoco may file a subsequent application to modify the current Nugget spacing to accommodate this horizontal well. In as much as the required written consents from offset owners have been furnished and given the fact that ownership throughout Section 23 is common respectfully request that this application be granted.

Attached and made part of this application is the required plat showing the legal location, the proposed surface and bottomhole location, the location of all current wells and the ownership within each section.

If you have any question or require additional information please contact myself at (303) 830-4327. Your prompt consideration of this request is appreciated.

Very truly yours,



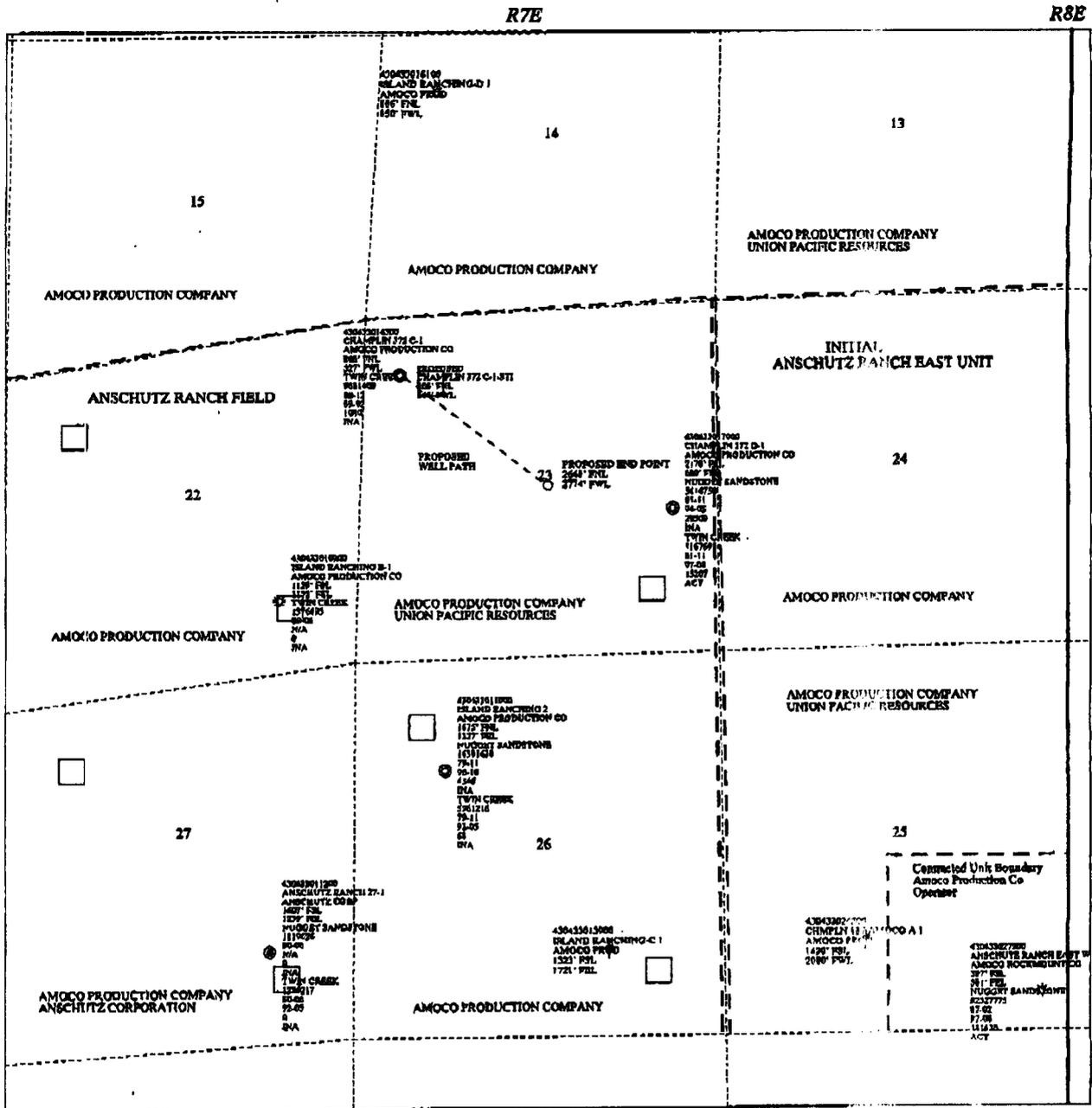
C. A. Wood  
Enclosures

cc:

Union Pacific Resources  
P. O. Box 7  
Fort Worth, TX 76101-0007  
Attn: Charles Farmer

Anschutz Corporation  
555 17th Street, Suite 2400  
Denver, CO 80202  
Attn: William Miller

B. S. McKim  
R. B. Wilson  
D. Miller



- Contracted Unit Boundary
- Initial Anschutz Ranch East Unit
- Anschutz Ranch Field
- Permitted Well Locations

API Number  
 Lease Name  
 Operator  
 Legal Location  
 Formation  
 Gas Cum  
 First Production Date (YY-MM)  
 Last Production Date (YY-MM)  
 Last Month Gas  
 Status

**Amoco Production Company**

Application

Horizontal Drilling  
 Champlin 372 C1  
 Sec 23-T4N-R7E  
 Summit County, Utah

Sections 13, 14, 15, 24 and non-unit lands in Section 25 governed by General Rules

**CONSENT  
CHAMPLIN 372 AMOCO C 1-ST NO. 1**

The undersigned, as an offset owner to the proposed Champlin 372 Amoco C 1-ST No.1, hereby grants consent to the drilling of the Champlin 372 Amoco C 1-ST No. 1 as an exception to the well location requirements of the Anschutz Ranch Field spacing order. It is our understanding that this well will be drilled as a horizontal well from a surface location 544 feet FWL and 866 feet FNL of Section 23-T4N-R7E to an approximate bottomhole location of 2775 feet FWL and 2650 feet FNL of Section 23-T4N-R7E, Summit County, Utah. Furthermore, it is also our understanding that no point within the projected pay zone will be closer than 990 feet from the exterior boundaries of Section 23-T4N-R7E.

Signed by: *J. D. Dunleavy*  
*Sr. Staff Engineer*  
Representing: *UNION PACIFIC RESOURCES COMPANY*  
Date: *MARCH 19, 1998*

**CONSENT  
CHAMPLIN 372 AMOCO C 1-ST NO. 1**

The undersigned, as an offset owner to the proposed Champlin 372 Amoco C 1-ST No. 1, hereby grants consent to the drilling of the Champlin 372 Amoco C 1-ST No. 1 as an exception to the well location requirements of the Anschutz Ranch Field spacing order. It is our understanding that this well will be drilled as a horizontal well from a surface location 544 feet FWL and 866 feet FNL of Section 23-T4N-R7E to an approximate bottomhole location of 2775 feet FWL and 2650 feet FNL of Section 23-T4N-R7E, Summit County, Utah. Furthermore, it is also our understanding that no point within the projected pay zone will be closer than 990 feet from the exterior boundaries of Section 23-T4N-R7E.

Signed by: William Miller - Vice President

Representing: THE ANSCHUTZ CORPORATION

Date: MARCH 18, 1998

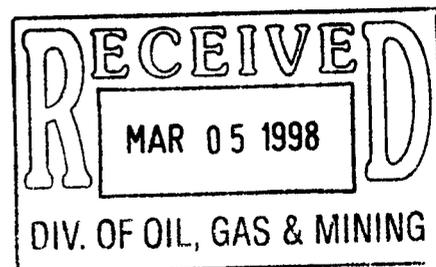
**PROPOSED PROCEDURE  
ANSCHUTZ RANCH CHAMPLIN 372 C1 ST#1  
SEC 23-T4N-R7E  
SUMMIT COUNTY, UTAH**

Amoco Production Company plans to sidetrack the C-1 well to the Nugget formation using the following procedure:

1. Cut window in existing 7", 26# casing above 6,020' MD.
2. Build angle at approximately 8 degrees/100' until reaching 90 degrees of wellbore inclination at the top of the Nugget formation (7,500' MD; 6,556' TVD).
3. Hold 90 degree inclination at 130 degrees azimuth for 1000' (8,500' MD total depth) in the Nugget.
4. Log openhole interval.
5. Run 4-1/2" liner to the top of the Nugget at 7,500' MD/6,556' TVD and cement with 95 sx utilizing an external casing packer and diverter tool. TOL will be approximately 5650' MD.
6. Clean out to TOL and pressure test to 1500 psi. Clean out 4-1/2" liner.
7. RIH with 4-1/2" tieback string and sting into liner top.
8. Perform acid stimulation to remove near wellbore damage in the Nugget openhole interval.

The existing well has been temporarily abandoned after an extended period of shut-in as a Twin Creek/Nugget dual completion.

The well will be sidetracked to the Nugget reservoir to restore production from this wellbore.



**AMOCO PRODUCTION CO.**  
 UPDATED: Feb. 16, 1988  
 Submitted by: V. Griffin

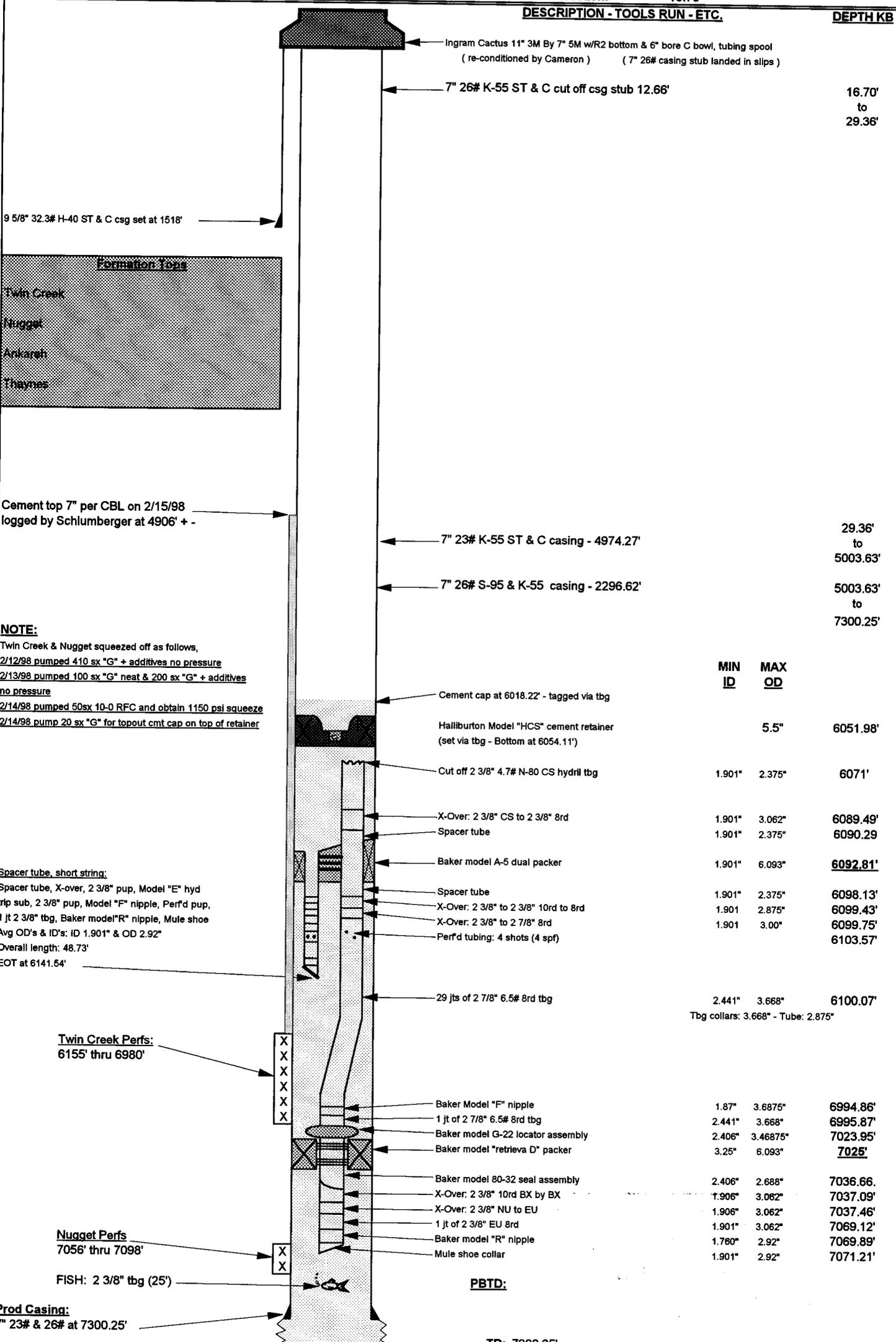
**WELLBORE DIAGRAM**

Field: Anschutz Ranch  
 Well: CH 372 C #1  
 SEC: 23 TWP: 4N RGE: 7E

KB Correction: 16.70'

**DESCRIPTION - TOOLS RUN - ETC.**

**DEPTH KB**



	MIN ID	MAX OD	DEPTH
7" 23# K-55 ST & C casing			29.36' to 5003.63'
7" 26# S-95 & K-55 casing			5003.63' to 7300.25'
Cement cap			6018.22'
Halliburton Model "HCS" cement retainer	5.5"		6051.98'
Cut off 2 3/8" 4.7# N-80 CS hydril tbg	1.901"	2.375"	6071'
X-Over: 2 3/8" CS to 2 3/8" 8rd	1.901"	3.062"	6089.49'
Spacer tube	1.901"	2.375"	6090.29'
Baker model A-5 dual packer	1.901"	6.093"	6092.81'
Spacer tube	1.901"	2.375"	6098.13'
X-Over: 2 3/8" to 2 3/8" 10rd to 8rd	1.901"	2.875"	6099.43'
X-Over: 2 3/8" to 2 7/8" 8rd	1.901"	3.00"	6099.75'
Perf'd tubing: 4 shots (4 spf)			6103.57'
29 jts of 2 7/8" 6.5# 8rd tbg	2.441"	3.668"	6100.07'
Tbg collars: 3.668" - Tube: 2.875"			
Baker Model "F" nipple	1.87"	3.6875"	6994.86'
1 jt of 2 7/8" 6.5# 8rd tbg	2.441"	3.668"	6995.87'
Baker model G-22 locator assembly	2.406"	3.46875"	7023.95'
Baker model "retrieva D" packer	3.25"	6.093"	7025'
Baker model 80-32 seal assembly	2.406"	2.688"	7036.66'
X-Over: 2 3/8" 10rd BX by BX	1.906"	3.062"	7037.09'
X-Over: 2 3/8" NU to EU	1.906"	3.062"	7037.46'
1 jt of 2 3/8" EU 8rd	1.901"	3.062"	7069.12'
Baker model "R" nipple	1.780"	2.92"	7069.89'
Mule shoe collar	1.901"	2.92"	7071.21'

**PBTD:**

**ID: 7300.25'**

AMOCO PRODUCTION COMPANY  
ANSCHUTZ RANCH FIELD  
DRILLING PROGRAM - NUGGET SIDETRACK

Amoco Production Company

Attachment to Sundry Notice

Well Name: **CHAMPLIN 372 C-1**                      Field: Anschutz Ranch

BH (Target) Location: 2642' FNL & 2766' FWL, (NW/4 SE/4), Section 23, T4N, R7E  
Surface Location: 860' FNL & 536' FWL, (NW/4 NW/4), Section 23, T4N, R7E  
Summit County, Utah

**1. The Geologic Surface Formation:**

The surface formation is the Wasatch Formation.

**2. Estimated Tops of Important Geologic Markers:**

Estimated KB = 23'              Ground Level = 7,001'              KB Elevation = 7,024'

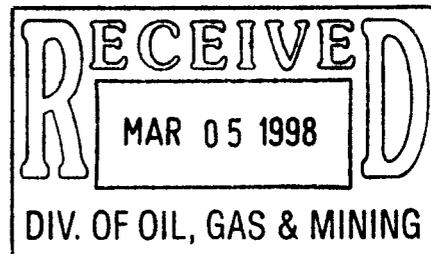
<u>FORMATION</u>	<u>MD</u>	<u>TVD</u>	<u>SUBSEA</u>
Twin Creek	5,388'	5,312'	1,697'
Leeds Creek	6,040'	5,840'	1,169'
Watton Canyon	6,280'	6,138'	871'
Boundary Ridge	6,620'	6,249'	760'
Rich	6,700'	6,311'	698'
Slide Rock	7,090'	6,490'	519'
Gypsum Springs	7,295'	6,543'	465'
Nugget	7,500'	6,556'	453'
<u>TOTAL DEPTH</u>	8,500'	6,560'	449'

**3. Estimated True Vertical Depths (Tops & Bottoms) of Anticipated Water, Oil, Gas, or Minerals; Operators Plans for Protection.**

Nugget 6,556'-7,500' TVD Oil/Gas\*              Twin Creek will be cased and cemented to isolate the Nugget.

\* Currently being produced in the Anschutz Ranch Field.

- Casing will be tested to 0.22 psi/ft. or 1500 psi, whichever is greater, but not exceed 70% of the minimum yield.
- Casinghead 9 5/8" x 11" 3,000 psi WP
- Tubinghead 11" 3M x 7-1/16" x 5,000 psi WP



**4. Proposed Casing and Cementing Programs - Re-entry**

<u>Hole Size</u>	<u>Setting Depth (Interval MD)</u>	<u>Section Length</u>	<u>Size (OD)</u>	<u>Wt. , Grade and Joint</u>	<u>New/Used</u>
6-1/8"	0'-5,650'	5,650'	4-1/2" (tieback)	12.60# N-80 VAM	Used
6-1/8"	5,650'-8,500'	2,850'	4-1/2" (liner)	12.6# N-80 VAM	Used

**Casing Design Factors:**

	<u>Tension</u>	<u>Collapse</u>	<u>Burst</u>
4-1/2" tieback	5.46	2.80	3.37
4-1/2" liner	2.71	2.50	20.23

**Cement Program:**

4-1/2" Production Liner: 5,650' - 8,500' MD (250' overlap into 7" intermediate casing).

Liner Cement: 95 sx Class G + 2% D20 (extender) + 0.3% D65 (Dispersant) + 0.35% D153 (anti-settling) + 0.1% D800 (Retarder) + 1.75 gps D600 (fluid loss) + 0.1 gps D135 (deflocculant) + .05 gps M45 (anti-foaming).

$$\text{Yield} = 1.36 \text{ ft}^3/\text{sk}, \text{ Wt} = 14.8 \text{ ppg}, \text{ Excess} = 20\%$$

Estimated top of cement will be at 5,650' MD. Actual volumes will be based on the four (4) arm caliper volume with 20% excess.

The following shall be entered in the Driller's log:

1. Blowout preventer pressure tests, including test pressures and results
2. Blowout preventer tests for proper functioning
3. Blowout prevention drills conducted
4. Casing run, including size, grade, weight, and depth set
5. How the pipe was cemented, including amount of cement, type, whether cement circulated, location of the cementing tools, etc.
6. Waiting on cement (WOC) time for each casing string
7. Casing pressure tests after cementing, including test pressure and results
8. Slow pump rate and pressure

**5. The Operator's Minimum Specifications for Pressure Control**

Attached is a schematic diagram of the blowout preventer equipment. A 5,000 psi system will be installed, maintained, used and tested in accordance with all requirements specified in Section III.A - of Onshore Order 2, except where variations are presented in this application.

Minimum standards outlined in Onshore Order 2 will be met for BOP, choke manifold, accumulator system and power for closing unit and locking devices. The accumulator and master hydraulic controls will be 100-200 feet from the drill hole. Remote hydraulic controls will be located on the rig floor. Manual controls will be handwheels. The kill line will not be used as a fill-up line.

Ram type preventers and associated equipment (choke manifold, kelly cocks, etc.) shall be pressure tested to 100% of their rated working pressure (with BOP stack isolated from casing by a test plug) for a period of 10 minutes. Annular preventers shall be tested to 50% of rated working pressure for 10 minutes. Tests will be run after initial installation, prior to drilling out of each casing shoe and after any use under pressure, or a minimum of once every 30 days.

Operational function tests will be conducted as follows: pipe rams each 24 hour period; pipe and blind rams on each trip with pipe out of the hole; and annular preventer at least weekly. Such checks of BOPE will be noted on daily drilling reports.

Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected at least daily to insure good mechanical working order and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

**6. The Type and Characteristics of the Proposed Circulating Muds**

There will be enough mud materials on site to displace the hole at any time.

<u>Measured Depth</u>	<u>Type</u>	<u>Weight #/Gal.</u>	<u>Viscosity Sec/Ot.</u>	<u>Fluid Loss</u>
6,000' - 8,500'	FW Organic Polymer	8.4 - 8.7	40 - 55	3-5 cc's

After mudding up, the slow pump rate and pressure will be recorded on the daily drilling report. Mud tests shall be performed every 24 hours to determine, as applicable, density, viscosity, gel strength, filtration, and pH.

**7. The Auxiliary Equipment to be Used**

1. An upper kelly cock valve will be kept in the string
2. A full opening stabbing valve with subs will be on the floor to be stabbed into the drill pipe when the kelly is not in the string
3. Pit level monitors, audio and visual indicators will be installed
4. Gas Buster

**8. The Testing, Logging and Coring Programs to be followed**

1. No drillstem tests are anticipated or planned
2. The logging program will consist of the following:  
 Array Induction/DEN/NEUT/GR                      5"                      TD - KOP
3. No cores will be taken
4. Completion Program: The Nugget will be completed openhole with an acid stimulation .

**9. Any Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures are anticipated. Bottom hole pressure is anticipated to be 2400± psi at 6,556' (TVD). Bottomhole temperature will be ± 150°F.

No Hydrogen Sulfide should be present in the Nugget Formation.

## **10. Anticipated Starting Date and Duration of the Operations**

The anticipated starting date is April 1, 1998, or as soon as possible after the rig finishes the ARE W29-04 sidetrack. Operations will cover 45 days for drilling and 5 days for completion.

Clean up may take up to one year, depending upon the weather.

Verbal and/or written notifications listed below shall be submitted in accordance with the Utah Oil and Gas Conservation Commission:

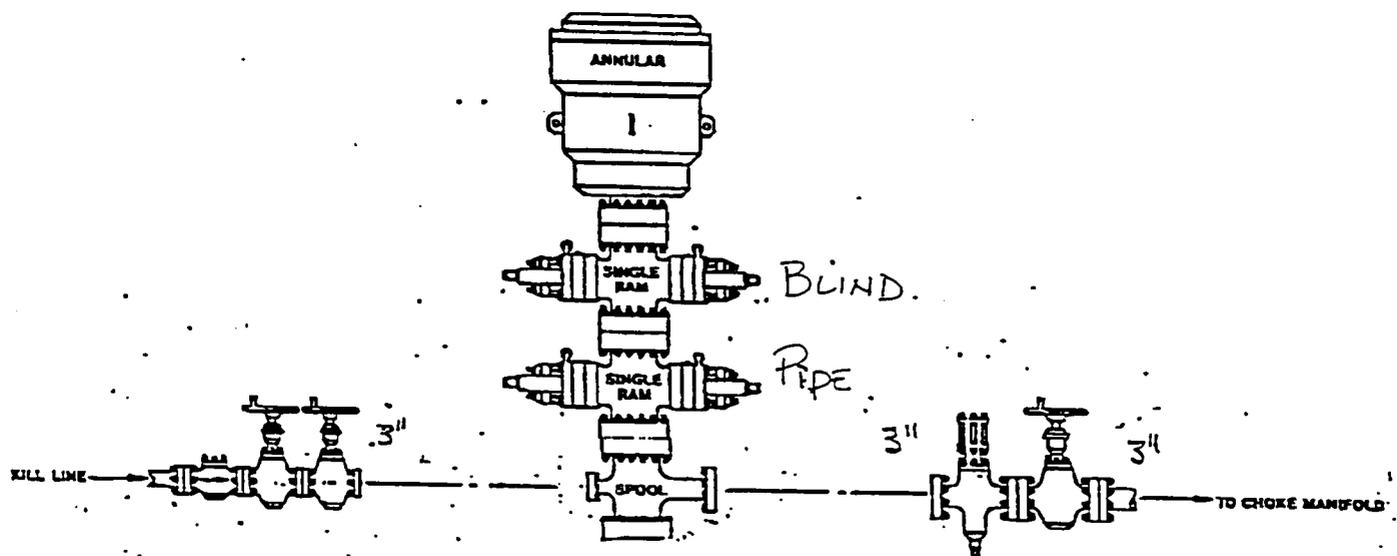
1. Prior to beginning construction.
2. Spud date will be reported orally to the Authorized Officer within 24 hours after spudding.
3. Notify Authorized Officer 24 hours prior to running any casing, cementing or BOP tests
4. Prior to plugging the well, for verbal plugging instructions. Unless the plugging is to take place immediately upon receipt of oral approval, the Authorized Officer must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness the plugging operation.
5. Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall be reported to the appropriate office immediately.

S. S. T. ENERGY CORPORATION

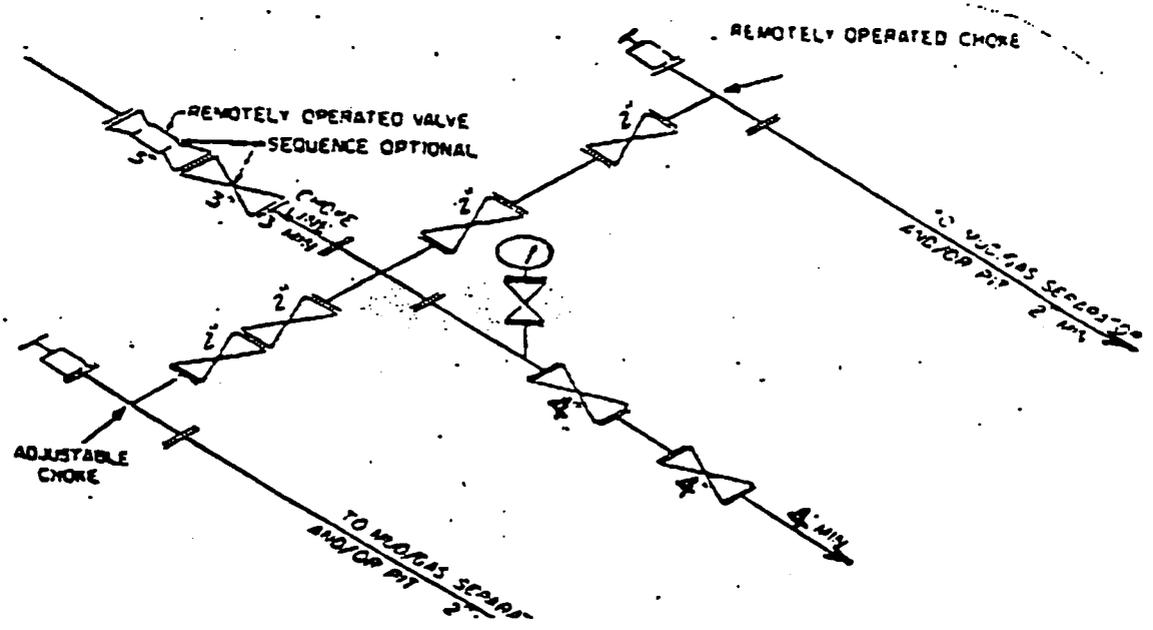
RIG #56

B.O.P. SCHEMATIC

7 1/16" 5000 BOP Stack



SM CHOKING MANIFOLD



Anschutz Ranch Field  
Champlin 372 C-1 ST #1

MD	Inclination	Azimuth	TVD	North-south Departure	East-west Departure	Comments
0	0	0	0	0	0	Original Wellbore
1542	1.4	326	1,542	16	-11	
1640	1.6	296	1,640	17	-12	
1740	1.7	302	1,740	19	-15	
1840	2.1	285	1,840	20	-18	
1940	1.9	290	1,940	21	-21	
2040	2.8	278	2,040	22	-25	
2140	2.4	283	2,139	23	-30	
2240	2.8	283	2,239	24	-34	
2340	2.1	303	2,339	25	-38	
2440	2.4	301	2,439	27	-41	
2540	2.6	297	2,539	29	-45	
2640	2.5	286	2,639	31	-49	
2740	2.4	282	2,739	32	-53	
2840	2.3	292	2,839	33	-57	
2940	2.3	295	2,939	35	-61	
3040	2.4	288	3,039	36	-65	
3140	2.5	279	3,139	37	-69	
3240	2	290	3,238	38	-73	
3340	2.4	282	3,338	39	-77	
3440	2	285	3,438	40	-80	
3540	2.4	289	3,538	41	-84	
3640	2	200	3,638	40	-86	
3740	3.5	166	3,738	36	-86	
3840	3.4	171	3,838	30	-85	
3940	4	138	3,938	24	-82	
4040	7.4	129	4,037	18	-75	
4140	9.8	128	4,136	8	-63	
4240	13.7	118	4,234	-2	-46	
4340	15.3	104	4,331	-11	-23	
4440	15.5	111	4,427	-19	2	
4540	16.5	124	4,523	-32	27	
4640	18.7	127	4,619	-49	51	
4740	20	129	4,713	-70	77	
4840	21.2	131	4,807	-93	104	
4940	22.1	127	4,900	-116	133	
5040	22.5	114	4,992	-135	165	
5140	23.4	107	5,084	-148	202	
5240	23.4	123	5,176	-165	238	
5340	23.8	126	5,268	-188	271	
5388	23.9	127	5,312	-199	286	
5440	24	128	5,359	-212	303	
5540	22.5	132	5,451	-237	333	
5640	21.3	130	5,544	-262	361	
5740	20.1	129	5,637	-284	389	



## SURFACE USE PROGRAM TO ACCOMPANY APD

Attached to Form OGC-1A

Amoco Production Company

Well Name: Anschutz Ranch Field Champlin 372 C-1 S.T. #1

Location: NW/NW Sec. 23-T4N-R7E

County: Summit State: Utah

### 1. Existing Roads

- a. The proposed well site location map, elevation plat. Cut and fill diagram, and cross sections are shown as EXHIBIT "A".
- b. From the Amoco Production Office in Evanston, Wyoming take Overthrust Road south. Go 16.7 miles to the Amoco Anschutz Ranch Plant. From the Plant to the water ponds, travel west another 1.7 miles. Then take Road #4, 4.6 miles to the Anschutz Ranch Champlin 372 C-1 lease (go right at the "Y" past the cabin at +/- 3.5 miles).
- c. The rig layout is shown in EXHIBIT "B". All roads to the location are shown on EXHIBIT "C".
- d. The existing roads need no improvement. Existing roads will be maintained in the same or better condition.

### 2. Planned Access Roads

No new access road is required. After completion of the well, the road will be restored to its original condition.

### 3. Location of Existing Wells

- a. One water well has been permitted within a one mile radius of this location.
- b. There is one water disposal well within a one mile radius.
- c. There are three producing wells (all currently shut-in) within this one mile radius. All are producing from either the Twin Creek or Nugget formations.
- d. There are no injection wells within a one mile radius.

4. Location of Existing and/or Proposed Facilities to be used if Well is Productivity

- a. This is a re-entry of an existing wellbore. The production facilities will continue to be utilized as in the past.
- b. Rehabilitation of all pad areas not used for production facilities will be made in accordance with the State of Utah and the surface landowner.
- c. Production facilities will remain in the same location as they are currently placed on the pad.
- d. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior approval from the State of Utah Oil and Gas Commission.

5. Location and Type of Water Supply

- a. Water for drilling will be trucked in from ARE #21-04 fresh water well by area contractors.
- b. Water will be provided by Amoco from the ARE #21-04 water well located in Sec. 21-T4N-R8E. This is a water well operated by the Anschutz Ranch East Plant.
- c. No water well is to be drilled for this location.

6. Construction Materials

- a. No construction materials are needed for drilling the well or constructing access roads into the location during drilling. If any surface materials are necessary, they will be provided by the dirt contractor.
- b. No construction or surfacing materials will be taken from any land.
- c. If well is productive and additional materials are required for road or pad, these materials will be provided by the dirt contractor.

7. Handling of Water Materials and Disposal

- a. Drill cuttings will be buried in the reserve pit.
- b. Drilling fluids will be allowed to evaporate in the reserve pit or trucked to approved disposal site.
- c. Any fluids produced during drilling tests or while making production tests will be collected in a test tank. No oil will be placed in the reserve pit. Any spills of oil, gas, salt water, or other noxious fluids will be cleaned up and removed. If well is productive, produced water will be disposed of by trucking to the Anschutz Ranch East SWD facility.
- d. Portable chemical toilets will be provided. No sewage will be left on site.
- e. Garbage and non-flammable trash will be disposed of in portable trash cage and hauled to nearest land fill. Drill fluids, drilling mud and tailing will be kept in the reserve pit. Reserve pit will be fenced on three sides during drilling and the fourth side fenced upon removal of the rig.
- f. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. All dangerous open pits will be fenced during drilling and kept closed until the pit is leveled.

8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

9. Well Site Layout

- a. EXHIBIT "A" is the drill pad layout as staked by Uinta Engineering of Evanston, Wyoming. Cuts and fills have been drafted to represent the planned cut across the location and the pit.
- b. EXHIBIT "B" is a diagram of the proposed rig layout. No permanent living facilities are planned. There will be trailers on site for the Amoco Drilling Foreman, Rig Tool Pusher, Mud Engineer, Directional Engineer and Mud Loggers.
- c. The reserve pit will be lined (12 mil).

- d. A flare pit will be located as shown on EXHIBIT "A".  
No fluids will be allowed to accumulate in the flare pit.

10. Plans for Reclamation of the Surface

- a. If well is abandoned, site will be restored to original condition as nearly as possible. Backfilling, leveling and contouring will begin as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away to an approved sanitary landfill immediately after drilling is completed. If production is obtained, the unused area of the drill pad will be restored as soon as possible.
- b. The site will be ripped prior to replacing the topsoil. The soil-banked material will be spread over the area. Re-vegetation will be accomplished by planting mixed grasses as per the landowners specifications.
- c. Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the fourth side will be fenced to prevent livestock or wildlife from entering; and the fencing will be maintained until leveling and cleanup are accomplished. Excess oily substances should be removed from the reserve pit within 30 days to aid evaporation.
- d. If any oil is on the pit and is not immediately removed, the pit will be flagged overhead or covered with wire mesh.
- e. The reclamation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substance will begin immediately or the area will be flagged and fenced. Other cleanup will be done as needed. It is estimated that reclamation operations will be completed by Fall 1998, depending upon weather conditions.

11. Surface Ownership

Surface at the well site is private property owned by the Castle Rock Land and Livestock Company. President is David Allen.

Amoco has negotiated a surface damage agreement with the surface land owner for the NW/4 NW/4 of Section 23. All of the pad lies on this Fee land.

12. Other Information

The primary surface use is for grazing.

The complete copy of the approved Application for Permit to Drill (APD), including conditions and stipulations, shall be at the well site during construction and drilling operations. A copy shall also be furnished to the dirt contractor.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the State of Utah Oil and Gas Commission office. Safe drilling and operating practices must be observed. A Notice of Intent to Abandon must be submitted for abandonment approval if the well is a dry hole.

This permit shall be valid for a period of one (1) year from the date of approval. After permit expiration, a new application will be filed for approval of any future operations.

13. Lessee's or Operator's Field Representative

THROUGH APD APPROVAL:

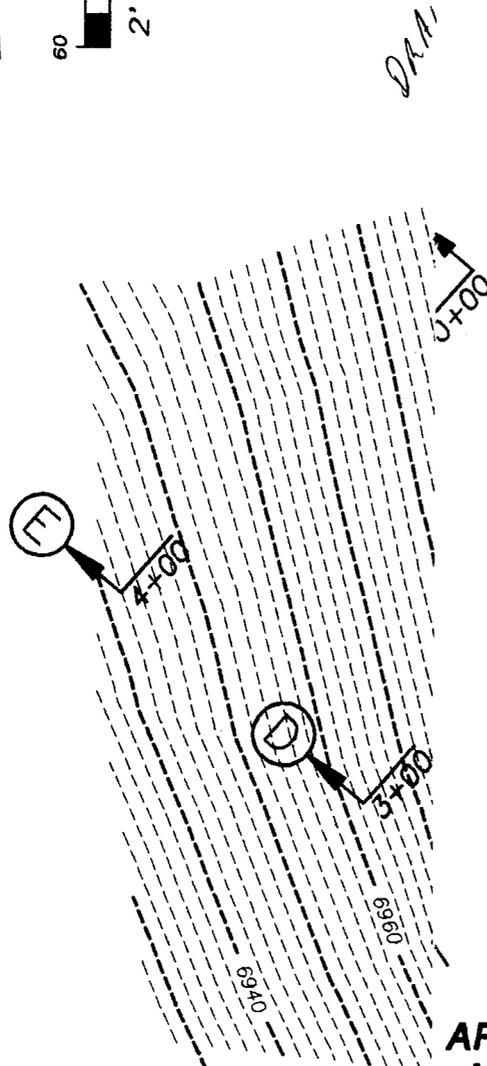
Bill Murphy

Production Foreman  
Amoco Production Company

MAIL APPROVED APD TO:

Gigi Martinez  
Amoco Production Company  
1670 Broadway, #812B  
Denver, Colorado 80202  
(303) 830-4781

**RECEIVED**  
 MAR 05 1998  
 DIV. OF OIL, GAS & MINING



**BASIS OF ELEVATION**

ELEVATIONS BASED ON USGS TRIANGULATION  
 "PORCUPINE" ELEVATION 9195'

**FINISHED PAD ELEVATION TO**

**WELL PAD QUANTITIES**

EXCAVATION = 6,166 C.Y. (PITS AND TOPSOIL)  
 EMBANKMENT = 5,370 C.Y.

SPOIL = 796 C.Y.

RESERVE PIT = 3,163 C.Y. (12' DEEP W/ 1

TOPSOIL = 2,113 C.Y. (CALCULATED AT 6" 1

ALL CUT SLOPES ARE 1.5:1 (UNLESS OTHERWISE NOTED)  
 ALL FILL SLOPES ARE 1.5:1 (UNLESS OTHERWISE NOTED)

**MAP to ACCOMPANY**  
**APPLICATION for PERMIT to DRILL**  
**AMOCO PRODUCTION COMPANY**  
**CHAMPLIN 372 AMOCO "C" WELL #1**  
**860' FNL 536' FWL**  
**SECTION 23, T4N, R7E, SLB&M**  
**SUMMIT COUNTY, UTAH**

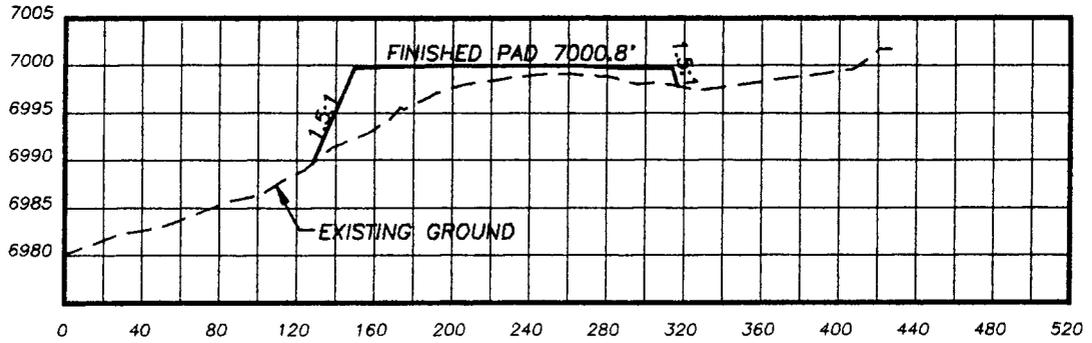
UINTA ENGINEERING & SURVEYING, INC.  
 808 MAIN STREET  
 EVANSTON, WYOMING 82930  
 (307) 789-3602

DATE: 01/08/98 JOB #: 97-10-73  
 DISK #: WEL05 FILE: 97-10-73

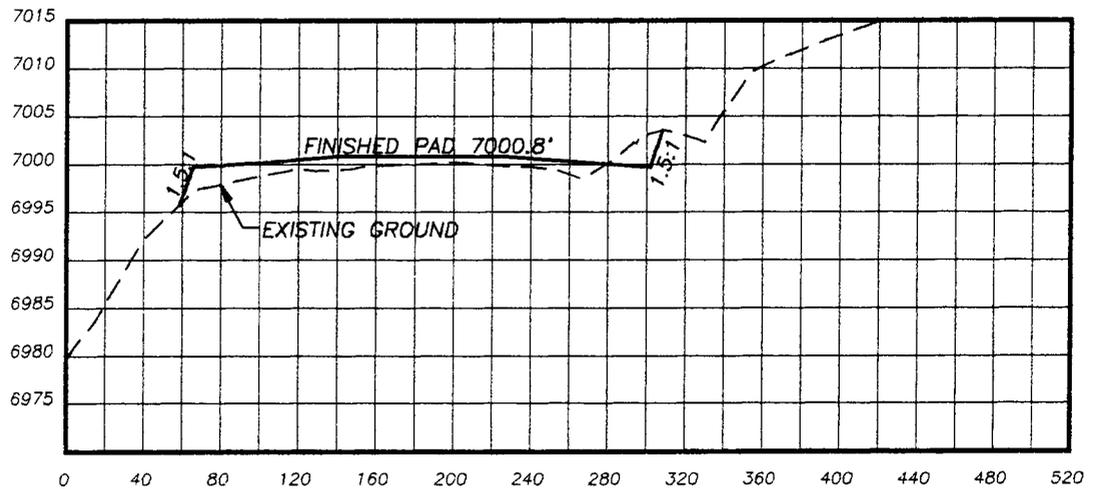
DRAWN BY: Travis Martinez

SHEET 2 OF 4

### SECTION A



### SECTION B



HORIZ. SCALE: 1" = 100'    VERT. SCALE: 1" = 20'

**MAP to ACCOMPANY  
APPLICATION for PERMIT to DRILL  
AMOCO PRODUCTION COMPANY  
CHAMPLIN 372 AMOCO "C" WELL #1  
860' FNL 536' FWL  
SECTION 23, T4N, R7E, SLB&M  
SUMMIT COUNTY, UTAH**

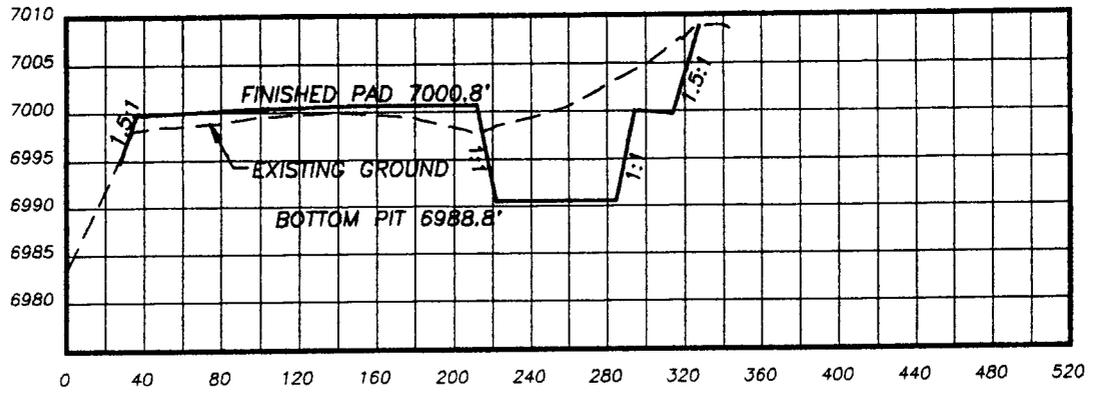
UINTA ENGINEERING & SURVEYING, INC.  
808 MAIN STREET  
EVANSTON, WYOMING 82930  
(307) 789-3602

DATE: 0112/98    JOB #: 97-10-73  
DISK #: WELLOS    FILE: 97-10-73

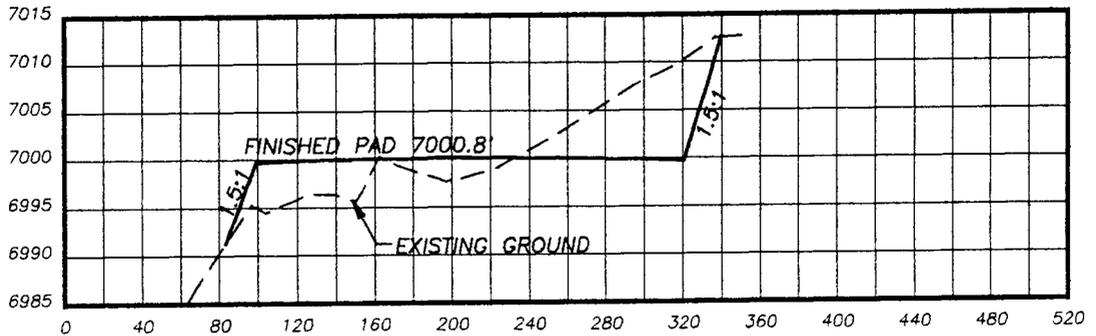
DRAWN BY: Travis Martinez

SHEET 3 OF 4

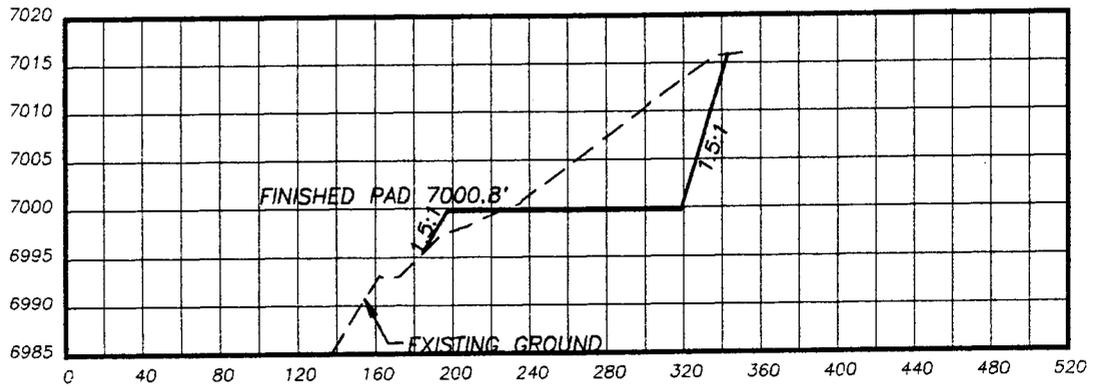
### SECTION C



### SECTION D



### SECTION E



HORIZ. SCALE: 1" = 100' VERT. SCALE: 1" = 20'

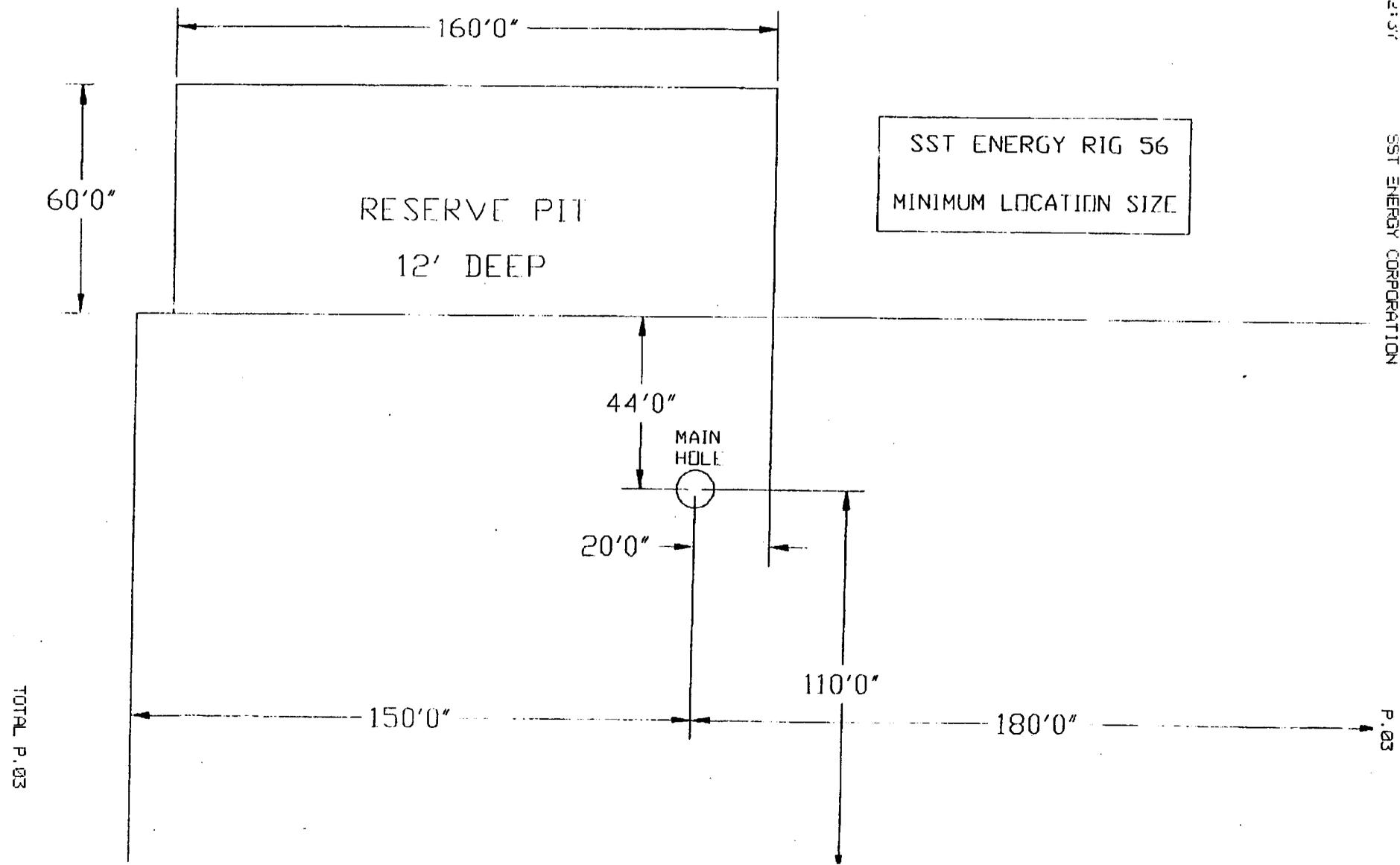
**MAP to ACCOMPANY  
APPLICATION for PERMIT to DRILL  
AMOCO PRODUCTION COMPANY  
CHAMPLIN 372 AMOCO "C" WELL #1  
860' FNL 536' FWL  
SECTION 23, T4N, R7E, SLB&M  
SUMMIT COUNTY, UTAH**

UINTA ENGINEERING & SURVEYING, INC.  
808 MAIN STREET  
EVANSTON, WYOMING 82930  
(307) 789-3602

DATE: 0112/98 JOB #: 97-10-73  
DISK #: WEL05 FILE: 97-10-73

DRAWN BY: Travis Martinez

SHEET 4 OF 4



SST ENERGY RIG 56  
MINIMUM LOCATION SIZE

RESERVE PIT  
12' DEEP

MAIN  
HOLE

60'0"

160'0"

44'0"

20'0"

110'0"

150'0"

180'0"

TOTAL P. 03

P. 03

# A M O C O ANSCHUTZ RANCH EAST WELL LOCATIONS CHEMICAL INJECTION

FROM I-80  
WEST GATE

FROM EVANSTON

BLACK  
A-1  
A

BOUNTIFULL  
A  
B-1

ISLAND RANCH  
A  
D-1

V16-06

E26-08  
A  
E26-09  
GA

#4

372 C-1

WA-876 &  
WA-8562 Mix  
372 D-1

GRAVEL  
PIT

#4  
V20-02  
V20-04  
V20-06  
V20-08  
V20-10  
V20-12  
V20-14

PLANT

INJECTION  
FACILITY

B-1  
ISLAND RANCH

WA-876 &  
WA-8562 Mix  
and MB52W

FRONTIER  
PUMP STA

ISLAND RANCH  
B-2

(Water  
Injection)  
ISLAND RANCH  
C-1

187-A1  
A

V30-12  
V30-14  
V30-13

V29-04  
V29-02  
V29-06  
V29-14

ANSCHUTZ  
PUMP  
STATION

372 B-1

34-2  
(Water  
Injection)

A  
34-1

WEST  
ANSCHUTZ  
PUMPING  
FACILITY

V36-10

V36-08  
V36-16

V31-04  
V31-06  
V31-12  
V31-05

V32-04

**LEGEND:**

**CHEMICAL INJECTION LOCATIONS**

- CHEMICAL WA 520 — — — ▲
- CHEM. WA 520 & 5%  
WA 520/DIESEL — — — ■
- CHEMICAL WA-305 & 520- ★
- CHEMICAL AS NOTED — — — ●

**PRODUCTION WELLS** — ● (N/O Chemical Inj)

**INJECTION WELLS** — ● (N/O Chemical Inj)

**WATER INJECTION** — ● (N/O Chemical Inj)

**ABANDONED WELL** — ▲

**ROADS** — — — — —

**ROAD NOS** — — — — —

FROM  
HOLLARD

FROM COALVILLE

A  
387 B-1

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial  
Number: **FEE**

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

**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

8. Well Name and Number:  
**Ch 372 Amoco "C" 1**

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

9. API Well Number  
**43-043-30143**

3. Address and Telephone Number:  
**P. O. Box 800, Denver CO 80201, Suite 812B 303-830-4781**

10. Field and Pool, or Wildcat:  
**Anschutz Ranch**

4. Location of Well  
Footages: **860' FNL x 536' FWL** County: **Summit**  
QQ, Sec., T.,R.,M.: **NW/4 Sec. 23-T4N-R7E** 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 **Change Name**
- 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
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

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

Date of work completion \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

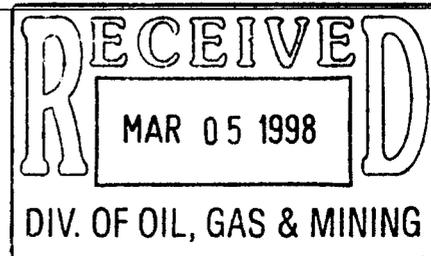
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company plans to change the well name of Champlin 372 Amoco "C" #1 to Champlin 372 Amoco "C" 1 Sidetrack #1. Please change your records accordingly.

If you require additional information, please contact Gigi Martinez at (303) 830-4781.

13. Signature: *G. G. Martinez* Title: **Regulatory Agent** Date: 3/4/98

(This space for State use only)



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/05/98

API NO. ASSIGNED: 43-043-30143

WELL NAME: CH 372 "C" 1 ST #1  
 OPERATOR: AMOCO PRODUCTION (N0050)

PROPOSED LOCATION:  
 NWNW 23 - T04N - R07E  
 SURFACE: 0860-FNL-0536-FWL  
 BOTTOM: 2642-FNL-2766-FWL  
 SUMMIT COUNTY  
 ANSCHUTZ RANCH FIELD (500)

INSPECT LOCATION BY: 03/20/98		
TECH REVIEW	Initials	Date
Engineering	SRB	3/23/98
Geology		
Surface		

LEASE TYPE: FEE  
 LEASE NUMBER: ANSCHUTZ RANCH

PROPOSED PRODUCING FORMATION: NGSD

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal  State  Fee   
 (Number ALREADY BONDED)

Potash (Y/N)

Oil shale (Y/N)

Water permit  
 (Number ARE # 21-4)

RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

R649-2-3. Unit: \_\_\_\_\_

R649-3-2. General.

R649-3-3. Exception.

Drilling Unit.  
 Board Cause no: 183-1  
 Date: 26-JULY 79

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

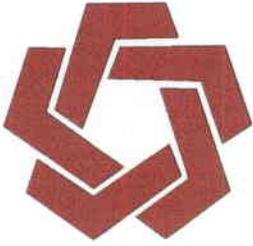
STIPULATIONS: ① STATEMENT OF BASIS

② ENGINEERING STIPULATION

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



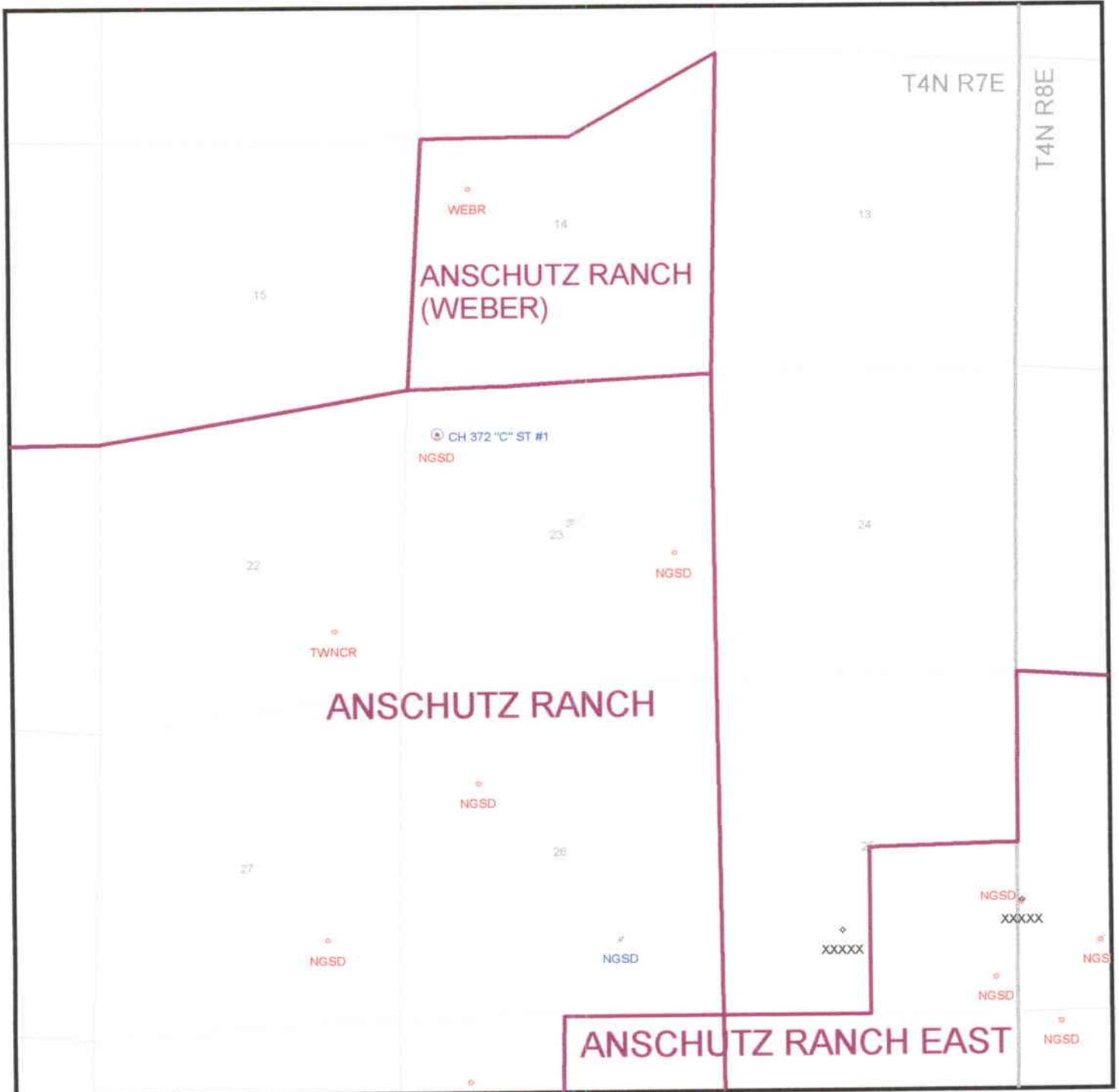
DIVISION OF OIL, GAS & MINING

OPERATOR: AMOCO PRODUCTION (N0050)

FIELD: ANSCHUTZ RANCH (500)

SEC. 23, TWP. 4N, RNG. 7E,

COUNTY: SUMMIT UAC: ORDER 183-1 26-JULY-79



DATE PREPARED:  
9-MAR-1998

DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS

Operator Name: Amoco Production Company

Name & Number: Ch 372 "C" 1 St #1 Reentry

API Number: 43-043-30143

Location: 1/4, 1/4 NW NW Sec. 23 T. 4 N R. 7 E

Geology/Ground Water:

The surface casing existing in this well will be sufficient to provide protection to the near surface waters found in this area. It is an area of recharge to local aquifers and is a watershed area for the Weber River Drainage, by way of Reese Creek through Echo Canyon. Reese Creek has active water flow all year round and is within 1/2 mile of this location. No modification to the existing surface casing is planned for this well and no known ground water has ever been encountered while drilling.

Reviewer: K. Michael Hebertson

Date: 20-March-1998

Surface:

A proposed flare pit adjacent to the existing tank battery was changed to a flare stack by the operator, and a proposed road reconstruction was avoided. The road is little used during any portion of the year and will not be needed during the drilling operations. Pipelines under the location will not be disturbed existing surface facilities are not going to be a problem with this operation. Berms at the toe of the cut and fill slopes and along the top of the location to reduce the chances of runoff entering Reese Creek were discussed. Old pit cuttings and fluid may be encountered while digging the new pit. This material will be encapsulated on the location in the old flare pit. A possible soil analysis of this may be necessary as it may contain salt saturated cuttings. Verbal approval was given to start the dirt work.

Reviewer: K. Michael Hebertson

Date: 20-March-1998

Conditions of Approval/Application for Permit to Drill:

1. Berm at the toe of the cut slope.
2. Berm at the toe of the fill slope.
3. Berm around the top outside edge of the location pad.
4. A 12 Mils pit liner.
5. Old pit material will be stored on location pending future testing and disposal.

**State of Utah**  
**On-Site Evaluation**  
**Division of Oil, Gas and Mining**

**OPERATOR:** Amoco Production Company  
**WELL NAME & NUMBER:** CH 372 "C" 1 ST #1 Reentry  
**API NUMBER:** 43-043-30143  
**LEASE:** Fee **FIELD/UNIT:** Anschutz Ranch  
**LOCATION:** 1/4,1/4 NW NW Sec: 23 TWP: 4N RNG: 7E 860 FNL 536 FWL  
**LEGAL WELL SITING:** F SEC. LINE; F 1/4,1/4 LINE; F ANOTHER WELL.  
**GPS COORD (UTM):** Existing location  
**SURFACE OWNER:** Castle Rock Land & Livestock

**PARTICIPANTS:**

Mike Hebertson State of Utah, Clark Lawler AMOCO, Gordon Lindley  
Lindley Construction, John Rich Lindley Construction

**REGIONAL/LOCAL SETTING & TOPOGRAPHY:**

Overthrust Belt dominated by moderately steep hills and moderately  
incised secondary drainages along Reese Creek.

**SURFACE USE PLAN:**

CURRENT SURFACE USE: This is an established well pad, located within  
the confines of an active cattle ranch.

PROPOSED SURFACE DISTURBANCE: This area is already a well pad, however  
the pad will be expanded to accommodate the rig, and another 1.3 acres  
will be involved in the new portion.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: One well in Section  
14 (Weber completion), one well NESE in this same section, and a well  
well in section 22 (Twin Creek completion)

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Pipelines and other  
facilities are already in place.

SOURCE OF CONSTRUCTION MATERIAL: Spoil from the expansion of the  
existing pad. A gravel cap will be placed on the pad with material  
purchased from the Anschutz Ranch Field gravel pit.

ANCILLARY FACILITIES: None will be needed that do not already exist.

**WASTE MANAGEMENT PLAN:**

All trash garbage and refuse will be placed in wire mesh containers  
and transported to an approved land fill. All human waste will be  
contained in portable septic tank or chemical toilet type facilities.  
Drill cuttings will be contained in the reserve pit.

**ENVIRONMENTAL PARAMETER**

AFFECTED FLOOD PLAINS AND/OR WETLANDS: None, However the location is about 1/2 mile from Reese Creek which flows water all year round.

FLORA/FAUNA: Deer, Elk, Moose, Cougar, Eagles, Hawks, Other indigenous bird species, Aspen, Pine, varieties of grasses, Sage Brush, Rabbit Brush other intermountain flora and fauna.

SOIL TYPE AND CHARACTERISTICS: Mostly clay with very little sand, lots of small rocks to larger pit run type gravel and head sized rocks.

SURFACE FORMATION & CHARACTERISTICS: Wasatch Formation Clay with numerous rocks light gray to medium brown in color. Minor sand and Topsoil. Moderate to Poor Permeability.

EROSION/SEDIMENTATION/STABILITY: Location is stable and shows no erosion, cut and fill slopes show good stability with little or no erosion. Some sedimentation will occur at the toe of the cut and fill slopes.

PALEONTOLOGICAL POTENTIAL: None

**RESERVE PIT:**

CHARACTERISTICS: 160 X 60 X 12 Feet deep located on the North side of the location is cut material. The pit will be lined.

LINER REQUIREMENTS (Site Ranking Form attached): See attached

**SURFACE RESTORATION/RECLAMATION PLAN:**

The restoration for this site will be as agreed to in the executed Agreement which was viewed at the pre-site.

SURFACE AGREEMENT: Has been executed and will cover the restoration.

CULTURAL RESOURCES/ARCHAEOLOGY: None

**OTHER OBSERVATIONS/COMMENTS:**

A copy of the surface use agreement was provided at the onsite and is is recorded with the appropriate government agencies.

**ATTACHMENTS:**

Photos were taken of this site and will be placed on file.

K. Michael Hebertson  
DOGM REPRESENTATIVE

20-March-1998 11:00 AM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
<b>Distance to Groundwater (feet)</b>		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
<b>Distance to Surf. Water (feet)</b>		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>10</u>
<b>Distance to Nearest Municipal Well (feet)</b>		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
<b>Distance to Other Wells (feet)</b>		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
<b>Native Soil Type</b>		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>5</u>
<b>Fluid Type</b>		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
<b>Drill Cuttings</b>		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
<b>Annual Precipitation (inches)</b>		
<10	0	
10 to 20	5	
>20	10	<u>10</u>
<b>Affected Populations</b>		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
<b>Presence of Nearby Utility Conduits</b>		
Not Present	0	
Unknown	10	
Present	15	<u>10</u>
<b>Final Score (Level II Sensitivity)</b>		<u>40</u>

## CASING AND CEMENTING EVALUATION FOR APD APPROVAL

Well Name(s): Ch 372 "C" 1 St #1  
Operator Name: Amoco Production Co.

Proposed TD (feet):	6,560 TVD	8,500 MD
Production casing setting depth:	6,556 TVD	7,500 MD
Mud Type at TD:	Fresh water/organic polymer	
Mud Weight at TD (ppg):	8.7	
Anticipated BHP (psi):	2400	

Calculated BHP at TD (psi):	2968
Calculated BHP at production casing depth (psi):	2966
Calculated Surface Pressure (psi):	1525

### Production String Casing Design

Diameter (inches):	4.50	Note: This appears to be tubing with premium thread connection.
Weight (lb/ft):	12.60	
Grade:	N-80	
Thread Type:	VAM	

Collapse Strength (psi):	7500	Note: These strengths are for new pipe. Operator plans on using used material.
Internal Yield Strength (psi):	8430	
Joint Strength (lb):	208,700	

Calculated Collapse SF:	2.53	Collapse safety factor should exceed 1.125
Calculated Burst SF:	2.84	Burst safety factor should exceed 1.10
Calculated Tension SF:	2.21	Tension safety factor should exceed 1.80

*Insert and copy block as necessary for intermediate or surface casing strings*

### Production String Cementing Program

Casing Diameter (inches):	4.50
Hole Diameter (inches):	6.125

#### Single Stage

Cement Type:	Class G
Cement Volume (sx):	95
Cement Yield (cu.ft./sk):	1.36
Annular Volume (cu.ft./lin.ft.):	0.0942
Excess Percentage:	0.20
Anticipated Coverage Height (ft):	1850

Calculated Coverage Height (ft):	1143	Calculated value should exceed anticipated amount.
----------------------------------	------	----------------------------------------------------

#### Second Stage

Cement Type:	NA
Cement Volume (sx):	
Cement Yield (cu.ft./sk):	
Annular Volume (cu.ft./lin.ft.):	
Excess Percentage:	
Anticipated Coverage Height (ft):	

Calculated Coverage Height (ft):	ERR	Calculated value should exceed anticipated amount.
----------------------------------	-----	----------------------------------------------------

**Surface String Cementing Program**

Casing Diameter (inches): NA  
Hole Diameter (inches):

**First Stage**

Cement Type:  
Cement Volume (sx):  
Cement Yield (cu.ft./sk):  
Annular Volume (cu.ft./lin.ft.):  
Excess Percentage:  
Anticipated Coverage Height (ft):

Calculated Coverage Height (ft): ERR Calculated value should exceed anticipated amount.

**Second Stage**

NA

Cement Type:  
Cement Volume (sx):  
Cement Yield (cu.ft./sk):  
Annular Volume (cu.ft./lin.ft.):  
Excess Percentage:  
Anticipated Coverage Height (ft):

Calculated Coverage Height (ft): ERR Calculated value should exceed anticipated amount.

***Insert and copy blocks as necessary for additional casing strings or stages***



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 26, 1998

Amoco Production Company  
P.O. Box 800, Suite 812B  
Denver, Colorado 80201

Re: Ch 372 "C" 1 ST #1 Well, 860' FNL, 536' FWL, NW NW, Sec. 23,  
T. 4 N., R. 7 E., Summit County, Utah

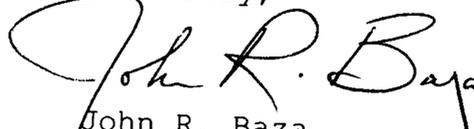
Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

Administrative approval of Amoco's request for an exception location is hereby granted on the condition that if the well is productive from the horizontal wellbore, Amoco agrees to come before the Board of Oil, Gas and Mining seeking appropriate spacing.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-043-30143.

Sincerely,

  
John R. Baza  
Associate Director

lwp

Enclosures

cc: Summit County Assessor  
Bureau of Land Management, State Office

Operator: Amoco Production Company  
Well Name & Number: Ch 372 "C" 1 ST #1  
API Number: 43-043-30143  
Lease: Fee  
Location: NW NW Sec. 23 T. 4 N. R. 7 E.

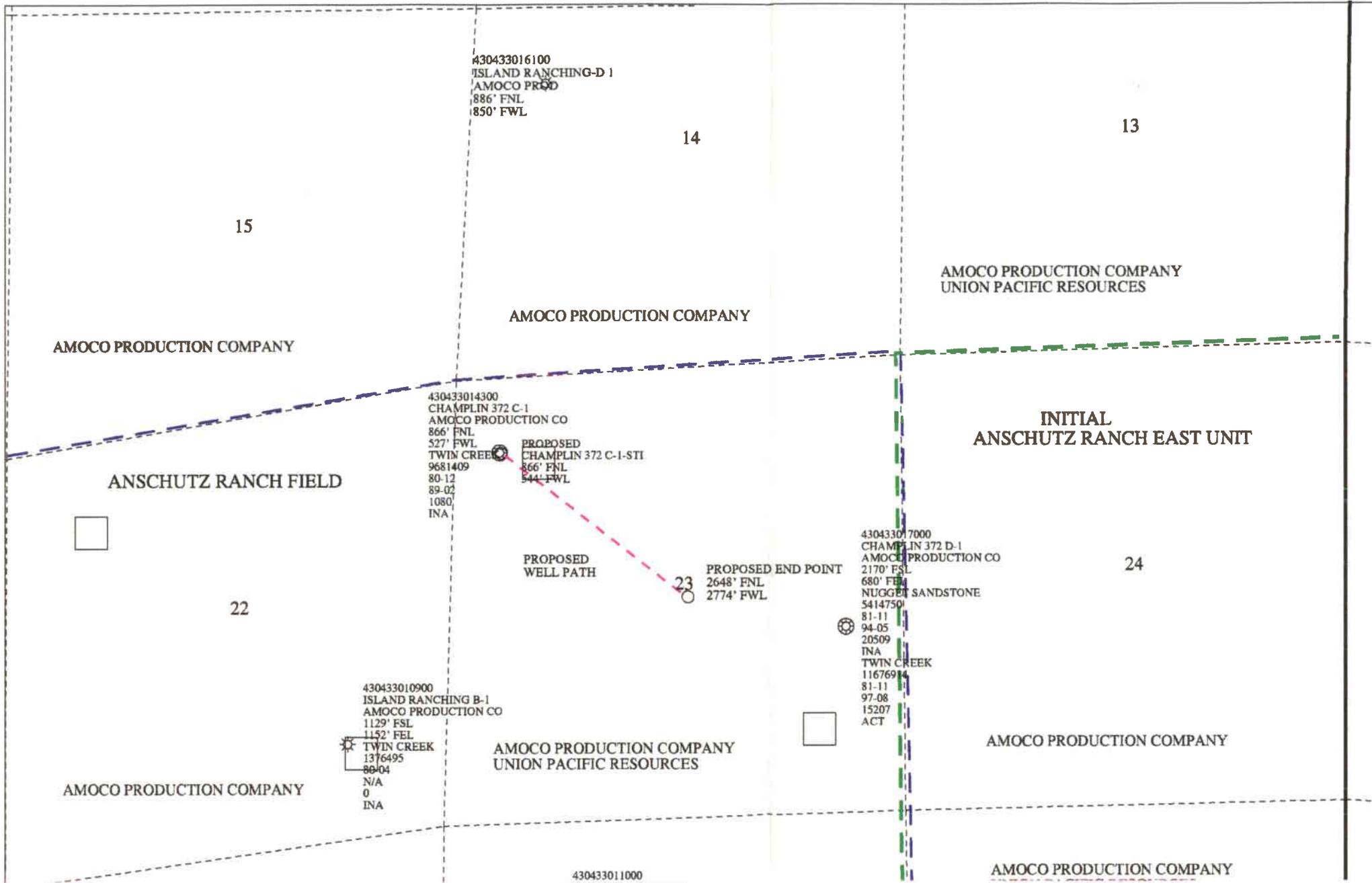
**Conditions of Approval**

1. General  
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.
  
2. Notification Requirements  
Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.  
  
Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or John R. Baza at (801)538-5334.
  
3. Reporting Requirements  
All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.
  
4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated March 20, 1998 (copy attached).
  
5. Cement volume for the 4½" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 5650' MD as indicated in the submitted drilling plan.

**RECEIVED**  
 MAR 26 1998  
 DIV. OF OIL, GAS & MINING

R7E

R8E



430433016100  
 ISLAND RANCHING-D 1  
 AMOCO PROD  
 886' FNL  
 850' FWL

14

13

15

AMOCO PRODUCTION COMPANY  
 UNION PACIFIC RESOURCES

AMOCO PRODUCTION COMPANY

AMOCO PRODUCTION COMPANY

ANSCHUTZ RANCH FIELD

430433014300  
 CHAMPLIN 372 C-1  
 AMOCO PRODUCTION CO  
 866' FNL  
 527' FWL  
 TWIN CREEK  
 9681409  
 80-12  
 89-02  
 1080  
 INA

PROPOSED  
 CHAMPLIN 372 C-1-STI  
 866' FNL  
 544' FWL

PROPOSED  
 WELL PATH

23

PROPOSED END POINT  
 2648' FNL  
 2774' FWL

INITIAL  
 ANSCHUTZ RANCH EAST UNIT

24

22

43043307000  
 CHAMPLIN 372 D-1  
 AMOCO PRODUCTION CO  
 2170' FSL  
 680' FB  
 NUGGET SANDSTONE  
 5414750  
 81-11  
 94-05  
 20509  
 INA  
 TWIN CREEK  
 11676914  
 81-11  
 97-08  
 15207  
 ACT

T4N

T4N

AMOCO PRODUCTION COMPANY

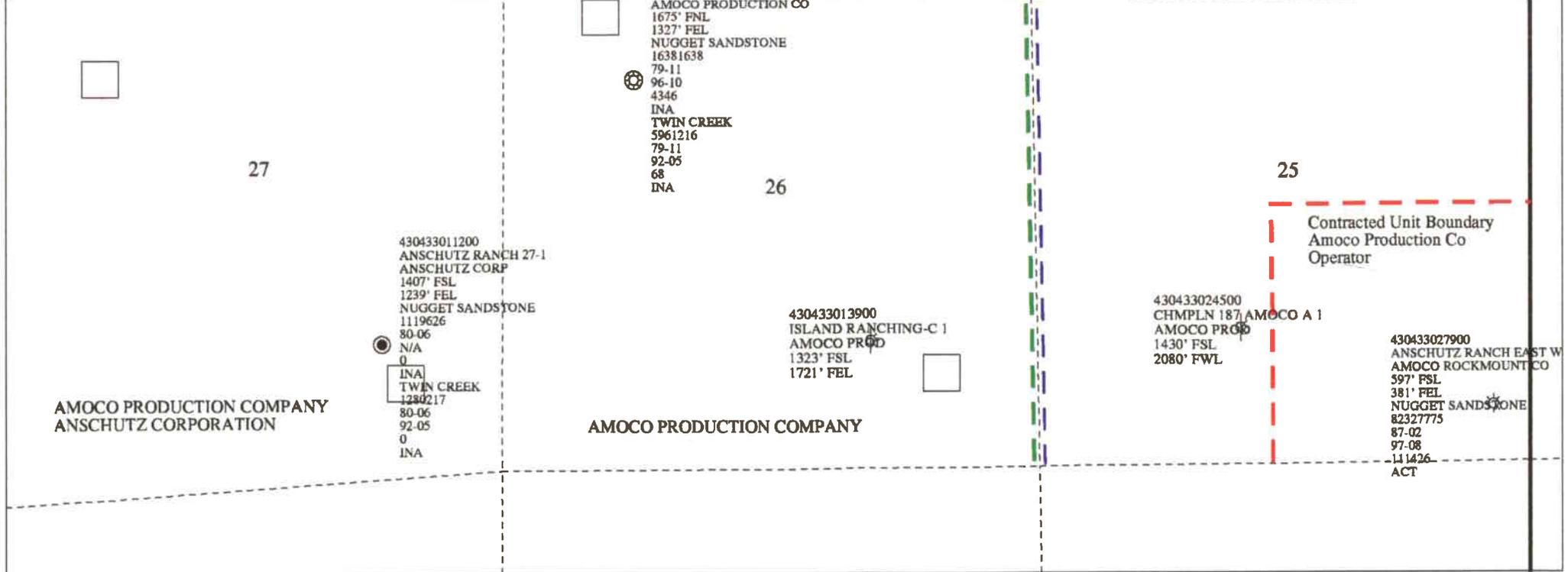
430433010900  
 ISLAND RANCHING B-1  
 AMOCO PRODUCTION CO  
 1129' FSL  
 1152' FEL  
 TWIN CREEK  
 1376495  
 80-04  
 N/A  
 0  
 INA

AMOCO PRODUCTION COMPANY  
 UNION PACIFIC RESOURCES

AMOCO PRODUCTION COMPANY

430433011000

AMOCO PRODUCTION COMPANY



AMOCO PRODUCTION COMPANY  
ANSCHUTZ CORPORATION

430433011200  
ANSCHUTZ RANCH 27-1  
ANSCHUTZ CORP  
1407' FSL  
1239' FEL  
NUGGET SANDSTONE  
1119626  
80-06  
N/A  
0  
INA  
TWIN CREEK  
1230217  
80-06  
92-05  
0  
INA

AMOCO PRODUCTION COMPANY

AMOCO PRODUCTION CO  
1675' FNL  
1327' FEL  
NUGGET SANDSTONE  
16381638  
79-11  
96-10  
4346  
INA  
TWIN CREEK  
5961216  
79-11  
92-05  
68  
INA

430433013900  
ISLAND RANCHING-C 1  
AMOCO PROD  
1323' FSL  
1721' FEL

25

Contracted Unit Boundary  
Amoco Production Co  
Operator

430433024500  
CHMPLN 187 AMOCO A 1  
AMOCO PROD  
1430' FSL  
2080' FWL

430433027900  
ANSCHUTZ RANCH EAST W  
AMOCO ROCKMOUNT CO  
597' FSL  
381' FEL  
NUGGET SANDSTONE  
82327775  
87-02  
97-08  
111426  
ACT

R7E

R8E

- - Contracted Unit Boundary
- - Initial Anschutz Ranch East Unit
- - Anschutz Ranch Field
- Permitted Well Locations

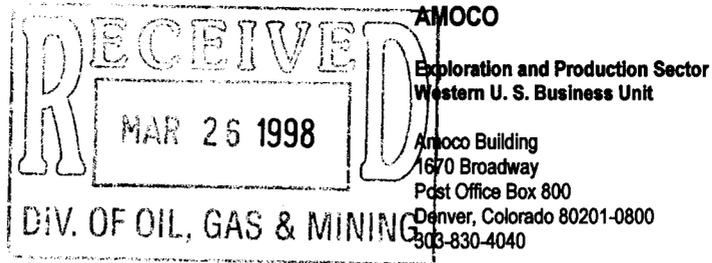
API Number  
Lease Name  
Operator  
Legal Location  
Formation  
Gas Cum  
First Production Date (YY-MM)  
Last Production Date (YY-MM)  
Last Month Gas  
Status

**Amoco Production Company**

Application

Horizontal Drilling  
Champlin 372 C1  
Sec 23- T4N- R7E  
Summit County, Utah

Sections 13, 14, 15, 24 and non-unit lands in  
Section 25 governed by General Rules



March 26, 1998

Mr. Lowell Braxton, Deputy Director/Acting Director  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801

File: CAW-116-986.511

**Application for an Exception to the Well Location  
Requirements of the Anschutz Ranch Field Spacing Order  
Champlin 372 Amoco C 1-ST No. 1  
Section 23-T4N-R7E  
Anschutz Ranch Field  
Summit County, Utah**

Amoco Production Company hereby makes application for administrative approval of an exception to the well location requirements of the Anschutz Ranch Field spacing order. Enclosed are written consents from all owners of direct and diagonally offsetting drilling units. We respectfully request, in the absence of any objection by the Division, that this application be granted immediately and that the pending Application for Permit to Drill also be approved.

The exception is required for the drilling of the Champlin 372 Amoco C 1-ST No. 1, a proposed horizontal well to be drilled from a surface location in the NW/4 of Section 23-T4N-R7E to a BHL in the SE/4 of Section 23-T4N-R7E.

Section 23-T4N-R7E is currently spaced on standup 320 acres for both the Nugget and Twin Creek Formations. Permitted well locations are 990 feet from the boundaries of the Northwest and Southeast quarters. Lands immediately to the North and East of Section 23-T4N-R7E are not spaced and are governed by the General Rules. Ownership throughout Section 23 is common.

Amoco proposes to drill the Champlin 372 Amoco C 1-ST No. 1, as a Nugget test, from a surface location 544 feet FWL and 866 feet FNL of Section 23-T4N-R7E, vertically to a

depth of approximately 4200 feet and then turn the well to the southeast towards a location approximately 1770 feet FWL and 1890 feet FNL of Section 23-T4N-R7E at a depth of approximately 6500 feet TVD. From this point the well will be drilled horizontally to an end point of approximately 2775 feet FWL and 2650 feet FNL. At no point in the projected pay would the well be closer than 990 feet from the exterior boundary of the section.

Dependent upon the results of this well, Amoco may file a subsequent application to modify the current Nugget spacing to accommodate this horizontal well. In as much as the required written consents from offset owners have been furnished and given the fact that ownership throughout Section 23 is common respectfully request that this application be granted.

Attached and made part of this application is the required plat showing the legal location, the proposed surface and bottomhole location, the location of all current wells and the ownership within each section.

If you have any question or require additional information please contact myself at (303) 830-4327. Your prompt consideration of this request is appreciated.

Very truly yours,



C. A. Wood  
Enclosures

cc:

Union Pacific Resources  
P. O. Box 7  
Fort Worth, TX 76101-0007  
Attn: Charles Farmer

Anschutz Corporation  
555 17th Street, Suite 2400  
Denver, CO 80202  
Attn: William Miller

B. S. McKim  
R. B. Wilson  
D. Miller

**CONSENT**  
**CHAMPLIN 372 AMOCO C 1-ST NO. 1**

The undersigned, as an offset owner to the proposed Champlin 372 Amoco C 1-ST No.1, hereby grants consent to the drilling of the Champlin 372 Amoco C 1-ST No. 1 as an exception to the well location requirements of the Anschutz Ranch Field spacing order. It is our understanding that this well will be drilled as a horizontal well from a surface location 544 feet FWL and 866 feet FNL of Section 23-T4N-R7E to an approximate bottomhole location of 2775 feet FWL and 2650 feet FNL of Section 23-T4N-R7E, Summit County, Utah. Furthermore, it is also our understanding that no point within the projected pay zone will be closer than 990 feet from the exterior boundaries of Section 23-T4N-R7E.

Signed by: J.B. Dunleavy  
SR. STAFF ENGINEER  
Representing: UNION PACIFIC RESOURCES COMPANY  
Date: MARCH 19, 1998

**CONSENT**  
**CHAMPLIN 372 AMOCO C 1-ST NO. 1**

The undersigned, as an offset owner to the proposed Champlin 372 Amoco C 1-ST No.1, hereby grants consent to the drilling of the Champlin 372 Amoco C 1-ST No. 1 as an exception to the well location requirements of the Anschutz Ranch Field spacing order. It is our understanding that this well will be drilled as a horizontal well from a surface location 544 feet FWL and 866 feet FNL of Section 23-T4N-R7E to an approximate bottomhole location of 2775 feet FWL and 2650 feet FNL of Section 23-T4N-R7E, Summit County, Utah. Furthermore, it is also our understanding that no point within the projected pay zone will be closer than 990 feet from the exterior boundaries of Section 23-T4N-R7E.

Signed by: William Miller - Vice President

Representing: THE ANSCHUTZ CORPORATION

Date: MARCH 18, 1998

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: AMOCO PRODUCTION

Well Name: CH 372 "C" 1 ST 1 (RE-ENTRY)

Api No. 43-043-30143

Section 23 Township 4N Range 7E County SUMMIT

Drilling Contractor SST

Rig # 56

SPUDDED:

Date 4/10/98

Time \_\_\_\_\_

How ROTARY

Drilling will commence \_\_\_\_\_

Reported by GIGI

Telephone # 1-303-830-4781

Date: 4/27/98 Signed: JLT

1

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

5. Lease Designation and Serial Number: **FEE**

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

**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

8. Well Name and Number:  
**Ch 372 Amoco "C" 1**

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

9. API Well Number  
**43-043-30143**

3. Address and Telephone Number:  
**P. O. Box 800, Denver CO 80201, Suite 812B                      303-830-4781**

10. Field and Pool, or Wildcat:  
**Anschutz Ranch**

4. Location of Well  
Footages: **860' FNL x 536' FWL** County: **Summit**  
QQ, Sec., T.,R.,M.: **NW/4 Sec. 23-T4N-R7E** State: **Utah**

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

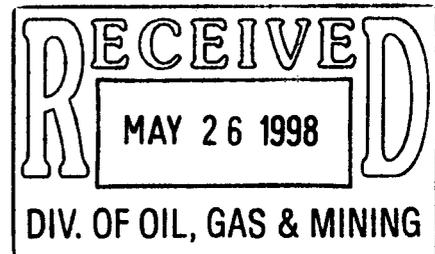
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment* <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input checked="" type="checkbox"/> Other <b>Progress Report</b>
Approximate date work will start _____	Date of work completion _____ <small>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.</small>

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.)

See Attached Progress Report.

If you require additional information, please contact Gigi Martinez at (303) 830-4781.

13. Signature: *G. S. Martinez* Title: **Regulatory Agent** Date: 5/19/98  
(This space for State use only)



### Operations Summary Report

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: PLUG BACK  
 Contractor Name:  
 Rig Name:

Spud Date:  
 Start: 02/06/98  
 Rig Release:  
 Rig Number:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
02/06/98	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Service equipment.
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting
	07:30 - 09:00	1.50	MOVEIN	P	WK_REP	Move in service unit & support equipment.
	09:00 - 18:00	9.00	RI	P	WK_REP	Rig up service rig & support equipment. Move in tank & fill w/2% KCL water.
02/07/98	18:00 - 19:00	1.00	SHUTIN	P	WK_REP	Secure well. Crew travel
	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Start & service equipment.
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting.
	07:30 - 08:30	1.00	RI	P	WK_REP	Finish rigging up support equipment. Rig up pumplines & test pumplines to 3500 psi "good".
	08:30 - 10:30	2.00	WELLKI	P	WK_REP	Kill well. Pump 69 Bbls of 2% dwn casing, Pump 61 Bbls of 2% dwn 2 7/8" into casing, Pump 60 Bbls of 2% dwn 2 3/8" tbg. No pressure build on casing. Possible hole in 2 7/8" tbg. Stump test BOPE while killing well
	10:30 - 11:00	0.50	NDWLHDP		WK_REP	Install BPV in both sides of hanger. Nipple dwn tree. Inspect lift threads. Threads ok
	11:00 - 11:30	0.50	NUBOP	P	WK_REP	Nipple up BOPE. Pull BPV out of short string
	11:30 - 13:00	1.50	RIGMOD	P	WK_REP	Rig up working floor & handling equipment for tubing.
	13:00 - 15:30	2.50	EQREP	X	WK_REP	Hanger landing pins corroded & taking cheaters & pipe wrenches to back out.
	15:30 - 16:30	1.00	LAYDN	X	WK_REP	Pull 2 7/8" side of hanger. Btm ring broke & laying on top of other part of hanger in bowl. Open blind ram door & retrieve broken pieces of hanger. Snap latch came free only after pumping down 2 7/8" tbg at 2 BPM. Lay down 2 7/8" hanger half.
	16:30 - 17:00	0.50	TOH	P	WK_REP	Strip tongs & wiping rubber on 2 7/8" tbg. POOH w/7 jts of 2 7/8" 6.5# CS hydril. Lay dwn 8', two 6' & 4' space out pups.
17:00 - 18:00	1.00	SHUTIN	P	WK_REP	Double back drill line. Drain up pumplines & pump.  Shut in & secure well for night.	
02/08/98	18:00 - 19:00	1.00			WK_REP	NOTE: Tree being sent to cameron shop. After completion is same tree to be used or is tree being changed to single string tree or staying w/dual string tree. Crew travel.
	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Start & service equipment.
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting.
	07:30 - 08:30	1.00	WELLKI	P	WK_REP	Slight blow on 2 7/8" tbg - Slight blow on casing - Rig up pump & pumplines - Pump 80 Bbls of filtered 2% KCL water dwn tbg & kill well.
	08:30 - 09:45	1.25	TOH	P	WK_REP	POOH w/186 jts of 2 7/8" 6.5# CS hydril tbg standing back in derrick. Total of 193 jts of 2 7/8" 6.5# CS Hydril tbg.
	09:45 - 10:00	0.25	LAYDN	P	WK_REP	Lay down snap latch & 8' Tbg pup above snap latch.
	10:00 - 10:45	0.75	RIGMOD	P	WK_REP	Single back drill line - Change out tbg handling equipment from 2 7/8" to 2 3/8" - Change pipe rams to 2 3/8" center bores.
	10:45 - 11:00	0.25	SPECEQP	P	WK_REP	Pull back pressure valve & install lifting pup into hanger on 2 3/8" side
	11:00 - 12:00	1.00	SPECEQP	P	WK_REP	Pull on 2 3/8" tbg to release A-5 packer - Pull up to 80,000#'s with no movement - Pulling 45,000#'s over calculated dry string weight - Hook up kelly hose to tbg & pump 4 BPM while working tbg - Unable to work packer free - Set hanger back into bowl.
	12:00 - 13:15	1.25	NDBOP	X	WK_REP	Nipple down annular BOP to obtain enough space to pull hanger & hanger sleeve out of hole - Pull hanger & sleeve out of hole & lay down.
13:15 - 14:30	1.25	WKPIPE	X	WK_REP	Install tbg pup on long string - Work tbg to attempt to release A-5 packer - Pulling up to 80,000#'s & slacking all of pipe weight down on packer - Unable to release packer - Pull tbg weight up to 80,000#'s & set slips & shut pipe rams.	

Operations Summary Report

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: PLUG BACK  
 Contractor Name:  
 Rig Name:

Spud Date:  
 Start: 02/06/98  
 Rig Release:  
 Rig Number:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
02/08/98	14:30 - 15:30	1.00	SHUTIN	P	WK_REP	Shut in & secure well for night - Drain up pump & pumphines. Crew travel. Prep to rig up wireline in AM
	15:30 - 16:30	1.00			WK_REP	
NOTE: Wellhead tbg spool needs to be changed out or taken in due to being in bad condition & will need to be machined if completed w/single tbg hanger after drilling is done. Bowl size now is 6 5/16" bore going by stamp on tbg head. Present head will also need new tie down pins & packing glands.						
02/09/98	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Start & service equipment
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting
	07:30 - 08:30	1.00	MVIN	P	WK_REP	Move in & rig up OWP wireline
	08:30 - 13:15	4.75	ELECLI	P	WK_REP	RIH w/ rattle shot & spot rattle shot in A-5 packer w/35,000#'s pulled over on long string - Shoot rattle shot w/no movement indicated after shot - ROH w/wireline - RIH w/tubing punch gun & perforate below packer 5.44' at 6103.57' (top shot) - Shot 4 holes at 4 spf - ROH w/gun (all shots fired) - RIH chemical cutter & cut tbg off at 6071' leaving 21.81' of tbg above packer - ROH w/wireline.
	13:15 - 14:00	0.75	MVOUT	P	WK_REP	Rig down wireline & move off location.
	14:00 - 16:45	2.75	TOH	P	WK_REP	POOH w/5 tbg pups, 206 jts of 2 3/8" 4.7# CS hydril tbg & 5.5' cut off stub laying down & tallying. 6056.29' total pipe layed down.
	16:45 - 17:30	0.75	NUBOP	P	WK_REP	Nipple up annular BOP & prep tbg handling equipment to run 2 7/8" tbg.
	17:30 - 18:30	1.00	SHUTIN	P	WK_REP	Shut in & secure well for night. Move tbg off racks in preparation to haul off location.
	18:30 - 19:30	1.00			WK_REP	Crew travel in.
	NOTE: Verbal approval given by John Boza w/Utah state to set cmt retainer above A-5 packer & squeeze off lower perms for plugback in preparation of sidetrack. Approval given at 13:30 hr on Feb 9, 1998 via cellular phone to J. Vern Griffin. John's only concern was the isolation from each other of the Twin Creek & Nugget formations.					
02/10/98	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Start & service equipment
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting
	07:30 - 08:30	1.00	SPECEQ	P	WK_REP	Pick up & make up HES "HCS" cement retainer on tbg. Warm up tongs to set torque accurately.
	08:30 - 13:00	4.50	TIH	P	WK_REP	TIH w/2 7/8" 6.5# N-80 CS Hydril tbg & HES model "HCS" cement retainer - Tag top of cut off stub at 6071' - POOH w/tbg putting btm of retainer at 6054.11' KB & top of retainer at 6051.98' KB
	13:00 - 13:30	0.50	SETPLG	P	WK_REP	Set retainer - Top of retainer at 6051.98' - Shear out of retainer - Sting back into retainer w/stinger to pressure test.
	13:30 - 16:30	3.00	PRSRTS	P	WK_REP	Pressure test retainer via annulus to 1580 psi for 15 min "GOOD" - Pressure test tbg to 2000 psi for 15 min "GOOD" - Attempt to establish injection rate thru retainer - Unable to get injection rate due to pressuring up on tbg - Possible blockage in retainer or stinger - Max pressure attempted to blow thru retainer is 4000 psi - Attempt to surge any debris out of retainer by pressuring up on tbg & stinging out retainer. Circulate conventional & attempt to wash out retainer bore - Unable to clear debris -

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: PLUG BACK  
 Contractor Name:  
 Rig Name:

Start: 02/06/98  
 Rig Release:  
 Rig Number:

Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
02/10/98	13:30 - 16:30	3.00	PRSRTS	P	WK_REP	Seals on stinger wore out & not holding. Prep to POOH.
	16:30 - 18:00	1.50	TOH	P	WK_REP	POOH W/2.875" tbg & stinger - Stinger was not scope out all the way -
	18:00 - 19:00	1.00	SHUTIN	P	WK_REP	Shut in & secure well for night. Drain up pump & pumplines.
	19:00 - 20:00	1.00			WK_REP	Crew travel
02/11/98	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Start & service equipment
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting
	07:30 - 10:00	2.50	TIH	P	WK_REP	TIH w/stinger & 2.875" CS Hydril tbg - Sting into retainer - Tbg went on vacuum.
	10:00 - 10:30	0.50	PRSRTS	P	WK_REP	Establish injection rate down tbg thru retainer into formation - Pumping 5 BPM at 500 psi
02/12/98	10:30 - 11:00	0.50	SHUTIN	P	WK_REP	Shut in & secure well for night - Drain up pump & pumpline.
	11:00 - 12:00	1.00			WK_REP	Crew travel home
	06:00 - 07:00		RIGSER	P	WK_REP	Rig crew travel to location - Start & service rig equipment
	07:00 - 10:00	3.00	MVIN	P	WK_REP	Move in Dowell cementers - Road bad & icy - Wait on grader & sand truck to clean road - Road was cleaned earlier but trucks spun out on hill. Pull trucks up hill w/grader.
02/13/98	10:00 - 11:00	1.00	CMTSQZP		WK_REP	Rig up Dowell cementers & test pump lines to 3500 psi "GOOD"
	11:00 - 14:00	3.00	CMTSQZP		WK_REP	Pump 10 Bbls of fresh water spacer - Pump 80 Bbls of 15.8 ppg class G cement - Pump 10 Bbls of fresh water displacement at .35 bpm - Shut pump dwn for 1/2 hr for hesitation - Pump 15 Bbls of fresh water displacement at .66 bpm - Shut pump dwn for 1/2 hr for hesitation - Pump 15 Bbls of fresh water displacement at .66 bpm & clear retainer by 5 Bbls - Sting out of retainer - Reverse out w/60 Bbls of fresh water - Returned 1 to 2 Bbls of dirty water w/ no cement, 5 bbls pumped on reverse out before catching returns - CALCULATED CEMENT LEVEL IN HOLE AT 6384' AFTER STINGING OUT. Rig dwn pumplines.
	14:00 - 14:30	0.50	TOH	P	WK_REP	POOH w/5 jts of tbg - Drain up rig pump & pumplines.
	14:30 - 15:00	0.50	SHUTIN	P	WK_REP	Shut in & secure well for night.
	15:00 - 16:00	1.00			WK_REP	Crew travel in
	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Start & service equipment.
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting
	07:30 - 07:45	0.25	TIH	P	WK_REP	TIH w/5 jts of 2.875" tbg & sting into retainer - Tubing went on vacuum.
	07:45 - 08:00	0.25	PRSRTS	P	WK_REP	Rig up pumplines from rig pump - Pump thru retainer at 4 BPM w/no to very little pump pressure. Sting out of retainer & wait on cementers.
	08:00 - 10:00	2.00	WAITIN	X	WK_REP	Dowell cement bulk truck stuck on hill due to icy roads - Grader maintainer pull in bulck truck to location.
	10:00 - 10:30	0.50	CMTSQZP		WK_REP	Rig up Dowell pump & pumplines.
	10:30 - 12:45	2.25	CMTSQZP		WK_REP	Pump 5 Bbls fresh water spacer, Pump 30 Bbls of 15.8 ppg cement, Sting into retainer, Pump 29 Bbls of 15.8 ppg cement, Pump 5 Bbl fresh water displacement, Hesitate for 15 min, Pump 5 Bbl fresh water displacement, Hesitate for 15 min, Pump 5 Bbl fresh water displacement, Hesitate for 15 min, Pump 5 bbl fresh water displacement, Hesitate 15 min, Pump 5 Bbl fresh water displacement, Pump 15 Bbl fresh water displacement & clear retainer by 5 Bbls - Sting out of retainer & reverse out - No cement water circulated out on reverse.
	12:45 - 15:00	2.25	WAITIN	X	WK_REP	Waiting on more cement - Dowell called & bulk truck broke dwn in transit to location.
	15:00 - 15:30	0.50	TOH	P	WK_REP	POOH w/5 jts of tbg to lower fluid level to keep from fluid freezing in BOPE & tubing above ground.
02/14/98	15:30 - 16:00	0.50	SHUTIN	P	WK_REP	Shut in secure well for night - Drain up pump & pumplines.
	16:00 - 17:00	1.00			WK_REP	Crew travel home.
	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Start & service equipment
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting

Operations Summary Report

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: PLUG BACK  
 Contractor Name:  
 Rig Name:

Spud Date:  
 Start: 02/06/98  
 End:  
 Rig Release:  
 Group:  
 Rig Number:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations	
02/14/98	07:30 - 08:45	1.25	TIH	P	WK_REP	TIH w/5 jts of tbg & sting into retainer - Rig up pumphines - Test pumphines to 3500 psi "good" - Obtain injection rate thru retainer at 500 psi 2 BPM - Sting out of retainer to spot cement.	
	08:45 - 09:30	0.75	CMTSQZP		WK_REP	Pump 5 Bbl fresh water spacer Pump 12 Bbls of 16# RFC cement Pump 13 Bbls of fresh displacement water Sting into retainer Pump 20 1/2 Bbls of fresh displacement water obtaining 1150 psi squeeze at 1/4 BPM (10 Bbls of cmt thru retainer) Sting out of retainer & reverse out returning 2 Bbls of cmt to pit POOH 60' to wait on cmt.	
	09:30 - 11:00	1.50	WOC	P	WK_REP	Wait on cement to set	
	11:00 - 12:00	1.00	CMTPLGP	P	WK_REP	TIH w/60' to top of retainer (no cmt tag) Reverse out w/40 Bbls of water, recovering no cmt - Mix & pump 3 Bbls of cmt & spot to balance w/32 Bbls of water - Pick up 30' & reverse out recovering 1 Bbl of cmt to pit - 2 Bbls of cmt on retainer - Calculated cmt top at 6022' (30' cmt cap on retainer)	
	12:00 - 13:45	1.75	TOH	P	WK_REP	POOH w/2.875" tbg & stinger - Lay down stinger	
	13:45 - 14:30	0.75	CHANGE P		WK_REP	Make up 6" Bit & Scraper for 7" casing	
	14:30 - 16:00	1.50	TIH	P	WK_REP	TIH w/bit & scraper to 6020'	
	16:00 - 16:45	0.75	CIRC	P	WK_REP	Reverse circulate hole clean w/60 Bbls of water - Returns cleaned up after 40 Bbls - Rusty colored water.	
	16:45 - 17:30	0.75	TOH	P	WK_REP	POOH w/72 jts of tbg - Standing tbg back in derrick	
	17:30 - 18:30	1.00	SHUTIN	P	WK_REP	Shut in & secure well for night - Drain up pump & pumphines.	
	18:30 - 19:30	1.00			WK_REP	Crew travel home	
	02/15/98	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to location - Start & service equipment.
		07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting
		07:30 - 08:30	1.00	TOH	P	WK_REP	POOH w/2.875" tbg & lay dwn Bit & Scraper.
08:30 - 09:30		0.55	MVIN	P	WK_REP	Move in & rig up Schlumberger wireline	
09:30 - 18:00		8.50	ELECLI	P	WK_REP	RIH w/CBL USIT logging tools to 6010' - Log up from 6010' thru 3600' finding cement top at 4919' + - with 1000 psi held on casing, also obtaining casing data ( wt. & condition of csg ) - Logging tools quit working while logging at 3586' - Bond log logged with 1000 psi on casing. ROH w/tools & inspect tools - Pull CCL out of tool string - RIH w/logging tools without CCL to 3800' and attempt to obtain casing inspection log - Tool quits working again - Pull tools up to 1000' & re-start - Log down from 1000' to 4000' w/USIT for casing inspection log - Obtain inspection log. ROH w/logging tools	
18:00 - 18:30		0.50	ELECLI	P	WK_REP	Rig down wireline	
18:30 - 19:00	0.50	SHUTIN	P	WK_REP	Shut in & secure well for night.		
19:00 - 20:00	1.00			WK_REP	Crew travel in.		
02/16/98	06:00 - 08:00	2.00	RIGSER	P	WK_REP	Travel to location - Start & service rig - Partial crew on location - Other crew members late due to bad roads - Pressure test 7" casing to 1700 psi for 30 minutes "good"	
	08:00 - 08:30	0.50	MISC	P	WK_REP	Hold safety meeting	
	08:30 - 09:00	0.50	TRIP	P	WK_REP	Pick up & make up HES model "3-L" retrievable bridge plug - TIH w/RBP & 33 jts of 2.875" tbg & set plug at 1032'.	
	09:00 - 09:15	0.25	TOH	P	WK_REP	POOH w/tbg & setting tool	
	09:15 - 09:30	0.25	NDBOP	P	WK_REP	Nipple down BOPE off wellhead.	
	09:30 - 12:45	3.25	NDWLHDP		WK_REP	Nipple down old tbg spool & nipple up new tbg spool - Pressure test new tbg spool to 2500 psi "good"	
	12:45 - 13:15	0.50	NUBOP	P	WK_REP	Nipple up BOPE on top of new tbg spool.	
	13:15 - 13:45	0.50	TIH	P	WK_REP	TIH & release bridge plug	

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: PLUG BACK  
 Contractor Name:  
 Rig Name:

Start: 02/06/98  
 Rig Release:  
 Rig Number:  
 Spud Date:  
 End:  
 Group:

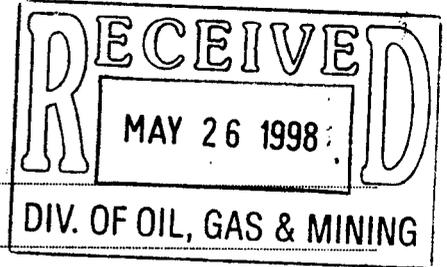
Date	From - To	Hours	Activity	Code	Phase	Description of Operations
02/16/98	13:45 - 14:30	0.75	TOH	P	WK_REP	POOH w/tbg & bridge plug - Lay down bridge plug.
	14:30 - 16:15	1.75	TIH	P	WK_REP	Pick up & make up 2' perforate pup w/bull plug in bottom - TIH w/pup & 2.875" tbg - Tag cement top at 6018.22' KB ( tbg tally measure)
	16:15 - 16:30	0.25	TOH	P	WK_REP	TOH w/4 jts of tbg to lower fluid level - Prep to displace casing fluid w/corrosion inhibited fluid in AM.
	16:30 - 17:30	1.00	SHUTIN	P	WK_REP	Shut in & secure well for night - Drain pump & pump lines.
02/17/98	17:30 - 18:30	1.00			WK_REP	Crew travel in.
	06:00 - 07:00	1.00	RIGSER	P	WK_REP	Crew travel to loaction - Start & service equipment
	07:00 - 07:30	0.50	MISC	P	WK_REP	Hold safety meeting.
	07:30 - 07:45	0.25	TIH	P	WK_REP	TIH w/4 jts of tbg.
	07:45 - 09:45	2.00	MIX	P	WK_REP	Rig up pump lines & pump - Mix corrosion inhibited water.
	09:45 - 11:30	1.75	CIRC	P	WK_REP	Displace 7" casing volume w/corrosion inhibited 2% KCL water.
	11:30 - 14:00	2.50	LAYDN	P	WK_REP	POOH laying down 2.875" tbg & 2' perforated tbg pup
	14:00 - 14:30	0.50	RIGMOD	P	WK_REP	Rig dwn working floor & tbg handling equipment.
	14:30 - 15:00	0.50	NDBOP	P	WK_REP	Nipple down BOPE & load on truck
	15:00 - 15:15	0.25	NUWLHDP		WK_REP	Nipple up tapped blind flange on wellhead.
02/18/98	15:15 - 18:00	2.75	RD	P	WK_REP	Rig down service rig & support equipment - Load & move off 2.875" CS hydril to Tubescope yard, Evanston, WY.
	18:00 - 19:00	1.00			WK_REP	Crew travel in.
	06:00 - 07:00		RIGSER	P	WK_REP	Finish rigging dwn & moving off location in AM
	07:00 - 16:00	9.00	MOVEOUP		WK_REP	Crew travel - Start & service equipment Load out trucks & move out rig support equipment - Move rig off location - Location ready for preparation for drilling rig.....

DOUBLE JACK TESTING & SERVICES, INC.

43-043-30143

PHONE (307) 789-9213

B.O.P. TEST REPORT



B.O.P. TEST PERFORMED ON (DATE) 4-11

OIL COMPANY Amoco

WELL NAME & NUMBER 372 C-1

SECTION 23

TOWNSHIP 4N

RANGE 7E

COUNTY & STATE Summit, UT

DRILLING CONTRACTOR 55t 56

OIL COMPANY SITE REPRESENTATIVE Mike M.

RIG TOOL PUSHER Doc.

TESTED OUT OF Evansdale

NOTIFIED PRIOR TO TEST \_\_\_\_\_

COPIES OF THIS TEST REPORT SENT TO: Amoco

55t

BLM

State

ORIGINAL CHART & TEST REPORT ON FILE AT: Evansdale WY

TESTED BY: Paul Houghton

DOUBLE JACK TESTING & SERVICES, INC.  
P O BOX 2097  
EVANSTON, WY 82649

# Double Jack Testing & Services Inc.

FIELD TICKET  
No. 012474

Accounting Office: P.O. Box 816, Shoshoni, WY 82840 (307) 876-9390  
 Field Operations: Shoshoni, WY (307) 876-2308  
 Rock Springs, WY (307) 382-4020  
 Evanston, WY (307) 789-9213  
 Big Piney, WY (307) 276-5265  
 Vernal, UT (801) 781-0448

DATE 4-11-98  
 OPERATOR Amoco  
 RIG NAME & NO. Sst 56  
 WELL NAME & NO. 372 C-1

COUNTY Summit STATE Utah SECTION 23 TOWNSHIP 4N RANGE 7E

Items Tested:	LOW TEST PSI	TIME HELD MINUTES	HIGHEST PSI	TIME HELD MINUTES	
Top Pipe Rams	-	-	-	-	Closing Unit PSI <u>3000 PSI</u>
Bottom Pipe Rams	<u>250 PSI</u>	<u>5 min.</u>	<u>5000 PSI</u>	<u>10 min.</u>	Closing Time of Rams <u>4 sec</u>
Blind Rams	<u>250 PSI</u>	)	<u>5000 PSI</u>	)	Closing Time of Annular <u>11 sec</u>
Annular B.O.P.	<u>250 PSI</u>		<u>2500 PSI</u>		Closed Casing Head Valve <u>yes</u>
Choke Manifold	<u>200 PSI</u>		<u>5000 PSI</u>		Set Wear Sleeve <u>none</u>
Choke Line	<u>200 PSI</u>		<u>5000 PSI</u>		COMMENTS
Rill Line	<u>250 PSI</u>		<u>5000 PSI</u>		
Super Choke	<u>250 PSI</u>		<u>5000 PSI</u>		
Upper Kelly	<u>250 PSI</u>		<u>5000 PSI</u>		
Lower Kelly	<u>250 PSI</u>		<u>5000 PSI</u>		
Floor Valve	<u>250 PSI</u>		<u>5000 PSI</u>		
Bar Valve	<u>250 PSI</u>		<u>5000 PSI</u>		
Casing	-	-	-	-	

## ADDITIONAL TESTS & COMMENTS

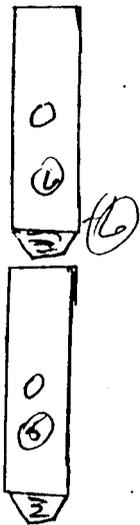
TEST PLUG 7 1/16 C-20  
 RET. TOOL 3 1/2 IF  
 TOP SUB. 3 1/2 IF  
 KELLY SUB. 3 1/2 IF  
 X-OVER SUB.

RATES	UNIT RATES	ADDITIONAL	MILEAGE	METHANOL	OTHER
	<u>700 per test 2 hrs.</u>	<u>500 per test 2 hrs.</u>	<u>1 mile round trip from house @ 60 miles</u>	<u>methanol test with @ 40 Gal at 2nd Gal</u>	
					800 <sup>00</sup>
					110 <sup>00</sup>
					60 <sup>00</sup>
					80 <sup>00</sup>

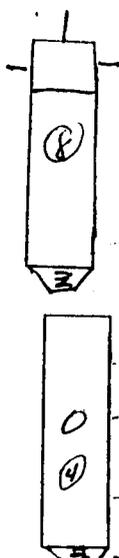
PURCHASE ORDER # Amoco TESTED BY And Hagston SUBTOTAL 1050<sup>00</sup>  
 COMPANY REPRESENTATIVE Amoco DOUBLE JACK TESTING UNIT NUMBER unit 127 TAX \_\_\_\_\_  
 TOTAL \_\_\_\_\_

**NOTICE TO ALL CUSTOMERS**  
 If this account shall not be paid when due and it is placed with an attorney for collection, or it shall be instituted for collection, the undersigned agree(s) to pay in either case, reasonable expense of collection including attorney's fees and court cost in compliance with TRUTH IN LENDING AND THE UNIFORM CONSUMER CREDIT CODE, the following information disclosure, under the terms of our regular accounts, an amount for charges due and payable within THIRTY (30) DAYS from the receipt of an invoice for such services. A LATE CHARGE will be assessed when accounts are not paid when due. THE LATE CHARGE is computed by a "periodic rate" 1-3/4% PER MONTH which is an ANNUAL PERCENTAGE RATE OF 21% to the previous balance in the account on the billing date. No further credit can be extended on unpaid delinquent accounts until the delinquent account is paid in full. The contractor will not be held liable for damages caused by act of God, or unforeseen circumstances that could not be reasonably anticipated in performing the work done as set forth above.

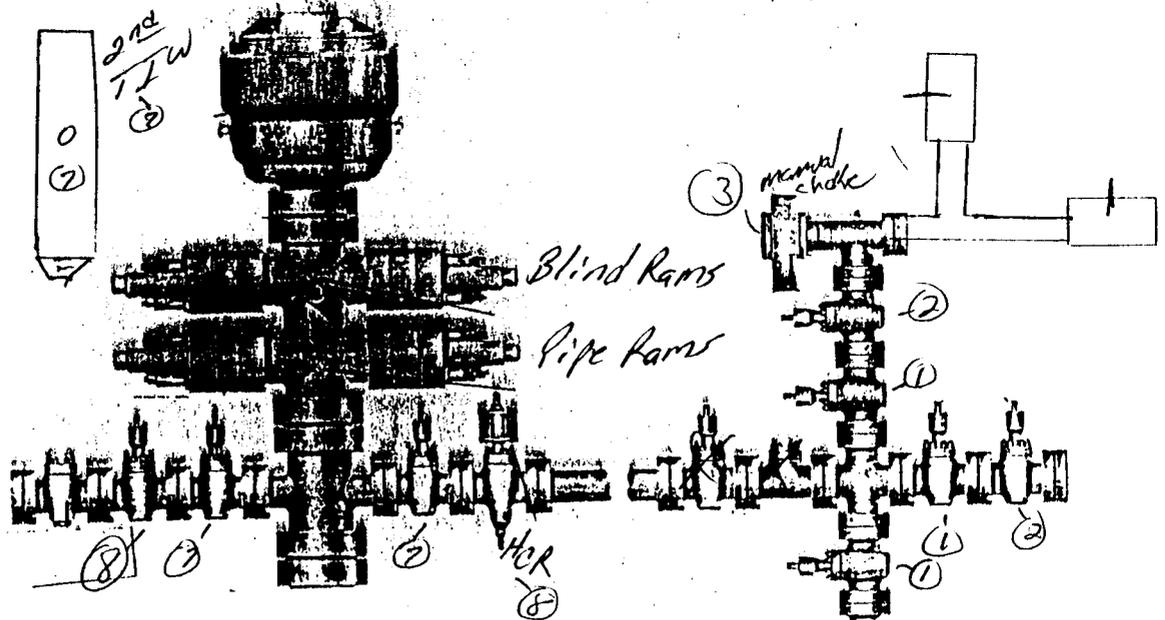
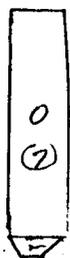
Upper Kelly



Dart



2nd TIW



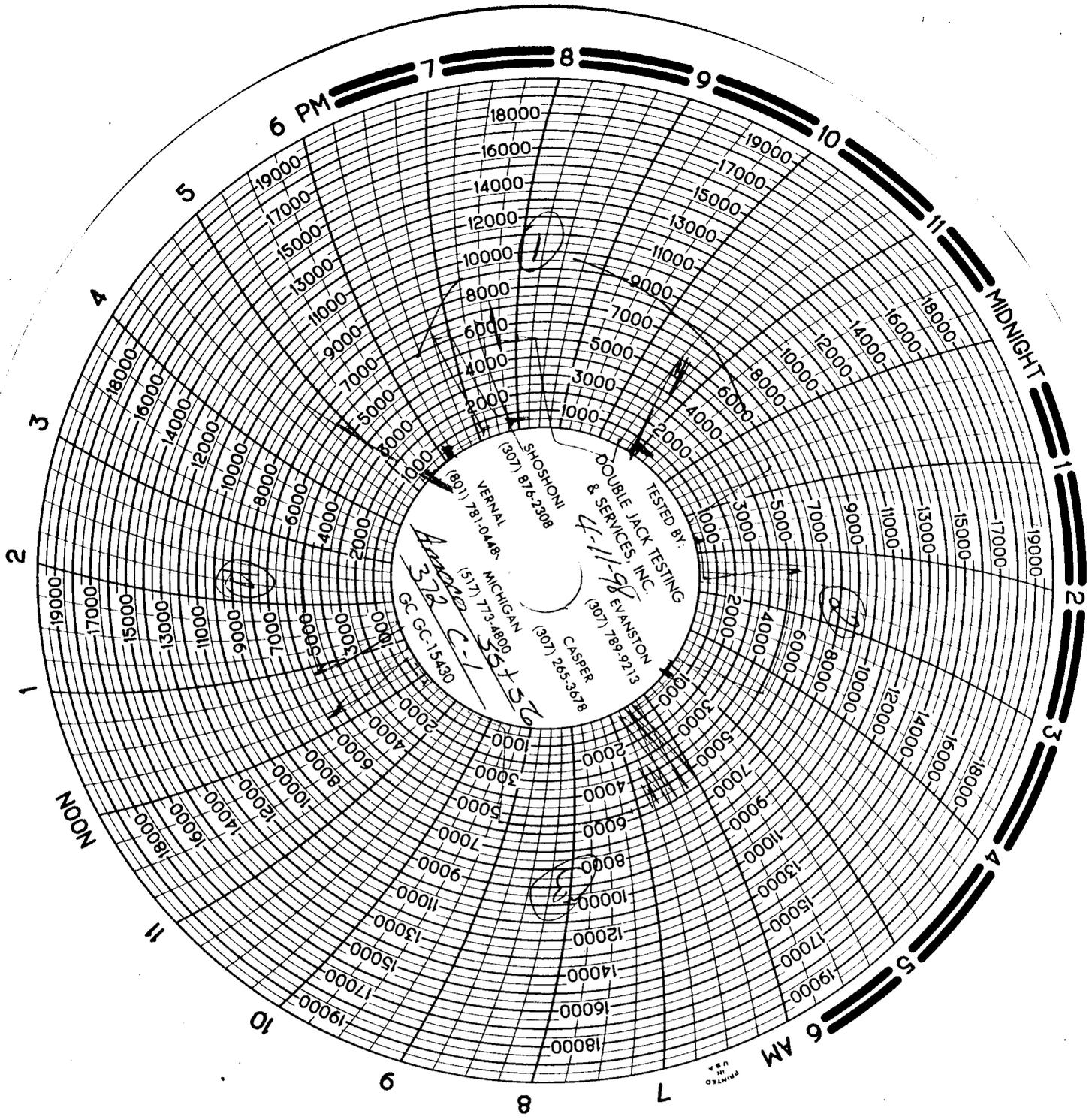
Lower Kelly

TIW

COMPANY LEASE AND WELL NAME & NUMBER TEST DATE RIG NAME & NUMBER

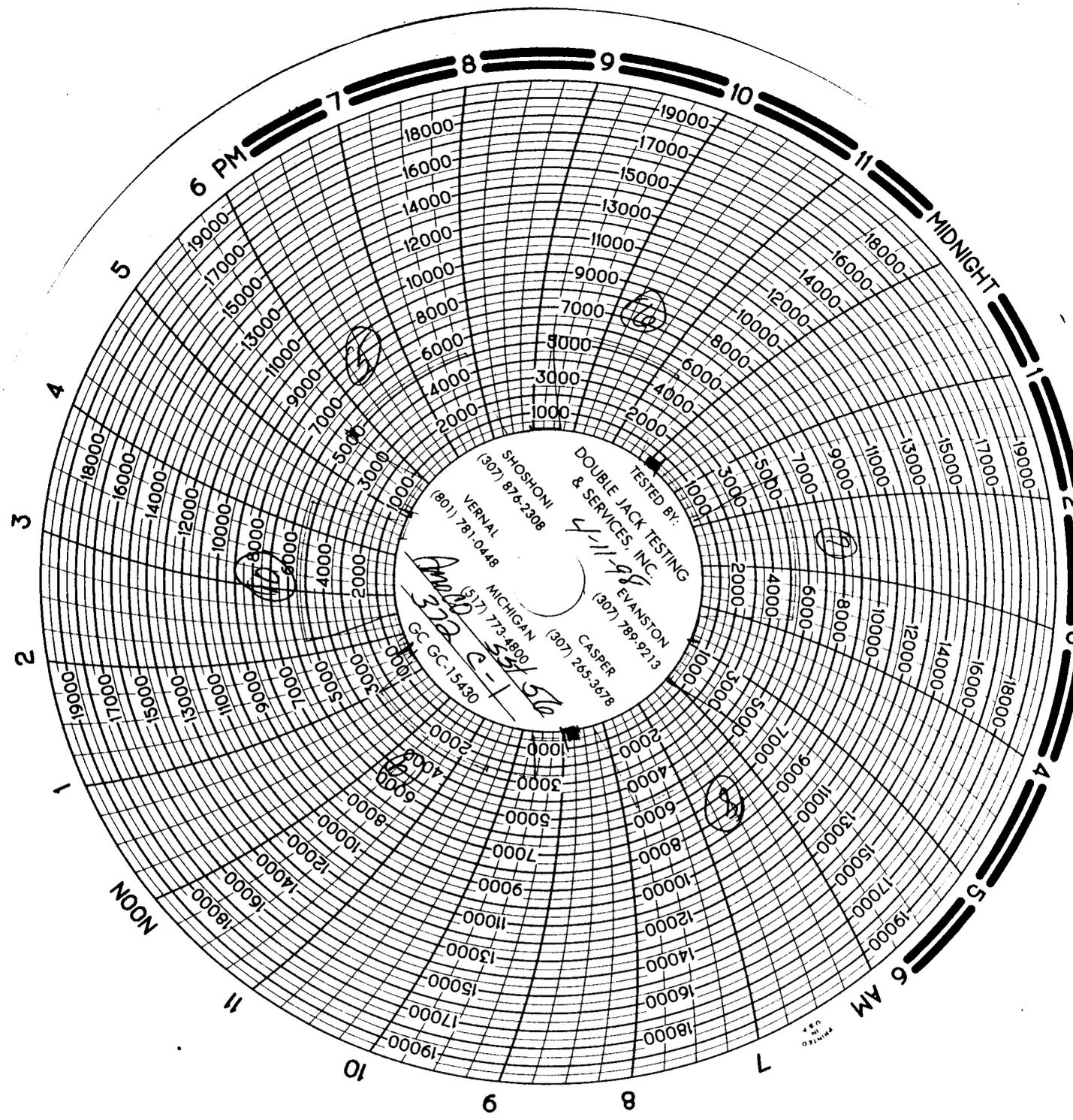
Amco 372 C-1 4-11-98 55+56

TEST #	TIME	INFORMATION
1	1:00-1:05	1st set of manifold valves
	1:30-1:40	250 psi 5 min. 5000 psi 10 min.
2	1:45-1:50	2nd set of manifold valves
	1:50-2:00	250 psi 5 min. 5000 psi 10 min.
3	2:50-2:55	Superchoke, manual chokes - Rig up Top Drive
	3:00-3:10	250 psi 5 min. 5000 psi 10 min.
4	4:20-4:25	TIW Flap Valve
	4:45-4:55	250 psi 5 min. 5000 psi 10 min.
5	5:00-5:05	Lower Kelly
	5:05-5:15	250 psi 5 min. 5000 psi 10 min.
6	5:20-5:25	Upper Kelly
	5:25-5:35	250 psi 5 min. 5000 psi 10 min.
7	6:20-6:25	Pipe Rams, inside kill, inside choke, 2nd TIW
	6:25-6:35	250 psi 5 min. 5000 psi 10 min.
8	6:40-6:45	Pipe Rams outside kill, HCR, Dart
	6:45-6:55	250 psi 5 min. 5000 psi 10 min.
9	7:10-7:15	H/D/L
	7:15-7:25	250 psi 5 min. 2500 psi 10 min.
10	7:30-7:35	Blind Rams, check, outside valves on manifold
	7:35-7:45	250 psi 5 min. 5000 psi 10 min.



TESTED BY:  
 DOUBLE JACK TESTING  
 & SERVICES, INC.  
 EVANSTON, ILL.  
 (307) 789-9213  
 CASPER, WY.  
 (307) 265-3678  
 SHOSHONI, WY.  
 (307) 876-2308  
 VERNAL, COLO.  
 (307) 781-0048  
 MICHIGAN, MI.  
 (317) 713-4800  
 GC GC-15430  
 372 C-1

PRINTED  
 IN  
 U.S.A.



TESTED BY:  
 DOUBLE JACK TESTING & SERVICES, INC.  
 4-11-98  
 EVANSTON (307) 789-9213  
 CASPER (307) 265-3578  
 SHOSHONI (307) 876-2308  
 VERNAL (801) 781-0448  
 MICHIGAN (517) 773-4800  
 GC GC-15430  
 322 C-1  
 521 512

PRINTED  
 IN  
 U.S.A.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial  
Number: **FEE**

6. If Indian, Allottee or Tribe Name:

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

7. Unit Agreement Name:

1. Type of Well: OIL  GAS  OTHER

8. Well Name and Number:  
**Ch 372 Amoco "C" 1**

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

9. API Well Number  
**43-043-30143**

3. Address and Telephone Number:  
**P. O. Box 800, Denver CO 80201, Suite 812B 303-830-4781**

10. Field and Pool, or Wildcat:  
**Anschutz Ranch**

4. Location of Well  
Footages: **860' FNL x 536' FWL** County: **Summit**  
QQ, Sec., T.,R.,M.: **NW/4 Sec. 23-T4N-R7E** State: **Utah**

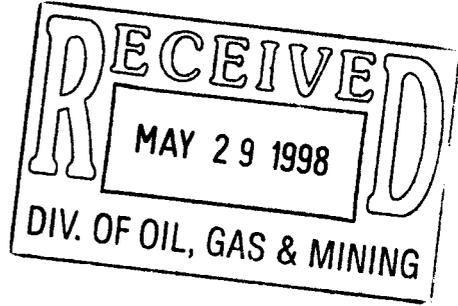
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____  Approximate date work will start _____	<input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <b>Progress Report</b>  Date of work completion _____  <small>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.</small>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off

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.)

See Attached Progress Report.

If you require additional information, please contact Gigi Martinez at (303) 830-4781.



13. Signature: Gigi Martinez Title: **Regulatory Agent** Date: 5/26/98  
(This space for State use only)

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Rig Release:  
 Rig Number:  
 Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
04/11/98	18:00 - 18:00	24.00	RURIG	P	SDTRK1	START MOVE IN ON 04/07/98 FINISH MOVE IN ON 04/10/98 START RIG UP ON 04/08/98 FINISH RIG UP ON 04/11/98 START RIG UP OF TOP DRIVE 04/10/98 PRESENT OPERATION RIG UP TOP DRIVE, RIG UP AND TEST BOP STACK TEST BLIND RAMS, PIPE RAMS, CHOKE MANIFOLD, KELLY VALVES, FLOOR VALVES, KILL AND CHOKE LINES TO 250 PSI LOW AND 5000 PSI HIGH, TEST ANNULAR TO 250 PSI LOW AND 2500 PSI HIGH, ALL TEST GOOD
04/12/98	18:00 - 20:00	2.00	TSTBOP	P	SDTRK1	PRESS. TEST BOP EQUIPMENT TEST RAMS, VALVES AND CHOKE TO 250 PSI LOW AND 5000 PSI HIGH TEST ANNULAR TO 250 PSI LOW AND 2500 PSI HIGH, TEST GOOD
	20:00 - 22:00	2.00	MISC	P	SDTRK1	RIG UP GAS BUSTER
	22:00 - 05:00	7.00	RIGMOD	P	SDTRK1	FINISH RIGGING UP TOP DRIVE UNIT
	05:00 - 17:00	12.00	TUBMOVP	P	SDTRK1	PICK UP 3.5" DRILL PIPE AND TRIP IN HOLE W/BIT AND CASING SCRAPER, TAG UP AT 6020'
	17:00 - 17:15	0.25	TSTCSG	P	SDTRK1	PRESS. TEST CASING TO 1500 PSI
	17:15 - 18:00	0.75	TRIP	P	SDTRK1	TRIP OUT OF HOLE
04/13/98	18:00 - 22:00	4.00	TRIP	P	SDTRK1	TRIP OUT WITH CASING SCRAPER
	22:00 - 00:00	2.00	MISC	P	SDTRK1	RIG UP SCHLUMBERGER, RUN IN HOLE WITH WHIPSTOCK PACKER SET AT 5624' BASED ON CBL LOG
	00:00 - 06:00	6.00	SUR	P	SDTRK1	RIG UP SCIENTIFIC AND RUN GYRO SURVEYS FROM 5624' UP TO SURF.
	06:00 - 07:00	1.00	TRIP	P	SDTRK1	PICK UP & ORIENT WHIPSTOCK
	07:00 - 10:30	3.50	TRIP	P	SDTRK1	TRIP IN HOLE WITH WHIPSTOCK SET WHIPSTOCK ON PACKER AT 5624'
	10:30 - 12:00	1.50	CIRC	P	SDTRK1	LOAD HOLE WITH LIGHT MUD DISPLACE OUT KCL WATER TO PIT
	12:00 - 14:00	2.00	MILL	P	SDTRK1	START CUTTING WINDOW WITH STARTING MILL(CUT 2')
	14:00 - 14:30	0.50	CIRC	P	SDTRK1	CIRCULATE BOTTOMS UP
	14:30 - 18:00	3.50	TRIP	P	SDTRK1	TRIP OUT WITH STARTING MILL
04/14/98	18:00 - 19:00	1.00	TRIP	P	SDTRK1	PICK UP WINDOW MILL AND STRING MILL TO CUT WINDOW
	19:00 - 20:30	1.50	TRIP	P	SDTRK1	TRIP IN HOLE
	20:30 - 07:30	11.00	MILL	P	SDTRK1	MILL WINDOW FROM 5614' TO 5624' DRILL 4' PAST WINDOW TO 5628'
	07:30 - 08:15	0.75	CIRC	P	SDTRK1	CIRCULATE BOTTOMS UP
	08:15 - 10:30	2.25	TRIP	P	SDTRK1	TRIP OUT WITH WINDOW MILLS
	10:30 - 11:30	1.00	TRIP	P	SDTRK1	PICK UP BIT AND STRING MILL
	11:30 - 13:00	1.50	TRIP	P	SDTRK1	TRIP IN HOLE WITH BIT AND STRING MILL TO SMOOTH OUT WINDOW
	13:00 - 14:00	1.00	MILL	P	SDTRK1	WORK MILL THROUGH WINDOW TO SMOOTH OUT OPENING
	14:00 - 17:15	3.25	DRL	P	SDTRK1	DRILL TO 5650' , SHOULD BE ENOUGH OPEN HOLE FOR THE MUD MOTOR
04/15/98	17:15 - 18:00	0.75	CIRC	P	SDTRK1	CIRCULATE BOTTOMS UP
	18:00 - 18:30	0.50	CIRC	P	SDTRK1	CIRCULATE BOTTOMS UP
	18:30 - 21:00	2.50	TRIP	P	SDTRK1	TRIP OUT FOR DIRECTIONAL TOOLS
	21:00 - 23:00	2.00	TRIP	P	SDTRK1	PICK UP DIRECTIONAL TOOLS BIT, MUD MOTORMWD AND MONELS
	23:00 - 23:45	0.75	RIGSER	P	SDTRK1	TEST MUD MOTOR, SERVICE RIG

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Spud Date:  
 End:  
 Rig Release:  
 Group:  
 Rig Number:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
04/15/98	23:45 - 03:00	3.25	TUBMOVP		SDTRK1	PICK UP 54 JOINTS HEAVY WT. DP
	03:00 - 05:30	2.50	TRIP	P	SDTRK1	TRIP IN HOLE WITH DIRECTIONAL TOOLS, TEST MWD
	05:30 - 06:00	0.50	REAM	P	SDTRK1	WORK THROUGH WINDOW SLOWLY NO PROBLEMS
	06:00 - 09:30	3.50	DIRW	P	SDTRK1	SLIDE FROM 5650' TO 5664' ROTATE FROM 5664' TO 5682'
	09:30 - 09:45	0.25	SUR	P	SDTRK1	SURVEY AT 5634', 23.2 DEG, 126.5 AZ
	09:45 - 13:30	3.75	DIRW	P	SDTRK1	ROTATE FROM 5682' TO 5700' SLIDE FROM 5700' TO 5713'
	13:30 - 13:45	0.25	SUR	P	SDTRK1	SURVEY AT 5665', 25 DEG, 126 AZ
	13:45 - 16:45	3.00	DIRW	P	SDTRK1	ROTATE FROM 5713' TO 5729' SLIDE FROM 5729' TO 5744'
	16:45 - 17:00	0.25	SUR	P	SDTRK1	SURVEY AT 5696', 25.1 DEG, 127.7 AZ
	17:00 - 18:00	1.00	DIRW	P	SDTRK1	ROTATE FROM 5744' TO 5759' SLIDE FROM 5759' TO 5760'
04/16/98	18:00 - 19:15	1.25	DIRW	P	SDTRK1	SLIDE FRIM 5760' TO 5775'
	19:15 - 19:30	0.25	SUR	P	SDTRK1	SURVEY AT 5727', 27.2 DEG, 130 AZ
	19:30 - 22:30	3.00	DIRW	P	SDTRK1	ROTATE FROM 5775' TO 5790' SLIDE FROM 5790' TO 5806'
	22:30 - 22:45	0.25	SUR	P	SDTRK1	SURVEY AT 5758', 28.1 DEG, 123.7 AZ
	22:45 - 00:30	1.75	DIRW	P	SDTRK1	ROTATE FROM 5806' TO 5822' SLIDE FROM 5822' TO 5838'
	00:30 - 00:45	0.25	SUR	P	SDTRK1	SURVEY AT 5790', 28.2 DEG, 124.2 AZ
	00:45 - 03:15	2.50	DIRW	P	SDTRK1	ROTATE FROM 5838' TO 5850' SLIDE FROM 5850' TO 5870'
	03:15 - 03:30	0.25	SUR	P	SDTRK1	SURVEY AT 5822', 28.9 DEG, 122.7 AZ
	03:30 - 06:00	2.50	DIRW	P	SDTRK1	ROTATE FROM 5870' TO 5875' SLIDE FROM 5875' TO 5901'
	06:00 - 06:15	0.25	SUR	P	SDTRK1	SURVEY AT 5853', 29.9 DEG, 121.3 AZ
06:15 - 09:45	3.50	DIRW	P	SDTRK1	ROTATE FROM 5901' TO 5917' SLIDE FROM 5917' TO 5933'	
04/17/98	09:45 - 10:00	0.25	SUR	P	SDTRK1	SURVEY AT 5885', 32.4 DEG, 122.6 AZ
	10:00 - 13:30	3.50	DIRW	P	SDTRK1	ROTATE FROM 5933' TO 5950' SLIDE FROM 5950' TO 5968'
	13:30 - 13:45	0.25	SUR	P	SDTRK1	SURVEY AT 5916', 33.7 DEG, 123.4 AZ
	13:45 - 17:00	3.25	DIRW	P	SDTRK1	ROTATE FROM 5968' TO 5980' SLIDE FROM 5980' TO 6001'
	17:00 - 17:15	0.25	SUR	P	SDTRK1	SURVEY AT 5948', 34.9 DEG, 124.9 AZ
	17:15 - 18:00	0.75	DIRW	P	SDTRK1	ROTATE FROM 6001' TO 6016'
	18:00 - 20:00	2.00	DIRW	P	SDTRK1	SLIDE FROM 6016' TO 6027'
	20:00 - 20:15	0.25	SUR	P	SDTRK1	SURVEY AT 5979', 36 DEG, 125.5 AZ
	20:15 - 23:00	2.75	DIRW	P	SDTRK1	ROTATE FROM 6027' TO 6036' SLIDE FROM 6036' TO 6059'
	23:00 - 23:15	0.25	SUR	P	SDTRK1	SURVEY AT 6011', 37.5 DEG, 126.5 AZ
23:15 - 01:30	2.25	DIRW	P	SDTRK1	ROTATE FROM 6059' TO 6070' SLIDE FROM 6070' TO 6091'	
04/17/98	01:30 - 01:45	0.25	SUR	P	SDTRK1	SURVEY AT 6042', 39 DEG, 125.5 AZ
	01:45 - 03:45	2.00	DIRW	P	SDTRK1	ROTATE FROM 6091' TO 6097' SLIDE FROM 6097' TO 6122'
	03:45 - 04:00	0.25	SUR	P	SDTRK1	SURVEY AT 6074', 40.9 DEG, 123.4 AZ
	04:00 - 07:00	3.00	DIRW	P	SDTRK1	ROTATE FROM 6122' TO 6132' SLIDE FROM 6132' TO 6153'
	07:00 - 07:15	0.25	SUR	P	SDTRK1	SURVEY AT 6105', 42.4 DEG, 120.6 AZ

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1

Common Well Name: CHAMPLIN 372 C#1

Event Name: REN

Contractor Name:

Rig Name:

Start: 04/08/98

Rig Release:

Rig Number:

Spud Date:

End:

Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
04/17/98	07:15 - 08:30	1.25	DIRW	P	SDTRK1	ROTATE FROM 6153' TO 6158' SLIDE FROM 6158' TO 6164'
	08:30 - 09:00	0.50	CIRC	P	SDTRK1	CIRCULATE AND CONDITION HOLE PREPARE FOR TRIP OUT
	09:00 - 11:00	2.00	TRIP	P	SDTRK1	TRIP OUT FOR BIT
	11:00 - 13:00	2.00	TRIP	P	SDTRK1	CHANGE OUT BIT, TEST MWD
04/18/98	13:00 - 15:30	2.50	TRIP	P	SDTRK1	TRIP IN HOLE W/NEW BIT
	15:30 - 18:00	2.50	DIRW	P	SDTRK1	SLIDE FROM 6164' TO 6184'
	18:00 - 18:15	0.25	SUR	P	SDTRK1	SURVEY AT 6136', 42.4 DEG, 120.6 AZ
	18:15 - 19:30	1.25	DIRW	P	SDTRK1	ROTATE FROM 6184' TO 6196' SLIDE FROM 6196' TO 6215'
	19:30 - 19:45	0.25	SUR	P	SDTRK1	SURVEY AT 6167', 44.9 DEG, 117.8 AZ
	19:45 - 00:30	4.75	DIRW	P	SDTRK1	SLIDE FROM 6215' TO 6227' ROTATE FROM 6227' TO 6233' SLIDE FROM 6233' TO 6247'
	00:30 - 00:45	0.25	SUR	P	SDTRK1	SURVEY AT 6199', 46.6 DEG, 118.5 AZ
	00:45 - 03:30	2.75	DIRW	P	SDTRK1	ROTATE FROM 6247' TO 6255' SLIDE FROM 6255' TO 6279'
	03:30 - 03:45	0.25	SUR	P	SDTRK1	SURVEY AT 6231', 49 DEG, 120.6 AZ
	03:45 - 06:45	3.00	DIRW	P	SDTRK1	ROTATE FROM 6279' TO 6287' SLIDE FROM 6287' TO 6311'
	06:45 - 07:00	0.25	SUR	P	SDTRK1	SURVEY AT 6263', 51.5 DEG, 120.6 AZ
	07:00 - 11:30	4.50	DIRW	P	SDTRK1	ROTATE FROM 6311' TO 6316' SLIDE FROM 6316' TO 6342'
04/19/98	11:30 - 11:45	0.25	SUR	P	SDTRK1	SURVEY AT 6294', 53.6 DEG, 120.6 AZ
	11:45 - 16:15	4.50	DIRW	P	SDTRK1	ROTATE FROM 6342' TO 6355' SLIDE FROM 6355' TO 6374'
	16:15 - 16:30	0.25	SUR	P	SDTRK1	SURVEY AT 6326', 56.3 DEG, 120.6 AZ
	16:30 - 18:00	1.50	DIRW	P	SDTRK1	ROTATE FROM 6374' TO 6392'
	18:00 - 19:30	1.50	DIRW	P	SDTRK1	ROTATE FROM 6392' TO 6406'
	19:30 - 19:45	0.25	SUR	P	SDTRK1	SURVEY AT 6358', 58.8 DEG, 120.6 AZ
	19:45 - 22:30	2.75	DIRW	P	SDTRK1	ROTATE FROM 6406' TO 6437'
	22:30 - 22:45	0.25	SUR	P	SDTRK1	SURVEY AT 6389', 60.2 DEG, 120.6 AZ
	22:45 - 00:00	1.25	DIRW	P	SDTRK1	ROTATE FROM 6437' TO 6468'
	00:00 - 00:15	0.25	SUR	P	SDTRK1	SURVEY AT 6420', 59.1 DEG, 121.3 AZ
	00:15 - 05:00	4.75	DIRW	P	SDTRK1	ROTATE FROM 6468' TO 6473' SLIDE FROM 6473' TO 6499'
	05:00 - 05:15	0.25	SUR	P	SDTRK1	SURVEY AT 6451', 57.5 DEG, 122 AZ
05:15 - 11:30	6.25	DIRW	P	SDTRK1	ROTATE FROM 6499' TO 6505' SLIDE FROM 6505' TO 6530'	
04/20/98	11:30 - 11:45	0.25	SUR	P	SDTRK1	SURVEY AT 6482', 58.3 DEG, 123.4 AZ
	11:45 - 17:15	5.50	DIRW	P	SDTRK1	ROTATE FROM 6530' TO 6550' SLIDE FROM 6550' TO 6557' ROTATE FROM 6557' TO 6562'
	17:15 - 17:30	0.25	SUR	P	SDTRK1	SURVEY AT 6514', 61.2 DEG, 123.8 AZ
	17:30 - 18:00	0.50	DIRW	P	SDTRK1	ROTATE FROM 6562' TO 6568'
	18:00 - 20:15	2.25	DIRW	P	SDTRK1	ROTATE FROM 6568' TO 6586' SLIDE FROM 6586' TO 6594'
	20:15 - 20:30	0.25	SUR	P	SDTRK1	SURVEY AT 6546', 63.1 DEG, 122.7 AZ
	20:30 - 22:30	2.00	DIRW	P	SDTRK1	ROTATE FROM 6594' TO 6624'
	22:30 - 22:45	0.25	SUR	P	SDTRK1	SURVEY AT 6577', 63.9 DEG, 123.7 AZ
	22:45 - 01:30	2.75	DIRW	P	SDTRK1	ROTATE FROM 6624' TO 6655'
	01:30 - 01:45	0.25	SUR	P	SDTRK1	SURVEY AT 6608', 64.4 DEG, 123.4 AZ

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Spud Date:  
 End:  
 Rig Release:  
 Group:  
 Rig Number:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
04/20/98	01:45 - 04:00	2.25	DIRW	P	SDTRK1	ROTATE FROM 6655' TO 6681'
	04:00 - 06:00	2.00	CIRC	P	SDTRK1	CIRCULATE AND CONDITION HOLE FOR TRIP OUT
	06:00 - 07:30	1.50	TRIP	P	SDTRK1	TRIP OUT FOR BIT
	07:30 - 09:30	2.00	TRIP	P	SDTRK1	CHANGE OUT BIT AND BHA
	09:30 - 12:30	3.00	TRIP	P	SDTRK1	TRIP IN HOLE
	12:30 - 13:00	0.50	REAM	P	SDTRK1	WASH AND REAM 30' TO BOTTOM
	13:00 - 13:30	0.50	DIRW	P	SDTRK1	ROTATE FROM 6681' TO 6684'
	13:30 - 13:45	0.25	SUR	P	SDTRK1	SURVEY AT 6635', 64.2 DEG, 125.5 AZ
	13:45 - 18:00	4.25	DIRW	P	SDTRK1	ROTATE FROM 6684' TO 6715'
	04/21/98	18:00 - 18:15	0.25	SUR	P	SDTRK1
18:15 - 23:45		5.50	DRL	P	SDTRK1	SLIDE FROM 6715' TO 6724' ROTATE FROM 6724' TO 6747'
23:45 - 00:00		0.25	SUR	P	SDTRK1	SURVEY AT 6698', 62.6 DEG, 125.5 AZ
00:00 - 04:45		4.75	DIRW	P	SDTRK1	ROTATE FROM 6747' TO 6767' SLIDE FROM 6767' TO 6777' ROTATE FROM 6777' TO 6779'
04:45 - 05:00		0.25	SUR	P	SDTRK1	SURVEY AT 6729', 62.4 DEG, 125.5 AZ
05:00 - 08:30		3.50	DIRW	P	SDTRK1	ROTATE FROM 6779' TO 6810'
08:30 - 08:45		0.25	SUR	P	SDTRK1	SURVEY AT 6761', 62.1 DEG, 126.3 AZ
08:45 - 11:15		2.50	DIRW	P	SDTRK1	SLIDE FROM 6810' TO 6823' ROTATE FROM 6823' TO 6844'
11:15 - 11:30		0.25	SUR	P	SDTRK1	SURVEY AT 6792', 62.2 DEG, 126.2 AZ
11:30 - 14:45		3.25	DIRW	P	SDTRK1	ROTATE FROM 6844' TO 6873'
04/22/98	14:45 - 15:00	0.25	SUR	P	SDTRK1	SURVEY AT 6824', 62.8 DEG, 126.2 AZ
	15:00 - 18:00	3.00	DIRW	P	SDTRK1	SLIDE FROM 6873' TO 6885' ROTATE FROM 6885' TO 6888'
	18:00 - 18:45	0.75	DIRW	P	SDTRK1	DRILLING FROM 6888' TO 6907', 19', 25.3'/HR.
	18:45 - 19:00	0.25	SUR	P	SDTRK1	SURVEY @ 6855', 63 INC, 125 AZ.
	19:00 - 21:00	2.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 6907' TO 6936', 29', 14.5'/HR.
	21:00 - 21:15	0.25	SUR	P	SDTRK1	SURVEY @ 6887', 63.2 INC, 124.8 AZ.
	21:15 - 23:15	2.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 6936' TO 6967', 31', 15.5'/HR.
	23:15 - 23:30	0.25	SUR	P	SDTRK1	SURVEY @ 6918', 62.6 INC, 124.8 AZ
	23:30 - 01:45	2.25	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 6967' TO 6998', 31', 13.7'/HR.
	01:45 - 02:00	0.25	SUR	P	SDTRK1	SURVEY @ 6949', 61.3 INC, 124.1 AZ
04/23/98	02:00 - 03:45	1.75	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 6998' TO 7013', 15', 8.5'/HR. TOOL FACE 20 DEGREES LEFT.
	03:45 - 05:45	2.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7013' TO 7029', 16', 8'/HR.
	05:45 - 06:00	0.25	SUR	P	SDTRK1	SURVEY @ 6980', 60.2 INC, 124.1 AZ.
	06:00 - 07:00	1.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7020' TO 7049', 20', 20'/HR.
	07:00 - 09:00	2.00	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7049' TO 7061', 12', 6'/HR. TOOL FACE 20 DEGREES LEFT.
	09:00 - 09:30	0.50	SUR	P	SDTRK1	SURVEY @ 7012', 60.9 INC, 124.4 AZ.
	09:30 - 11:30	2.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7061' TO 7090', 29', 14.5'/HR.
	11:30 - 11:45	0.25	SUR	P	SDTRK1	SURVEY @ 7041', 61 INC, 124.1' AZ.
	11:45 - 15:00	3.25	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7090' TO 7110', 20', 6.1'/HR. TOOL FACE LEFT 20 DEGREES.
	15:00 - 15:30	0.50	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7110' TO 7122', 12', 24'/HR.
04/23/98	15:30 - 15:45	0.25	SUR	P	SDTRK1	SURVEY @ 7073', 62.1 INC, 123.4 AZ.
	15:45 - 18:00	2.25	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7122' TO 7145', 23', 10.2'/HR.
	18:00 - 18:15	0.25	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7145' TO 7153', 8', 32'/HR.
	18:15 - 18:30	0.25	SUR	P	SDTRK1	SURVEY @ 7104', 64 INC, 123.4 AZ.
	18:30 - 19:30	1.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7153' TO 7185', 32', 32'/HR.
	19:30 - 19:45	0.25	SUR	P	SDTRK1	SURVEY @ 7136', 63.5 INC, 122.7 AZ.

Operations Summary Report

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Rig Release:  
 Rig Number:  
 Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations	
04/23/98	19:45 - 21:45	2.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7185' TO 7201', 16', 8'/HR.	
	21:45 - 00:30	2.75	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7201' TO 7216', 15', 5.4'/HR. TOOL FACE 20 DEGREES LEFT.	
	00:30 - 00:45	0.25	SUR	P	SDTRK1	SURVEY @ 7167', 62.7 INC, 123.4 AZ.	
	00:45 - 02:15	1.50	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7216' TO 7233', 17', 11.3'/HR.	
	02:15 - 05:00	2.75	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7233' TO 7248', 15', 5.4'/HR. TOOL FACE 20 DEGREES LEFT.	
	05:00 - 05:15	0.25	SUR	P	SDTRK1	SURVEY @ 7199', 61.6 INC, 123.4 AZ.	
	05:15 - 07:00	1.75	CIRC	P	SDTRK1	CIRCULATE, SPOT LCM PILL.	
	07:00 - 10:00	3.00	TRIP	P	SDTRK1	TRIP FOR BIT #6, CHANGE BHA.	
	10:00 - 10:30	0.50	RIGSER	P	SDTRK1	SERVICE RIG.	
	10:30 - 13:30	3.00	TRIP	P	SDTRK1	REPLACE MUD MOTOR, INSTALL WEAR RING. FUNCTION TEST BOP.	
	13:30 - 16:30	3.00	MISC	P	SDTRK1	CLEAN MUD PITS, CHANGE LIME MUD OVER TO POLYMER MUD.	
	16:30 - 18:00	1.50	TRIP	P	SDTRK1	TIH, STRAP PIPE, BHA NOT RIGHT ON TRIP OUT.	
	04/24/98	18:00 - 19:00	1.00	TRIP	P	SDTRK1	TRIP IN HOLE, STRAP PIPE.
		19:00 - 22:30	3.50	TUBMOVP	P	SDTRK1	PICK UP 39 JOINTS DRILL PIPE.
22:30 - 00:00		1.50	CIRC	P	SDTRK1	DISPLACE LIME MUD OUT OF HOLE W/POLYMER MUD.	
00:00 - 03:00		3.00	MISC	T	SDTRK1	REPLACE HYDRAULIC PUMP ON TOP DRIVE.	
03:00 - 05:15		2.25	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7248' TO 7266', 18', 8'/HR.	
05:15 - 09:30		4.25	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7266' TO 7282', 16', 3.7'/HR. TOOL FACE 20 DEGREES LEFT.	
09:30 - 09:45		0.25	SUR	P	SDTRK1	SURVEY @ 7229', 62 INC, 123.4 AZ.	
09:45 - 11:45		2.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7282' TO 7297', 15', 7.5'/HR.	
11:45 - 12:00		0.25	SUR	P	SDTRK1	TOOL FACE ORIENTATION.	
12:00 - 14:15		2.25	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7297' TO 7315', 18', 8'/HR. TOOL FACE 20 DEGREES LEFT.	
14:15 - 14:30		0.25	SUR	P	SDTRK1	SURVEY @ 7261', 62.9 INC, 123.7 AZ.	
14:30 - 16:00		1.50	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7315' TO 7329', 14', 9.3'/HR.	
16:00 - 18:00		2.00	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7329' TO 7332', 3', 1.5'/HR. TOOL FACE 20 DEGREES LEFT.	
18:00 -					SDTRK1	NOTE: HOLE TIGHT FOR FEW MINUTES IN TOP OF SLIDEROCK FORMATION. TOTAL MUD LOST TODAY 50 BBLs. GAS KICK AT 7334 MD, PEAK 293 UNITS. BG 35 UNITS.	
04/25/98	18:00 - 21:30	3.50	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7332' TO 7341', 9', 2.5'/HR. TOOL FACE 20 DEGREES LEFT.	
	21:30 - 21:45	0.25	SUR	P	SDTRK1	SURVEY @ 7292', 64.4 INC, 124.1 AZ.	
	21:45 - 23:15	1.50	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7341' TO 7349', 8', 5.3'/HR. TOOL FACE 20 DEGREES LEFT.	
	23:15 - 00:15	1.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7349' TO 7356', 7', 7'/HR.	
	00:15 - 04:30	4.25	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7356' TO 7376', 20', 4.7'/HR. TOOL FACE 20 DEGREES LEFT.	
	04:30 - 04:45	0.25	SUR	P	SDTRK1	SURVEY @ 7323', 66.8 INC, 125.3 AZ.	
	04:45 - 07:00	2.25	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7376' TO 7391', 15', 6.6'/HR.	
	07:00 - 09:45	2.75	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7391' TO 7403', 13', 4.7'/HR. TOOL FACE 48 DEGREES LEFT.	
	09:45 - 10:00	0.25	SUR	P	SDTRK1	SURVEY @ 7354', 69.7 INC, 126.2 AZ.	
	10:00 - 13:30	3.50	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7403' TO 7422', 19', 5.4'/HR.	
	13:30 - 13:45	0.25	SUR	P	SDTRK1	SURVEY @ 7385', 73.1 INC, 125.9 AZ.	
	13:45 - 17:00	3.25	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7422' TO 7434', 12', 3.6'/HR. TOOL FACE 48 DEGREES LEFT.	
	17:00 - 18:00	1.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7434' TO 7438', 4', 4'/HR.	
	-				SDTRK1	NOTE: TOTAL MUD LOSS LAST 24 HRS. 47 BBLs. AVG. 1.95	

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Rig Release:  
 Rig Number:

Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
04/25/98	-				SDTRK1	BBLS/HR.
04/26/98	18:00 - 19:15	1.25	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7438' TO 7454', 16', 12.8'/HR.
	19:15 - 22:00	2.75	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7454' TO 7464', 10', 3.6'/HR.
	22:00 - 23:00	1.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7464' TO 7466, 2', 2'/HR.
	23:00 - 23:15	0.25	SUR	P	SDTRK1	SURVEY @ 7417', 75.3 INC, 124.8 AZ.
	23:15 - 01:45	2.50	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7466' TO 7484', 18', 7.2'/HR.
	01:45 - 04:00	2.25	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7484' TO 7489', 5', 2.2'/HR.
	04:00 - 04:30	0.50	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7489' TO 7491', 2', 4'/HR.
	04:30 - 05:30	1.00	CIRC	P	SDTRK1	CIRCULATE, PUMP PILL FOR BIT TRIP.
	05:30 - 06:00	0.50	TRIP	P	SDTRK1	TOH
	06:00 - 06:15	0.25	RIGSER	P	SDTRK1	SERVICE RIG.
	06:15 - 08:15	2.00	TRIP	P	SDTRK1	TOH
	08:15 - 12:15	4.00	MISC	P	SDTRK1	LAY DOWN & PICK UP MUD MOTOR, TEST MOTOR, INSPECT BHA, CHANGE CORROSION RING IN TOP DRIVE, SERVICE TOP DRIVE.
	12:15 - 14:30	2.25	TRIP	P	SDTRK1	TIH 3900', TEST MUD MOTOR.
	14:30 - 16:30	2.00	MISC	P	SDTRK1	SLIP & CUT DRILLING LINE. HAD TO MOVE BLOCK HANGING LINE TO ACCOMIDATE TOP DRIVE, SAFETY MEETING. DON'T TAKE ANY RISK THAT MIGHT CAUSE INJURY.
04/27/98	16:30 - 18:00	1.50	TRIP	P	SDTRK1	TIH
	18:00 - 19:30	1.50	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7491' TO 7494', 3', 2'/HR.
	19:30 - 19:45	0.25	SUR	P	SDTRK1	SURVEY @ 7744, 77.4 INC, 125.5 AZ.
	19:45 - 00:00	4.25	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7494' TO 7524', 30', 7'/HR.
	00:00 - 00:15	0.25	SUR	P	SDTRK1	SURVEY @ 7475', 78.3 INC, 124.1 AZ.
	00:15 - 04:00	3.75	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7524' TO 7556', 32', 8.5'/HR.
	04:00 - 04:15	0.25	SUR	P	SDTRK1	SURVEY @ 7507', 78.6 INC, 125 AZ.
	04:15 - 07:30	3.25	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7556' TO 7587', 31', 9.5'/HR.
	07:30 - 08:00	0.50	SUR	P	SDTRK1	SURVEY @ 7538, 78.9 INC, 124.8 AZ.
	08:00 - 09:30	1.50	DIRW	P	SDTRK1	DRILLING, SLIDING FROM 7587' TO 7593', 6', 4'/HR. TOOL FACE 60 DEGREES LEFT.
	09:30 - 12:30	3.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7593' TO 7618', 25', 8.3'/HR.
	12:30 - 12:45	0.25	SUR	P	SDTRK1	SURVEY @ 7559', 79 INC, 124.1 AZ.
	12:45 - 15:30	2.75	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7618' TO 7649', 31', 11.2'/HR.
	15:30 - 16:00	0.50	SUR	P	SDTRK1	SURVEY @ 7600', 79.7 INC, 124.1 AZ.
16:00 - 18:00	2.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7649' TO 7670', 21', 10.5'/HR.	
18:00 -				SDTRK1	NOTE: LOST 76 BBLS MUD TO FORMATION, 3.1 BBLS/HR.	
04/28/98	18:00 - 18:45	0.75	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7670' TO 7680', 10', 13.3'/HR.
	18:45 - 19:00	0.25	SUR	P	SDTRK1	SURVEY @ 7631', 80.2 INC, 122.7 AZ.
	19:00 - 22:00	3.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7680' TO 7711', 31', 10.3'/HR.
	22:00 - 22:15	0.25	SUR	P	SDTRK1	SURVEY @ 7662', 80.8 INC, 122.6 AZ.
	22:15 - 02:15	4.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7711' TO 7743', 32', 8'/HR.
	02:15 - 02:30	0.25	SUR	P	SDTRK1	SURVEY @ 7694', 80.7 INC, 122.4 AZ.
	02:30 - 03:15	0.75	DIRW	T	SDTRK1	DRILLING, ROTATE FROM 7743' TO 7757', 14', 18.6'/HR.
	03:15 - 06:00	2.75	CIRC	T	SDTRK1	LOST 72 BBLS MUD FROM 2400 HRS. TO 0315 HRS. STARTED MAKE UP WATER @ 0230 HRS. 0300 HRS, STOP DRILLING, PICK UP OFF BOTTOM, WORK PIPE & ROTATE, SLOW PUMP FROM 95 SPM TO 80 SPM, PUMP TWO LCM PILLS, PILLS CONTAINING PER BBL, 15# BARACARB #5, 15# BARACARB #50, 15# BARACARB #150, 10# MAGMA FIBER. EACH PILL VOLUME 60 BBLS. 0500 HRS. START MIXING CORSE MICA & FINE WALNUT @ 2.5 MINUTES PER SACK. LOSS @ 0600 HRS. 10 BBLS/HR.
	06:00 - 07:00	1.00	CIRC	T	SDTRK1	0600 HRS. PIT VOLUME 610 BBLS. MAKE UP WATER 10 BBLS/HR. 0630 HRS. LOSS INCREASE TO 18 BBLS/HR. SLOW PUMP TO 70 SPM. @ 0630 HRS. PIT VOLUME 606 BBLS. 0700 HRS. PIT VOLUME

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Rig Release:  
 Rig Number:

Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
04/28/98	06:00 - 07:00	1.00	CIRC	T	SDTRK1	601 BBLs. MUD LOSS 20 BBLs./HR. INCLUDES MAKE UP WATER. PUMP 60 BBL PILL CONTAINING PER BBL, 15# BARACARB #5, 15# BARACARB #50, 15# BARACARB #150, 10# MAGMA FIBER, 15# BARACARB 600. NO SUCCESS. MUD LOSS 20+ BBLs./HR. TOH W/DRILLING ASSEMBLY. LAY DOWN MWD. CLEAN UP SAME. ENGINEERING MEETING, PLANNING TO CONTROL MUD LOSSES. MOVE BHA TO OTHER SIDE OF DERRICK, PICK UP 3 JTS. DP. TRIP IN HOLE OPEN END. SHUT DOWN @ WINDOW, WAIT ON CEMENT SERVICE.
	07:00 - 09:00	2.00	CIRC	T	SDTRK1	
	09:00 - 11:00	2.00	TRIP	P	SDTRK1	
	11:00 - 12:30	1.50	MISC	P	SDTRK1	
	12:30 - 13:00	0.50	TRIP	P	SDTRK1	
	13:00 - 14:00	1.00	TRIP	P	SDTRK1	
04/29/98	14:00 - 18:00	4.00	MISC	T	SDTRK1	WAIT ON CEMENT SERVICE FROM DS.
	18:00 - 20:30	2.50	MISC	T	SDTRK1	WAIT ON DS SERVICES.
	20:30 - 21:30	1.00	CMTPLG	P	SDTRK1	RIG UP CEMENTERS.
	21:30 - 22:00	0.50	TRIP	P	SDTRK1	TRIP IN OPEN HOLE FROM WINDOW.
	22:00 - 22:30	0.50	CIRC	P	SDTRK1	FILL HOLE W/MUD, FLUID LEVEL 2700' FROM SURFACE.
	22:30 - 00:00	1.50	CMTPLG	P	SDTRK1	PUMP LOST CIRCULATION CEMENT PLUG.
	00:00 - 00:30	0.50	TRIP	P	SDTRK1	TOH 20 STANDS.
	00:30 - 02:00	1.50	CIRC	P	SDTRK1	REVERSE CIRCULATE, LOST 6 BBLs. FIRST 30 MINUTES, NO MUD LOSS LAST HOUR. CIRCULATING PRESSURE 300 PSI @ 89 GPM. TRIP OUT W/DP.
	02:00 - 03:45	1.75	TRIP	P	SDTRK1	PICK UP DIRECTIONAL DRG. BHA.
	03:45 - 05:00	1.25	TRIP	P	SDTRK1	TEST MUD MOTOR & MWD, GET PIECE OF WOOD OUT OF MWD.
04/30/98	05:00 - 07:00	2.00	TRIP	P	SDTRK1	TIH, STRING STARTED TAKING WEIGHT @ 6450'
	07:00 - 08:15	1.25	TRIP	P	SDTRK1	WASH & REAM FROM 6450' TO 7757', SEVERAL BRIDGES, SOFT, SPONGE TYPE REAMING, 2,000 TO 10,000 BIT WEIGHT TO REAM DOWN. NO CEMENT DRILLED.
	08:15 - 17:00	8.75	REAM	P	SDTRK1	DRILLING, SLIDING FROM 7757' TO 7760'.
	17:00 - 18:00	1.00	DIRW	P	SDTRK1	DRILLING, SLIDE FROM 7760' TO 7775', 15', 4.2'/HR. TOOL FACE 30 DEGREES LEFT.
	18:00 - 21:30	3.50	DIRW	P	SDTRK1	SURVEY @ 7726', 80.2 INC, 122.7 AZ.
	21:30 - 21:45	0.25	SUR	P	SDTRK1	DRILLING, ROTATE FROM 7775' TO 7791', 14', 6.2'/HR.
	21:45 - 00:00	2.25	DIRW	P	SDTRK1	DRILLING, SLIDE FROM 7791' TO 7806', 15', 3'/HR. TOOL FACE 30 DEGREES LEFT.
	00:00 - 05:00	5.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7806' TO 7824', 18', 12'/HR.
	05:00 - 06:30	1.50	DIRW	P	SDTRK1	DRILLING, SLIDE FROM 7824' TO 7827', 3', 1.5'/HR.
	06:30 - 08:30	2.00	DIRW	P	SDTRK1	NOT SLIDING GOOD, PICK UP, PULL 80,000 OVER BEFORE PIPE FREE, MIX AND PUMP 40 BBL PILL CONTAINING PER BARREL, 3# BARABUF, 15# BARACARB 5, 15# BARACARB 15, 15# BARACARB 150, 5# BARACARB 600, 7# ENVIRO-TORQ. ONE SACK N-VIS IN PILL. REDUCE DRAG FROM 80,000 TO 20,000.
	08:30 - 09:00	0.50	CIRC	P	SDTRK1	DRILLING, SLIDE FROM 7827' TO 7829', 2', 2'/HR. TOOL FACE 30 DEGREES LEFT.
	09:00 - 10:00	1.00	DIRW	P	SDTRK1	DRILLING, ROTATE FROM 7829' TO 7837', 8', 8'/HR.
	10:00 - 11:00	1.00	DIRW	P	SDTRK1	SURVEY @ 7788', 81.8 INC, 123.4 AZ.
	11:00 - 11:15	0.25	SUR	P	SDTRK1	DRILLING, ROTATE FROM 7837' TO 7843', 6', 8'/HR. 12:00 LOST TOTAL CIRCULATION, PULL ONE STAND.
11:15 - 12:00	0.75	DIRW	P	SDTRK1	PUMP 60 BBL LCM PILL, NO RETURNS.	
12:00 - 13:30	12:00 - 13:30	1.50	CIRC	T	SDTRK1	TOH 26 STANDS.
	13:30 - 14:15	0.75	TRIP	T	SDTRK1	MIX LCM PILL IN PREMIX TANK.
	14:15 - 16:15	2.00	MISC	T	SDTRK1	TIH 26 STANDS.
	16:15 - 17:30	1.25	TRIP	P	SDTRK1	TRY TO SPOT LCM PILL, MWD PLUGGED.
	17:30 - 18:00	0.50	CIRC	T	SDTRK1	NOTE: TOTAL MUD LOST LAST 24 HOURS. 348 BBLs. FIRST 18 HRS. TOTAL 77 BBLs. 12:00 TO 13:30 LOST TOTAL RETURN, LOST LCM PILLS, FROM 12:00 TO 13:30, 271 BBLs.
	18:00 -				SDTRK1	

Operations Summary Report

Legal Well Name: CHAMPLIN 372 C#1

Common Well Name: CHAMPLIN 372 C#1

Event Name: REN

Contractor Name:

Rig Name:

Start: 04/08/98

Rig Release:

Rig Number:

Spud Date:

End:

Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
05/01/98	18:00 - 20:30	2.50	TRIP	P	SDTRK1	TRIPPING OUT OF HOLE, WET STRING, MWD PLUGGED. WELL STARTED FLOWING. SHUT WELL IN.
	20:30 - 23:30	3.00	MISC	T	SDTRK1	PREPARE TO KILL WELL, SICP 850 PSI. KILL WELL W/246 BBLS.
	23:30 - 00:00	0.50	TRIP	P	SDTRK1	PULL PLUGGED BHA OUT OF HOLE.
	00:00 - 02:30	2.50	TRIP	P	SDTRK1	TRIP IN HOLE W/KILL STRING TO 4300'.
	02:30 - 11:00	8.50	MISC	P	SDTRK1	MIX MUD. BUILD VOLUME.
	11:00 - 12:00	1.00	CIRC	P	SDTRK1	SIDP 900 PSI, SICP 250 PSI. PUMP 36 BBLS DOWN CSG, 55 BBLS DOWN DP. LINE UP ON GAS BUSTER, CIRCULATE ONE HOUR.
	12:00 - 14:00	2.00	TRIP	P	SDTRK1	TRIP IN HOLE 36 STANDS.
	14:00 - 14:30	0.50	CMTPLG	P	SDTRK1	RIG UP CEMENT EQUIPMENT.
	14:30 - 15:00	0.50	CMTPLG	P	SDTRK1	SPOT 50 SACK CEMENT.
	15:00 - 16:00	1.00	TRIP	P	SDTRK1	PULL 26 STANDS.
	16:00 - 17:00	1.00	WOC	P	SDTRK1	WAITING ON CEMENT.
	17:00 - 18:00	1.00	CIRC	P	SDTRK1	CIRCULATE GAS OUT OF MUD.
	18:00 -				SDTRK1	NOTE: TOTAL MUD LOSS, LAST 24 HRS. 348 BBLS. FLUID LEVEL @ 1700 HRS. 2700'. 20 BBLS TO LOAD DP.
	05/02/98	18:00 - 19:30	1.50	CIRC	P	SDTRK1
19:30 - 21:00		1.50	TRIP	P	SDTRK1	TRIP OUT FOR DRILLING ASSEMBLY.
21:00 - 22:30		1.50	TRIP	P	SDTRK1	PICK UP CONVENTIONAL ROTARY BUILDING ASSEMBLY.
22:30 - 01:00		2.50	TRIP	P	SDTRK1	TRIP IN HOLE, BRIDGE @ 6791'.
01:00 - 01:30		0.50	REAM	T	SDTRK1	WASH & REAM 90'.
01:30 - 02:00		0.50	TRIP	P	SDTRK1	TRIP IN HOLE.
02:00 - 03:30		1.50	REAM	P	SDTRK1	TAG CEMENT @ 7628', REAM TO TD @ 7843. CEMENT FIRM, NOT HARD. ONLY 12 SACKS CALCULATED TO BE IN FORMATION IF HOLE IN GAUGE.
03:30 - 15:00		11.50	DIRW	P	SDTRK1	DRILLING FROM 7843' TO 7925', 82', 7.1'/HR. PUMPING LCM SWEEPS ABOUT EVERY 3 HRS. SLOWING LOSS FROM 10 BBLS/HR. TO 6 BBLS/HR. TOTAL LOSS RETURNS @ 7925'.
15:00 - 16:00		1.00	MISC	P	SDTRK1	SHUT PUMP DOWN, PULL ONE STAND, PUMP LCM PILL.
16:00 - 17:00		1.00	TRIP	P	SDTRK1	TOH W/27 STANDS
05/03/98	17:00 - 17:30	0.50	CIRC	P	SDTRK1	CIRCULATE, REGAIN FULL RETURN.
	17:30 - 18:00	0.50	WIRELN	P	SDTRK1	RUN MWD & LOGGING TOOL IN TO UBHO ON SLICK LINE.
	18:00 -				SDTRK1	NOTE: MUD LOSS TODAY 350 BBLS.
	18:00 - 18:30	0.50	TRIP	P	SDTRK1	TRIP UBHO TO VERTICAL POSITION.
	18:30 - 00:00	5.50	WIRELN	T	SDTRK1	RUN MWD & LOGGING TOOL ON SLICK LINE. TOOL STOPPED @ HWDP. TRY TO COME OUT OF HOLE, SHEARED OFF OF TOOL. LAY TOOL DOWN, ADJUST BOW SPRING TENSION, TRIP IN HOLE, TOOL STOPPED @ 7700', TOOL STUCK, SHEARED OFF, TOH W/DP. FOUND TOOL @ 7700', DROPPED TOOL TRYING TO GET IT OUT OF DP. TOH TO UBHO, RECOVER TOOL. CHUNKS OF CEMENT COMING OFF DP, CAUSING PROBLEM.
	00:00 - 03:00	3.00	MISC	P	SDTRK1	WORK ON MWD.
	03:00 - 06:00	3.00	TRIP	P	SDTRK1	TIH, RABBIT DRILL PIPE.
	06:00 - 06:30	0.50	CIRC	P	SDTRK1	TEST MWD.
	06:30 - 07:00	0.50	TRIP	P	SDTRK1	TRIP IN HOLE, BRIDGE @ 7737'.
	07:00 - 08:00	1.00	REAM	P	SDTRK1	WASH 188' TO BOTTOM.
	08:00 - 10:30	2.50	LOG	P	SDTRK1	RUN GAMMA RAY LOG FROM TOP OF NUGGET TO TD.
	10:30 - 12:00	1.50	TRIP	P	SDTRK1	PULL UBHO BACK TO VERTICAL POSITION.
	12:00 - 13:30	1.50	WIRELN	P	SDTRK1	PULL MWD W/SLICK LINE.
	13:30 - 14:30	1.00	MISC	P	SDTRK1	CHANGE CORROSION RING IN TOP DRIVE, CHANGE DIES IN TOP DRIVE SAVER SUB.
14:30 - 15:30	1.00	TRIP	P	SDTRK1	TRIP IN HOLE.	
15:30 - 18:00	2.50	DIRW	P	SDTRK1	DRILLING W/CONVENTIONAL ROTARY BUILD ASSEMBLY FROM	

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Rig Release:  
 Rig Number:  
 Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
05/03/98	15:30 - 18:00 18:00 -	2.50	DIRW	P	SDTRK1 SDTRK1	7925' TO 7949'. 24', 9.6'/HR. NOTE: MUD LOSS LAST 24 HRS. 352 BBLS. LOSS @ 1730 HRS. 12 BBLS/HR. PUMPED 60 BBL LCM PILL @ 1800 HRS. APPEARS TO HAVE SLOWED LOSS DOWN TO 7 BBLS/HR.
	-				SDTRK1	NOTE: CHANGED MUD SYSTEM OVER TO IMPERMEX (STARCH) TODAY. RUNNING CONVENTIONAL LCM.
05/04/98	18:00 - 03:00	9.00	DIRW	P	SDTRK1	DRILLING FROM 7949' TO 8043', 94', 10.4'/HR.
	03:00 - 05:30	2.50	TRIP	P	SDTRK1	TOH TO UBHO. RUN MWD IN ON SLICK LINE.
	05:30 - 07:00	1.50	TRIP	P	SDTRK1	TIH TO SURVEY.
	07:00 - 07:15	0.25	CIRC	P	SDTRK1	FILL PIPE.
	07:15 - 09:30	2.25	SUR	P	SDTRK1	SURVEY W/MWD.
	09:30 - 12:00	2.50	TRIP	P	SDTRK1	TOH TO UBHO, PULL MWD ON SLICK LINE.
	12:00 - 12:30	0.50	RIGSER	P	SDTRK1	SERVICE RIG.
	12:30 - 14:00	1.50	TRIP	P	SDTRK1	TOH TO CHANGE BHA CONFIGURATION.
	14:00 - 14:30	0.50	TRIP	P	SDTRK1	PICK UP BHA DESIGNED TO HOLD ANGLE.
	14:30 - 17:00	2.50	TRIP	P	SDTRK1	TIH TO WINDOW.
	17:00 - 18:00	1.00	RIGSER	P	SDTRK1	SLIP & CUT DRILLING LINE.
05/05/98	18:00 - 18:30	0.50	RIGSER	P	SDTRK1	SLIP & CUT DRILLING LINE.
	18:30 - 19:00	0.50	RIGSER	P	SDTRK1	REGULAR RIG SERVICE.
	19:00 - 21:00	2.00	REAM	P	SDTRK1	TIH FROM WINDOW, REAM AND BACK REAM LAST 90 FEET TO DROP ANGLE. LAST SURVEY 90.5 DEGREES, PERFERED ANGLE 89 TO 90 DEGREES.
	21:00 - 06:00	9.00	DIRW	P	SDTRK1	DRILLING FROM 8043' TO 8120', 77', 8.5'/HR.
	06:00 - 14:00	8.00	DIRW	P	SDTRK1	DRILLING FROM 8120' TO 8169', 49', 6.1'/HR.
05/06/98	14:00 - 18:00	4.00	TRIP	P	SDTRK1	
	18:00 - 21:30	3.50	TRIP	P	SDTRK1	TIH W/MWD.
	21:30 - 22:00	0.50	REAM	P	SDTRK1	REAM 45' TO BOTTOM,
	22:00 - 23:00	1.00	SUR	P	SDTRK1	SURVEY @ 8075' & 8124'.
	23:00 - 05:00	6.00	LOG	P	SDTRK1	LOGGING.
	05:00 - 06:30	1.50	TRIP	P	SDTRK1	TRIPPING UBHO TO VERTICAL TO PULL UBHO.
	06:30 - 07:45	1.25	WIRELN	P	SDTRK1	PULL MWD TOOLS W/SLICK LINE
	07:45 - 09:00	1.25	TRIP	P	SDTRK1	TRIP IN HOLE TO 8169'
05/07/98	09:00 - 18:00	9.00	DIRW	P	SDTRK1	DRILL FROM 8169' TO 8200', 3FT/HR
	18:00 - 01:00	7.00	DIRW	P	SDTRK1	DRILL FROM 8200' TO 8222', 3FT/HR
	01:00 - 03:30	2.50	CIRC	T	SDTRK1	LOST 40 BBLS MUD, SPOT LCM PILL PULL 2 STANDS, REGAINED RETURNS RUN BACK TO BOTTOM
	03:30 - 06:15	2.75	DIRW	P	SDTRK1	DRILL FROM 8222' TO 8232', 3.5 FT/HR SEEPAGE LOSSES AT 15 BBLS/HR
	06:15 - 10:45	4.50	CIRC	T	SDTRK1	LOST TOTAL RETURNS AT 8232' SPOT LCM PILL, REGAIN PARTIAL RETURNS, PULL 10 STANDS, MIX MUD AND BUILD VOLUME, LET LCM SOAK ON BOTTOM, WORK PIPE, BROKE CIRCULATION HAD FULL RETURNS RUN BACK TO BOTTOM
	10:45 - 18:00	7.25	DIRW	P	SDTRK1	DRILL FROM 8232' TO 8258', 3.5FT/HR SEEPAGE LOSSES APPROX 10 BBLS/HR
05/08/98	18:00 - 05:30	11.50	DIRW	P	SDTRK1	DRILL FROM 8258' TO 8300', 3.6FT/HR
	05:30 - 07:45	2.25	CIRC	T	SDTRK1	LOST 45 BBLS MUD, SPOT LCM PILL PULL 5 STANDS, REGAIN CIRC. RUN BACK TO BOTTOM
	07:45 - 09:15	1.50	DIRW	P	SDTRK1	DRILL FROM 8300' TO 8309', 6 FT/HR
	09:15 - 12:30	3.25	CIRC	T	SDTRK1	LOSSING MUD AT 20 + BBLS/HR SPOT LCM PILL ON BOTTOM

Operations Summary Report

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 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Rig Release:  
 Rig Number:

Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
05/08/98	09:15 - 12:30	3.25	CIRC	T	SDTRK1	PULL 10 STANDS, CIRC. HOLE OFF BOTTOM, BUILD VOLUME RUN BACK TO BOTTOM
05/09/98	12:30 - 18:00	5.50	DIRW	P	SDTRK1	DRILL FROM 8309' TO 8346', 6.7 FT/HR
	18:00 - 06:15	12.25	DIRW	P	SDTRK1	DRILL FROM 8346' TO 8417', 5.8 FT/HR
	06:15 - 07:15	1.00	CIRC	T	SDTRK1	SPOT LCM PILL ON BOTTOM WORK PIPE WITH PUMP OFF LET LCM SOAK ON BOTTOM
05/10/98	07:15 - 18:00	10.75	DIRW	P	SDTRK1	DRILL FROM 8417' TO 8485', 6.3 FT/HR
	18:00 - 19:00	1.00	CIRC	T	SDTRK1	SPOT LCM PILL ON BOTTOM WORK PIPE. LET LCM PILL SOAK
	19:00 - 20:00	1.00	DIRW	P	SDTRK1	DRILL FROM 8485' TO 8495', 10 FT/HR
05/11/98	20:00 - 21:00	1.00	CIRC	T	SDTRK1	SPOT LCM PILL ON BOTTOM WORK PIPE, LET LCM PILL SOAK
	21:00 - 04:30	7.50	DIRW	P	SDTRK1	DRILL FROM 8495' TO 8534', 5.2 FT/HR
	04:30 - 04:45	0.25	CIRC	P	SDTRK1	SPOT LCM PILL ON BOTTOM
	04:45 - 06:15	1.50	TRIP	P	SDTRK1	TRIP OUT TO SHOE
	06:15 - 08:30	2.25	WIRELN	T	SDTRK1	RUN MWD IN ON SLICK LINE UNABLE TO GET TOOL TO SEAT
	08:30 - 10:30	2.00	TRIP	P	SDTRK1	FINISH TRIP OUT OF HOLE FOR BIT
	10:30 - 12:00	1.50	RIGSER	P	SDTRK1	SERVICE RIG AND TOP DRIVE
	12:00 - 13:00	1.00	TRIP	P	SDTRK1	CHANGE OUT BIT AND REAMERS
	13:00 - 17:00	4.00	TRIP	P	SDTRK1	TRIP IN HOLE W/NEW BIT MWD IN PLACE FOR SURVEYS
	17:00 - 18:00	1.00	SUR	P	SDTRK1	SURVEY WITH MWD
05/12/98	18:00 - 18:30	0.50	SUR	P	SDTRK1	SURVEY WITH MWD TOOLS
	18:30 - 19:30	1.00	TRIP	P	SDTRK1	PULL BACK INTO WINDOW TO PULL MWD TOOLS
	19:30 - 20:30	1.00	WIRELN	P	SDTRK1	PULL MWD TOOLS WITH SLICK LINE
	20:30 - 22:30	2.00	CIRC	P	SDTRK1	MIX MUD AND BUILD VOLUME
	22:30 - 00:00	1.50	TRIP	P	SDTRK1	TRIP BACK TO BOTTOM
	00:00 - 07:30	7.50	DIRW	P	SDTRK1	DRILL FROM 8534' TO 8560', 3.5 FT/HR
	07:30 - 08:30	1.00	CIRC	T	SDTRK1	SPOT LCM PILL ON BOTTOM WORK PIPE, LET LCM PILL SOAK
05/13/98	08:30 - 18:00	9.50	DIRW	P	SDTRK1	DRILL FROM 8560' TO 8588', 3 FT/HR
	18:00 - 00:30	6.50	DIRW	P	SDTRK1	DRILL FROM 8588' TO 8608', 3 FT/HR
	00:30 - 02:00	1.50	CIRC	P	SDTRK1	CIRCULATE BOTTOMS UP, CALLED TD BASED ON SAMPLES
	02:00 - 03:30	1.50	TRIP	P	SDTRK1	TOH TO WINDOW
	03:30 - 04:30	1.00	WIRELN	P	SDTRK1	RUN IN MWD TOOLS ON SLICK LINE
	04:30 - 05:15	0.75	TRIP	P	SDTRK1	TRIP BACK TO BOTTOM FOR SURVEY
	05:15 - 06:15	1.00	SUR	P	SDTRK1	SURVEY WITH MWD TOOLS 92 DEG, 125.6 AZ
	06:15 - 07:45	1.50	CIRC	P	SDTRK1	CIRCULATE AND CONDITION HOLE
	07:45 - 12:00	4.25	TRIP	P	SDTRK1	TRIP OUT OF HOLE
	12:00 - 13:30	1.50	TRIP	P	SDTRK1	LAY DOWN MWD TOOLS, MONEL COLLARS AND REAMERS
05/14/98	13:30 - 18:00	4.50	TSTBOP	P	SDTRK1	TEST BOP EQUIPMENT
	18:00 - 20:00	2.00	TSTBOP	P	SDTRK1	TEST BOP EQUIPMENT
	20:00 - 01:00	5.00	TRIP	P	SDTRK1	TRIP IN HOLE WITH BIT
	01:00 - 04:00	3.00	CIRC	P	SDTRK1	CIRCULATE AND CONDITION HOLE NO MUD LOSSES
	04:00 - 07:00	3.00	TRIP	P	SDTRK1	TRIP OUT FOR LOGS
	07:00 - 10:00	3.00	LOG	P	SDTRK1	RIG UP SCHLUMBERGER TO RUN LOGGING TOOLS ON DRILL PIPE
	10:00 - 18:00	8.00	LOG	P	SDTRK1	TRIP IN HOLE WITH LOGGING TOOLS TALLY PIPE GOING IN
05/14/98	18:00 - 00:00	6.00	LOG	P	SDTRK1	LOG OPEN HOLE WITH SCHLUMBERGER ON DRILL PIPE FROM

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Rig Release:  
 Rig Number:  
 Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
05/14/98	18:00 - 00:00	6.00	LOG	P	SDTRK1	8600' UP TO 5620'
	00:00 - 02:00	2.00	TRIP	P	SDTRK1	TRIP OUT WITH LOGGING TOOLS
	02:00 - 03:00	1.00	TRIP	P	SDTRK1	RIG DOWN LOGGING TOOLS
	03:00 - 06:00	3.00	TRIP	P	SDTRK1	TRIP IN HOLE WITH BIT
	06:00 - 09:00	3.00	CIRC	P	SDTRK1	CIRCULATE AND CONDITION HOLE
	09:00 - 11:30	2.50	TRIP	P	SDTRK1	TRIP OUT WITH BIT
	11:30 - 18:00	6.50	MISC	P	SDTRK1	TRIP IN W/3000' OF DRILL PIPE PUMP 12 BBLS 15% HCL TO BOTTOM OF DRILL PIPE, REVERSE ACID OUT TOH W/DRILL PIPE, TIH TO 3000' WITH THE REST OF THE DRILL PIPE, PUMP 12 BBLS 15% HCL TO THE BOTTOM OF THE DRILL PIPE, REVERSE OUT TOH WITH DRILL PIPE DRILL PIPE SHOULD BE CLEAN
05/15/98	18:00 - 19:00	1.00	MISC	P	SDTRK1	PICKEL DRILL PIPE WITH 15% HCL
	19:00 - 20:30	1.50	TRIP	P	SDTRK1	TRIP OUT OF HOLE
	20:30 - 21:00	0.50	RIGSER	P	SDTRK1	SERVICE RIG
	21:00 - 23:30	2.50	TRIP	P	SDTRK1	TRIP IN HOLE WITH BIT
	23:30 - 02:00	2.50	CIRC	P	SDTRK1	CIRCULATE AND CONDITION HOLE
	02:00 - 07:30	5.50	CIRC	T	SDTRK1	STARTED LOSSING MUD AT APPROX 15 BBLS/HR, SPOT LCM PILL ON BOTTOM, WORK PIPE, SPOT SECOND LCM PILL ON BOTTOM, WORK PIPE REGAINED FULL RETURNS LOST TOTAL OF 50 BBLS
	07:30 - 09:00	1.50	TUBMOVP		SDTRK1	TRIP OUT LAY DOWN 3.5" HEAVY WT. TRIP OUT TO 5500'
	09:00 - 13:30	4.50	MISC	P	SDTRK1	CLEAN OUT MUD PITS, TRANSFER 2% KCL WATER TO PITS FROM FRAC TANKS
	13:30 - 14:30	1.00	CIRC	P	SDTRK1	DISPLACE HOLE TO 5500' WITH 2% KCL WATER
	14:30 - 16:00	1.50	TRIP	P	SDTRK1	FINISH TRIP OUT OF HOLE
16:00 - 18:00	2.00	CSG	P	SDTRK1	RIG UP CASING CREW	
05/16/98	18:00 - 21:30	3.50	CSG	P	SDTRK1	PICK UP AND RUN 4.5" N-80 VAM CASING PICK UP AND RUN 89 JTS 4.5" 12.6# N-80 VAM, ECP, PAC VALVE, LINER HANGER AND PACKER
	21:30 - 22:00	0.50	CSG	P	SDTRK1	RIG DOWN CASING CREW
	22:00 - 01:30	3.50	CSG	P	SDTRK1	TRIP IN HOLE WITH LINER TOP OF LINER @ 5090' ECP @ 7806' TO 7816' SHOE @ 7850'
	01:30 - 03:30	2.00	MISC	P	SDTRK1	PICK UP CEMENT HEAD, RIG UP DOWELL TEST LINES TO 2000 PSI
	03:30 - 10:30	7.00	CIRC	T	SDTRK1	RIG UP TO CIRCULATE, LOST RETURNS(APPROX 100 BBLS) REGAIN CIRCULATION AFTER LOADING ANNULAS, PUMP 1st PLUG DID NOT BUMP PLUG, CHECKED DEPTH OF PLUG WITH SLICK LINE, PLUG HUNG UP IN 4.5" LINER, PUMPED MORE 2% KCL WATER AT HIGHER RATE TO MOVE PLUG DOWN HOLE, FINALLY BUMPED PLUG AFTER PUMPING A TOTAL OF 530 BBLS
	10:30 - 11:00	0.50	CIRC	P	SDTRK1	SET PACKER, SET ECP, OPEN PAC VALVE, CIRCULATE PRIOR TO CEMENT
	11:00 - 12:00	1.00	CMPRI	P	SDTRK1	CEMENT LINER WITH 465 SKS35/65 POZ, 2% D-20, .5% D-112, .1% D-153, .2% D-46, .15% D-65, HAD GOOD CIRCULATION AND LIFT PRESSURES BUMPED PLUG AT 12:00 HRS

**Operations Summary Report**

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 Event Name: REN  
 Contractor Name:  
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Start: 04/08/98  
 Rig Release:  
 Rig Number:

Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations	
05/16/98	12:00 - 12:30	0.50	TRIP	P	SDTRK1	PULLED 10 STANDS	
	12:30 - 13:30	1.00	CIRC	P	SDTRK1	REVERSE CIRCULATE 46 BBLS TRACE OF CEMENT TO SURFACE	
	13:30 - 16:00	2.50	TRIP	P	SDTRK1	TRIP OUT OF THE HOLE	
05/17/98	16:00 - 18:00	2.00	WOC	P	SDTRK1	WAIT ON CEMENT	
	18:00 - 00:30	6.50	WOC	P	SDTRK1	WAIT ON CEMENT	
	00:30 - 01:15	0.75	RIGSER	P	SDTRK1	CUT AND SLIP DRILLING LINE	
	01:15 - 02:15	1.00	TRIP	P	SDTRK1	TRIP IN HOLE WITH BIT	
	02:15 - 08:00	5.75	DRLCMT	P	SDTRK1	DRILL CEMENT FROM 4432' TO TOP OF LINER AT 5090' (658')	
	08:00 - 09:00	1.00	CIRC	P	SDTRK1	CIRCULATE HOLE CLEAN	
	09:00 - 09:15	0.25	TSTCSG	P	SDTRK1	PRESSURE TEST CASING TO 1500 PSI	
	09:15 - 10:45	1.50	TRIP	P	SDTRK1	TRIP OUT WITH BIT	
	10:45 - 11:45	1.00	TRIP	P	SDTRK1	PICK UP 3.75" MILL, 1 JT 2.875" TUBING AND CROSS OVER SUB	
	11:45 - 13:30	1.75	TRIP	P	SDTRK1	TRIP IN HOLE WITH 3.75" MILL	
	13:30 - 15:00	1.50	DRLCMT	P	SDTRK1	DRILL 36' OF CEMENT INSIDE TOP OF LINER	
	15:00 - 16:30	1.50	TRIP	P	SDTRK1	TRIP OUT WITH 3.75" MILL	
	16:30 - 18:00	1.50	TRIP	P	SDTRK1	PICK UP POLISH MILL, TRIP IN HOLE TO POLISH LINER TOP FOR TIE BACK SLEEVE	
	05/18/98	18:00 - 20:00	2.00	MILL	P	SDTRK1	POLISH TOP OF LINER WITH POLISH MILL FOR TIEBACK SLEEVE
20:00 - 04:00		8.00	TUBMOVP	P	SDTRK1	RIG UP LAY DOWN TRUCK TRIP OUT AND LAY DOWN 3.5" DRILL PIPE AND POLISH MILL	
04:00 - 10:30		6.50	CSG	P	SDTRK1	RIG UP CASING CREW AND RUN TIEBACK SLEEVE AND 167 JTS 4.5" 12.6# N-80 VAM CASING TO 5090' TOP OF LINER	
10:30 - 10:45		0.25	TSTCSG	P	SDTRK1	PRESSURE TEST TIEBACK SLEEVE TO 1500 PSI FOR 15 MIN	
10:45 - 12:00		1.25	MISC	P	SDTRK1	CLEAN PILL TANK FOR PACKER FLUID	
12:00 - 13:30		1.50	CIRC	P	SDTRK1	LOAD ANNULAS WITH 100 BBLS OF PACKER FLUID	
13:30 - 17:30		4.00	NDBOP	P	SDTRK1	NIPPLE DOWN BOP, SET CASING HANGER IN WELL HEAD	
17:30 - 18:00		0.50	TSTCSG	P	SDTRK1	PRESSURE TEST CASING HANGER AND TIEBACK SLEEVE TO 1500 PSI	
05/19/98		18:00 - 00:00	6.00	NUBOP	P	SDTRK1	INSTALL 4 1/16" WELL HEAD VALVE NIPPLE UP BOP ON TOP OF VALVE
		00:00 - 01:00	1.00	TSTBOP	P	SDTRK1	PRESSURE TEST BOP EQUIPMENT
	01:00 - 03:00	2.00	RIGMOD	P	SDTRK1	CHANGE OUT TOOLS TO HANDLE 2 7/8" DRILL PIPE	
	03:00 - 17:00	14.00	MISC	P	SDTRK1	WAIT ON 2 7/8" DRILL PIPE RECIEVED ORDERS TO GO AHEAD AND RELEASE RIG	
05/20/98	17:00 - 18:00	1.00	RDRIG	P	SDTRK1	RIG DOWN ROTARY TOOLS	
	18:00 - 00:00	6.00	RDRIG	P	SDTRK1	RIG DOWN TOP DRIVE EQUIPMENT	
	00:00 - 06:00	6.00	RDRIG	P	SDTRK1	START RIIGING DOWN ROTARY TOOLS NIPPLE DOWN TO TOP OF ANNULAR RIG RELEASED AT 06:00 HRS 05/20/98	
05/21/98	06:00 - 18:00		RDRIG	P	SDTRK1	RIGGING DOWN DRILLING RIG.	
05/22/98	06:00 - 18:00	12.00	RDRIG	P	SDTRK1	RIGGING DOWN, LOADING OUT.	
05/23/98	06:00 - 18:00	12.00	RDRIG	P	SDTRK1	MOVE OFF DRILLING RIG. DIG FLARE PIT, CLEAN UP LOCATION, INSTALL ANCHORS.	
05/24/98	06:00 - 18:00	12.00	MISC	P	SDTRK1	HAUL IN & UNLOAD 2 7/8"OD DRILLPIPE. HOOK UP CHOKE MANIFOLD, PRESSURE TEST TO 5000 PSI, OK. RIG UP CAMP TRAILER. HAUL IN MATTING BOARDS FOR RIG.	
05/25/98	06:00 - 17:00	11.00	RURIG	P	SDTRK1	RIGGING UP.	
05/26/98	06:00 - 07:00	1.00	MISC	P	SDTRK1	CREW TRAVEL & SAFETY MEETING.	
	07:00 - 07:30	0.50	RIGSER	P	SDTRK1	START EQUIPMENT, WARM ENGINES.	
	07:30 - 13:00	5.50	TUBMOVP	P	SDTRK1	MEASURE TOOLS & PICK UP 2 7/8"OD DRILLPIPE, TAG CEMENT @	

**Operations Summary Report**

Legal Well Name: CHAMPLIN 372 C#1  
 Common Well Name: CHAMPLIN 372 C#1  
 Event Name: REN  
 Contractor Name:  
 Rig Name:

Start: 04/08/98  
 Rig Release:  
 Rig Number:

Spud Date:  
 End:  
 Group:

Date	From - To	Hours	Activity	Code	Phase	Description of Operations
05/26/98	07:30 - 13:00	5.50	TUBMOVP		SDTRK1	5106.29' KB MEASURE.
	13:00 - 17:30	4.50	DRLCMT	P	SDTRK1	RIG UP SWIVEL, DRILL 93' CEMENT.
	17:30 - 18:00	0.50	TRIP	P	SDTRK1	TIH 4 JOINTS. NO CEMENT.
	18:00 - 18:30	0.50	CIRC	P	SDTRK1	CIRCULATE BOTTOM UP.
	18:30 - 19:30	1.00	MISC	P	SDTRK1	CREW TRAVEL TIME.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER SIDETRACK

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Ch 372 Amoco "C"**

9. WELL NO.

**#1 ST #1**

10. FIELD AND POOL, OR WILDCAT

**Anschutz Ranch**

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

**Sec.23-T4N-R7E**

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIST. RESVR.  OTHER

2. NAME OF OPERATOR

**Amoco Production Company**

3. ADDRESS OF OPERATOR

**P.O. Box 800, Denver, CO 80202**

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

At surface  
**860' FNL X 536' FWL NW/4 NW/\$**

At top prod. interval reported below  
**BH=2642' FNL X 2766' FWL NW/4 SE/4**

At total depth

14. API NO.  
**43-043-30143**

DATE ISSUED

12. COUNTY  
**Summit**

13. STATE  
**UT**

15. DATE SPUNDED  
**04/10/1998**

16. DATE T.D. REACHED  
**05/13/1998**

17. DATE COMPL. (Ready to prod. or Plug & Abd.)  
**06/03/1998**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)  
**7001'**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
**8,608' 6,649'**

21. PLUG BACK TD, MD & TVD  
**6152'**

22. IF MULTIPLE COMPL., HOW MANY

23. INTERVALS DRILLED AT  
**→**

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD & TVD)

**7,849.30' - 8,608'**

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

**CNDL GR AIT CL**

27. WAS WELL CORED YES  NO  (Submit analysis)

DRILL STEM TEST YES  NO  (See reverse side)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT POLLED
9 5/8"	32.3# 1-40	1518'		From original hole	
7"	23 & 26#	7300.25		From original hole	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	5,107'	7849'	465sks35/65poz		4.5"		5090'
4	10,834'	12,266'					

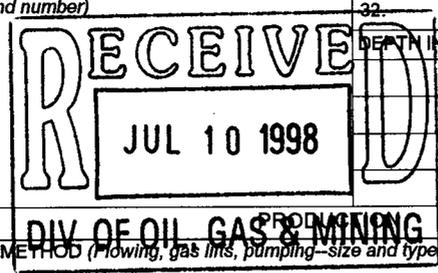
30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

**OPEN HOLE - 7849.30' - 8608'**

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED



33. DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lifts, pumping--size and type of pump) WELL STATUS (Producing or shut-in)

**06/17/1998 Flowing Producing**

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD OIL--BBL GAS--MCF WATER--BBL GAS-OIL RATIO

**06/03/1998 7 38/64 → 0 15.352 MCF 0**

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

**1750 0 → 0 15.352 MCF 0**

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

**SOLD**

35 LIST OF ATTACHMENTS

**Deviation Summary, Wellbore Diagram**

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

13. Signature: G. G. Munting Title: **Permit Agent** Date: **07/08/1998**

## **DRILLED FOOTAGE CALCULATION FOR DIRECTIONAL AND HORIZONTAL WELLS**

Unit, Well Name: Anchutz Ranch, Champlain 372 Amoco C, #1 ST #1  
Operator: Amoco Production Company  
API Well #: 43-043-30143  
Well Completion: Horizontal, Producer, 1 Lateral

First leg description:		Lateral #1
Kick Off Point	MD	5600.00
End of Leg	MD	8608.00
	Footage drilled:	3008.00
Max. TVD Recorded		6671.56

<b>Total Footage Drilled (MD):</b>	<b>3008.00</b>
<b>Deepest point (TVD):</b>	<b>6671.56</b>



## Champlin 372 C-1 ST #1

Summit County, Utah

## CERTIFIED SURVEY DATA

	<i>MD</i> <i>Feet</i>	<i>INC</i> <i>Deg</i>	<i>AZ</i> <i>Deg</i>	<i>TVD</i> <i>Feet</i>	<i>LAT</i> <i>N/S</i>	<i>DEP</i> <i>E/W</i>	<i>VS</i> <i>Feet</i>	<i>DLS</i> <i>Deg</i>
<i>Tie in</i>	5600.00	21.08	126.53	5513.30	-272.56	351.82	444.93	
	5634.00	23.20	126.50	5544.79	-280.18	362.12	457.73	6.24
	5665.00	25.00	126.00	5573.09	-287.67	372.33	470.38	5.84
	5696.00	25.10	127.70	5601.17	-295.54	382.83	483.49	2.34
	5727.00	27.15	130.00	5629.00	-304.11	393.45	497.14	7.37
	5758.00	28.09	123.70	5656.48	-312.70	404.94	511.48	9.89
	5790.00	28.17	124.20	5684.70	-321.13	417.46	526.51	0.78
	5822.00	28.90	122.70	5712.81	-329.55	430.21	541.72	3.20
	5853.00	29.92	121.30	5739.82	-337.62	443.12	556.83	3.97
	5885.00	32.40	122.60	5767.20	-346.38	457.17	573.26	8.03
	5916.00	33.70	123.40	5793.18	-355.59	471.34	590.07	4.42
	5948.00	34.89	124.90	5819.62	-365.72	486.26	608.03	4.56
	5979.00	36.00	125.50	5844.87	-376.08	500.95	625.97	3.75
	6011.00	37.50	126.50	5870.51	-387.34	516.44	645.09	5.05
	6042.00	39.00	125.50	5894.86	-398.61	531.97	664.25	5.23
	6074.00	40.90	123.40	5919.39	-410.23	548.91	684.73	7.28
	6105.00	42.40	120.60	5942.55	-421.14	566.38	705.17	7.71
	6136.00	43.10	119.20	5965.32	-431.63	584.62	725.94	3.81
	6167.00	44.90	117.80	5987.62	-441.90	603.55	747.11	6.60
	6199.00	46.60	118.50	6009.94	-452.71	623.76	769.62	5.54
	6231.00	49.00	120.60	6031.44	-464.41	644.37	792.99	8.94
	6263.00	51.50	120.60	6051.90	-476.93	665.55	817.33	7.81
	6294.00	53.60	120.60	6070.75	-489.46	686.73	841.67	6.77
	6326.00	56.30	120.60	6089.12	-502.79	709.28	867.58	8.44
	6358.00	58.80	120.60	6106.29	-516.54	732.52	894.29	7.81
	6389.00	60.20	120.60	6122.03	-530.13	755.51	920.71	4.52
	6420.00	59.10	121.30	6137.69	-543.89	778.45	947.19	4.05
	6451.00	57.50	122.00	6153.98	-557.73	800.90	973.35	5.51
	6482.00	58.30	123.40	6170.45	-571.92	823.00	999.44	4.61
	6514.00	61.21	123.80	6186.57	-587.21	846.02	1026.96	9.16
	6546.00	63.10	122.70	6201.52	-602.72	869.68	1055.11	6.64
	6577.00	63.90	123.80	6215.35	-617.94	892.88	1082.71	4.09
	6608.00	64.40	123.40	6228.86	-633.37	916.12	1110.48	1.99
	6635.00	64.20	125.50	6240.57	-647.14	936.18	1134.73	7.05
	6666.00	63.10	125.50	6254.33	-663.27	958.80	1162.45	3.55
	6698.00	62.60	125.50	6268.94	-679.80	981.98	1190.87	1.56

*Amoco Production Company*  
*Champlin 372 C-1 ST #1*  
*Completed Survey Results*



## Champlin 372 C-1 ST #1

Summit County, Utah

## CERTIFIED SURVEY DATA

<i>MD</i>	<i>INC</i>	<i>AZ</i>	<i>TVD</i>	<i>LAT</i>	<i>DEP</i>	<i>VS</i>	<i>DLS</i>
<i>Feet</i>	<i>Deg</i>	<i>Deg</i>	<i>Feet</i>	<i>N/S</i>	<i>E/W</i>	<i>Feet</i>	<i>Deg</i>
6729.00	62.40	125.50	6283.25	-695.77	1004.36	1218.32	0.65
6761.00	62.10	126.30	6298.15	-712.37	1027.30	1246.60	2.40
6792.00	62.20	126.20	6312.63	-728.58	1049.41	1273.97	0.43
6824.00	62.80	126.30	6327.41	-745.37	1072.30	1302.32	1.90
6855.00	63.05	125.00	6341.52	-761.45	1094.73	1329.88	3.82
6887.00	63.20	124.80	6355.98	-777.78	1118.14	1358.34	0.73
6918.00	62.60	124.80	6370.11	-793.53	1140.80	1385.87	1.94
6949.00	61.30	124.10	6384.68	-809.01	1163.36	1413.13	4.64
6980.00	60.20	124.10	6399.83	-824.17	1185.75	1440.08	3.55
7012.00	60.88	124.40	6415.57	-839.86	1208.78	1467.85	2.28
7041.00	61.00	124.10	6429.65	-854.12	1229.74	1493.11	0.99
7073.00	62.10	123.40	6444.90	-869.75	1253.13	1521.12	3.94
7104.00	64.00	123.40	6458.95	-884.96	1276.20	1548.62	6.13
7136.00	63.50	122.70	6473.10	-900.62	1300.26	1577.16	2.51
7167.00	62.70	123.40	6487.13	-915.69	1323.43	1604.65	3.27
7199.00	61.60	123.40	6502.08	-931.27	1347.05	1632.81	3.44
7229.00	62.00	123.40	6516.25	-945.82	1369.12	1659.12	1.33
7261.00	62.90	123.70	6531.05	-961.50	1392.77	1687.36	2.93
7292.00	64.40	124.10	6544.81	-976.99	1415.82	1715.03	4.97
7323.00	66.80	125.30	6557.62	-993.07	1439.03	1743.17	8.51
7354.00	69.70	126.20	6569.10	-1009.89	1462.39	1771.92	9.74
7385.00	73.12	125.90	6578.98	-1027.18	1486.14	1801.25	11.07
7417.00	75.30	124.80	6587.69	-1044.99	1511.26	1831.98	7.57
7444.00	77.40	125.50	6594.06	-1060.09	1532.71	1858.16	8.18
7475.00	78.30	124.10	6600.59	-1077.39	1557.60	1888.38	5.28
7507.00	78.61	125.00	6606.99	-1095.17	1583.42	1919.63	2.92
7538.00	78.90	124.80	6613.04	-1112.57	1608.35	1949.96	1.13
7569.00	79.00	124.10	6618.98	-1129.78	1633.44	1980.28	2.24
7600.00	79.72	124.10	6624.70	-1146.86	1658.67	2010.64	2.32
7631.00	80.20	122.70	6630.11	-1163.66	1684.16	2041.01	4.71
7662.00	80.80	122.60	6635.22	-1180.16	1709.90	2071.40	1.96
7694.00	80.75	122.40	6640.35	-1197.13	1736.54	2102.78	0.64
7726.00	80.20	122.70	6645.65	-1214.11	1763.14	2134.13	1.95
7757.00	80.30	122.70	6650.90	-1230.61	1788.85	2164.50	0.32
7788.00	81.80	123.40	6655.72	-1247.31	1814.52	2194.95	5.33
7893.00	85.46	122.50	6667.37	-1304.06	1902.07	2298.69	3.59

*Amoco Production Company*  
*Champlin 372 C-1 ST #1*  
*Completed Survey Results*



Champlin 372 C-1 ST #1

Summit County, Utah

CERTIFIED SURVEY DATA

<i>MD</i>	<i>INC</i>	<i>AZ</i>	<i>TVD</i>	<i>LAT</i>	<i>DEP</i>	<i>VS</i>	<i>DLS</i>
<i>Feet</i>	<i>Deg</i>	<i>Deg</i>	<i>Feet</i>	<i>N/S</i>	<i>E/W</i>	<i>Feet</i>	<i>Deg</i>
8012.00	90.50	122.80	6671.56	-1368.20	2002.17	2416.84	4.24
8075.00	92.10	124.40	6670.13	-1403.05	2054.63	2479.54	3.59
8124.00	91.89	125.60	6668.43	-1431.14	2094.74	2528.38	2.48
8230.00	92.40	126.30	6664.46	-1493.32	2180.49	2634.15	0.82
8325.00	92.50	126.70	6660.40	-1549.78	2256.79	2728.97	0.43
8421.00	92.70	127.90	6656.04	-1607.89	2333.07	2824.83	1.27
8489.00	93.10	128.80	6652.60	-1650.03	2386.33	2892.73	1.45
8562.00	92.00	125.60	6649.36	-1694.12	2444.41	2965.61	4.63
Proj. 8608.00	91.08	123.76	6648.12	-1720.28	2482.22	3011.46	4.47

*Vertical Section Calculated on a Azimuth of 129.05 Degrees  
 Vertical Section Relative to Wellhead  
 Minimum Curvature Calculation Method*

*Amoco Production Company  
 Champlin 372 C-1 ST #1  
 Completed Survey Results*



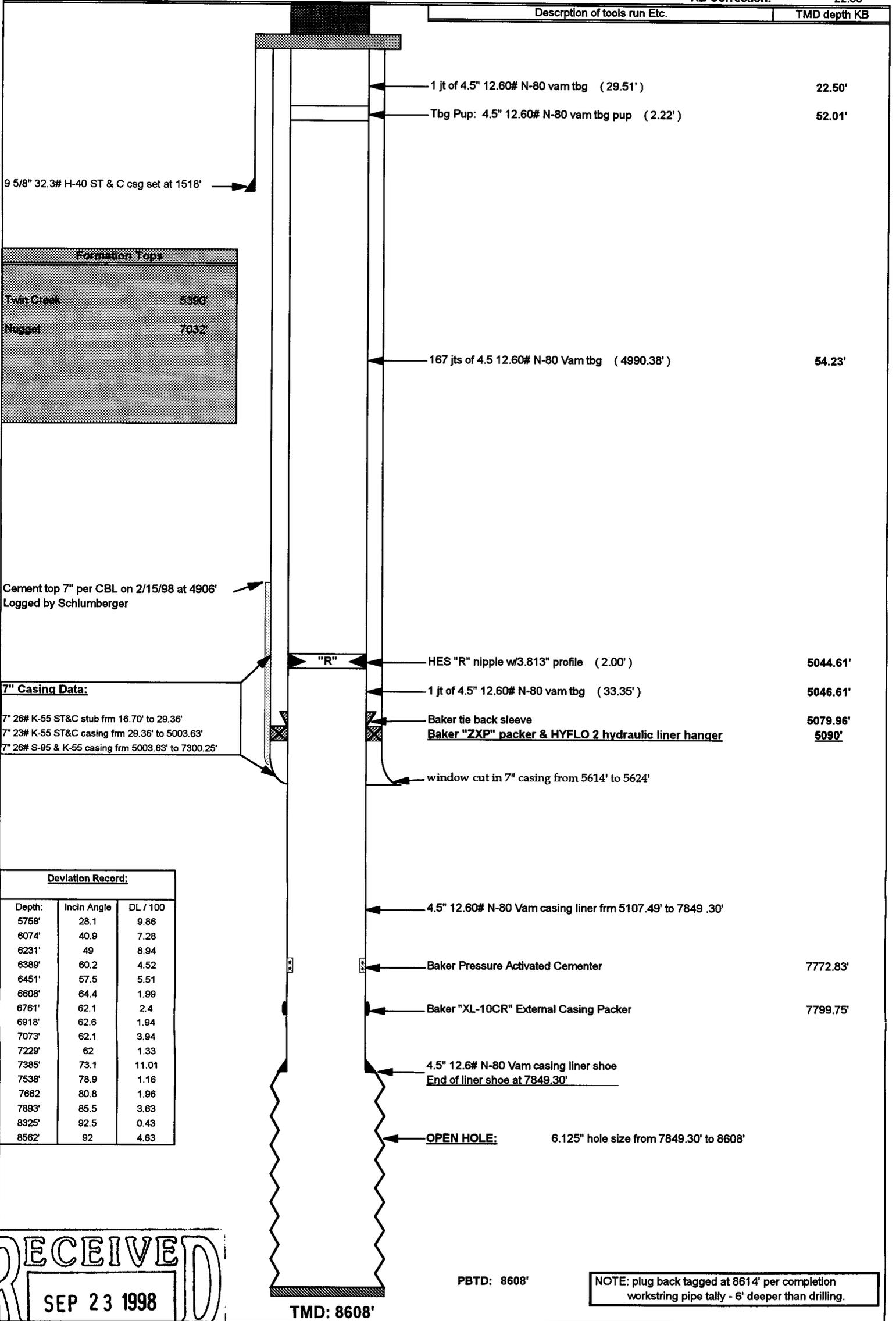
**AMOCO PRODUCTION CO.**  
 UPDATED: 06/07/88  
 Submitted by: V. Griffin

**SIDETRACK**  
**Open Hole Nugget Completion**

**WELLBORE DIAGRAM**

Field: Anschutz Ranch  
 Well: Champlin 372 "C" 1 ST #1  
 SEC: 23 TWP: 4N RGE: 7E

KB Correction: 22.50'



Formation Tops	
Twin Creek	5390'
Nugget	7032'

Cement top 7" per CBL on 2/15/98 at 4906'  
 Logged by Schlumberger

**7" Casing Data:**

7" 26# K-55 ST&C stub frm 16.70' to 29.36'  
 7" 23# K-55 ST&C casing frm 29.36' to 5003.63'  
 7" 26# S-95 & K-55 casing frm 5003.63' to 7300.25'

Deviation Record:		
Depth:	Inclin Angle	DL / 100
5758'	28.1	9.86
6074'	40.9	7.28
6231'	49	8.94
6389'	60.2	4.52
6451'	57.5	5.51
6608'	64.4	1.99
6761'	62.1	2.4
6918'	62.6	1.94
7073'	62.1	3.94
7229'	62	1.33
7385'	73.1	11.01
7538'	78.9	1.16
7662'	80.8	1.96
7893'	85.5	3.63
8325'	92.5	0.43
8562'	92	4.63

PBTD: 8608'

NOTE: plug back tagged at 8614' per completion  
 workstring pipe tally - 6' deeper than drilling.

TMD: 8608'

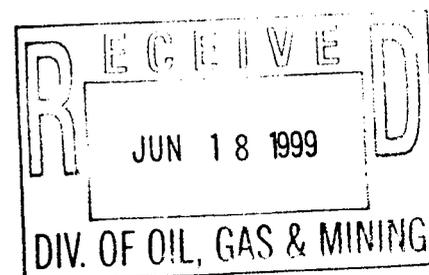
**RECEIVED**  
 SEP 23 1998  
 DIV. OF OIL, GAS & MINING

# BP Amoco



## FACSIMILE TRANSMISSION

<b>To:</b> State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801  Attn: Mr. Robert J. Krueger	<b>From:</b>  Craig Wiggs BP Amoco Exploration Western U.S. Gas Business Unit P.O. Box 3092 Houston, Texas 77253-3092  Telephone: 281-366-5486 Reply Fax: 281-366-7937
Fax No.: 801-359-3940	No. of Pages Including Cover: 3
Date: June 14, 1999	



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i:\vathaway.doc

**Craig L. Wiggs**  
ARE/Painter Resource Manager  
Western U.S. Gas Business Unit

**BP Amoco**



**BP Amoco Exploration**  
501 WestLake Park Boulevard  
Houston, Texas 77079  
Telephone: (281) 366-5486  
Facsimile: (281) 366-7937

June 14, 1999

**FAXED**  
6/14/99

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, UT 84114-5801

Attn: Mr. Robert J. Krueger

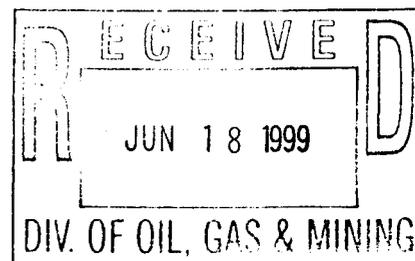
**Re: Shut-in and Temporarily Abandoned Wells Compliance Review**

Dear Sir,

BP Amoco is in receipt of your letter dated February 23, 1999 concerning 4 shut-in or temporarily abandoned wells in the state of Utah. Apparently this letter was lost during the closure of our Denver office and the move to Houston. I apologize for the late reply. A short summary of the status of each well follows:

Island Ranching Well D1 (API #43-043-30161): This well was drilled in 1982 and discovered to have relatively low volumes of sour gas. BP Amoco have been holding the well to see if adequate volumes of sour gas can be found in the area to justify installation of a sour gas pipeline to a sour gas plant. Anschutz Corporation have been actively exploring in the area, and BP Amoco have recently farmed out acreage in the vicinity of this well to the Anschutz Corporation. BP Amoco are investigating the timing of any recent wellbore integrity tests and will submit the necessary Sundry Notice as required to ensure compliance for this wellbore.

Champlin 458 (API #43-043-30130): This well appears to have been permanently or temporarily abandoned. BP Amoco are investigating our files and will ensure the proper paperwork has been completed to abandon this well.



Mr. Robert J. Krueger  
State of Utah - Department of Natural Resources  
Division of Oil, Gas, and Mining  
Page two -

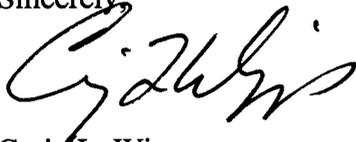
Champlin 372 C1 (API #43-043-30143): This well was sidetracked in 1998, and has been producing recently into the Questar pipeline system. The well does produce with a relatively high nitrogen content, and is periodically shut-in due to pipeline constraints. BP Amoco plan to route this well into the Anschutz Ranch East NGL/NRU Plant in 1999 to remove the nitrogen and produce the well on a continuous basis.

TPC State 23-36-14-24 (API #43-047-32593): This well was sold by Amoco, and it is currently owned and operated by Ratomco in Billings, MT.

Given our recent move to Houston, Texas and the merger of BP and Amoco, we have a number of new personnel and filing systems. Once all details are determined concerning the Island Ranching D1 and Champlin 458 wells, proper sundries will be forwarded to your office.

If you have any further questions or comments concerning these wells, please contact me at 281-366-5486 in Houston.

Sincerely,



Craig L. Wiggs

CLW:bh



October 26, 1998

43-043-30143

Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

Attn: Carol Daniels

Footage's Champlin 372 Amoco C1 ST1

This letter is to confirm that the footage should be 860' FNL x 536' FWL. The reason for the change is back in 1980 when the well was completed the section lines and cornerstones were not found. Then in 1981 Amoco hired Uinta Engineering to go I and resurvey the field to get everything in the right and proper perspective so when we went back into the wellbore we were on the proper section lines and cornerstones which led us to the new footage's.

If you have any questions you may call Clark Lawler at (307) 783-2406 with Amoco.

Sincerely,

Gigi Martinez  
Amoco Production Company

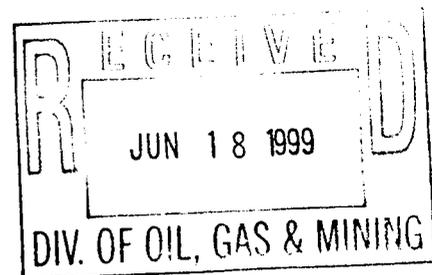
Post-it® Fax Note	7671	Date	10/9/98	# of pages	1
To	Carol Daniels	From	Gigi Martinez		
Co./Dept.	Utah State Office	Co.	Amoco		
Phone #		Phone #	(303) 830-4781		
Fax #	801-359-3940	Fax #			

# BP Amoco



## FACSIMILE TRANSMISSION

<p>To:</p> <p>State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801</p> <p>Attn: Mr. Robert J. Krueger</p> <p>Fax No.: 801-359-3940</p>	<p>From:</p> <p>Craig Wiggs BP Amoco Exploration Western U.S. Gas Business Unit P.O. Box 3092 Houston, Texas 77253-3092</p> <p>Telephone: 281-366-5486 Reply Fax: 281-366-7937</p>
<p>Date: June 14, 1999</p>	<p>No. of Pages Including Cover: 3</p>



This communication is intended for the use of the party to which it is addressed and may contain information that is privileged or confidential under applicable law. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is not permitted. If you have received this communication in error, please notify us immediately and then destroy this communication. Thank you.

i:\hathaway.doc

**BP Amoco**



**Craig L. Wiggs**  
ARE/Painter Resource Manager  
Western U.S. Gas Business Unit

**BP Amoco Exploration**  
501 WestLake Park Boulevard  
Houston, Texas 77079  
Telephone: (281) 366-5486  
Facsimile: (281) 366-7937

June 14, 1999

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, UT 84114-5801

Attn: Mr. Robert J. Krueger

**Re: Shut-in and Temporarily Abandoned Wells Compliance Review**

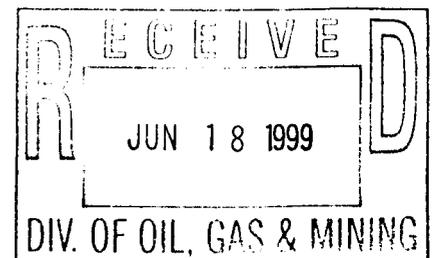
Dear Sir,

BP Amoco is in receipt of your letter dated February 23, 1999 concerning 4 shut-in or temporarily abandoned wells in the state of Utah. Apparently this letter was lost during the closure of our Denver office and the move to Houston. I apologize for the late reply. A short summary of the status of each well follows:

Island Ranching Well D1 (API #43-043-30161): This well was drilled in 1982 and discovered to have relatively low volumes of sour gas. BP Amoco have been holding the well to see if adequate volumes of sour gas can be found in the area to justify installation of a sour gas pipeline to a sour gas plant. Anschutz Corporation have been actively exploring in the area, and BP Amoco have recently farmed out acreage in the vicinity of this well to the Anschutz Corporation. BP Amoco are investigating the timing of any recent wellbore integrity tests and will submit the necessary Sundry Notice as required to ensure compliance for this wellbore.

Champlin 458 (API #43-043-30130): This well appears to have been permanently or temporarily abandoned. BP Amoco are investigating our files and will ensure the proper paperwork has been completed to abandon this well.

43.043.30143  
**FAXED**  
6/14/99



Mr. Robert J. Krueger  
State of Utah - Department of Natural Resources  
Division of Oil, Gas, and Mining  
Page two -

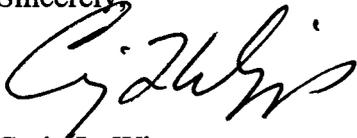
Champlin 372 C1 (API #43-043-30143): This well was sidetracked in 1998, and has been producing recently into the Questar pipeline system. The well does produce with a relatively high nitrogen content, and is periodically shut-in due to pipeline constraints. BP Amoco plan to route this well into the Anschutz Ranch East NGL/NRU Plant in 1999 to remove the nitrogen and produce the well on a continuous basis.

TPC State 23-36-14-24 (API #43-047-32593): This well was sold by Amoco, and it is currently owned and operated by Ratomco in Billings, MT.

Given our recent move to Houston, Texas and the merger of BP and Amoco, we have a number of new personnel and filing systems. Once all details are determined concerning the Island Ranching D1 and Champlin 458 wells, proper sundries will be forwarded to your office.

If you have any further questions or comments concerning these wells, please contact me at 281-366-5486 in Houston.

Sincerely,



Craig L. Wiggs

CLW:bh

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

FORM 9

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

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

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

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Amoco Production Company proposes to change its name to BP America Production Company, effective December 31, 2001. Mailing addresses and designated agents shall remain the same.  
 Attached to this sundry is a listing of wells currently operated by Amoco Production Company. This list includes all wells with the exception of those wells which have a plugged or D&A status.  
 Also attached for the Board's file is a copy of the Board Resolution approving the name change.

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

(This space for State use only)

**RECEIVED**

DEC 13 2001

DIVISION OF  
OIL, GAS AND MINING

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

**CERTIFICATE**

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

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

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

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

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

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

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

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



WHEREAS all officers and directors of Company will remain unchanged.

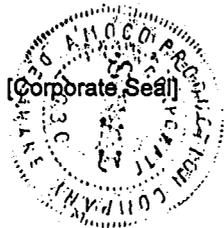
NOW, THEREFORE, BE IT,

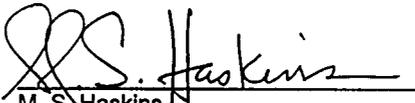
RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

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

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

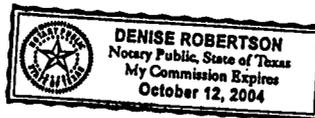
EXECUTED In the City of Houston, State of Texas, on this the 13 day of November, 2001.



  
M. S. Haskins

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

(Notary Seal)



  
NOTARY PUBLIC, STATE OF TEXAS

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











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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>Champlin 372 C-1</b>	
2. NAME OF OPERATOR: <b>Amoco Production Company</b>		9. API NUMBER: <b>4304330143</b>
3. ADDRESS OF OPERATOR: <b>P.O. Box 3092</b> CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77253-3092</b>	PHONE NUMBER: <b>(281) 366-5798</b>	10. FIELD AND POOL, OR WILDCAT: <b>Anschutz Ranch</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>860' FNL x 536' FWL</b>		COUNTY: <b>Summit</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 23 4N 7E S</b>		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>3/2/2001</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input checked="" type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The Champlin 372 C-1 well was logging off due to high water rates. The 3-1/2" tubing string was pulled. A small hole in the casing at 3615' was repaired with a casing patch. The casing was then tested to 1000 psig to ensure integrity. A 4.5" liner was run to the sidetrack liner top and a 2-3/8" tubing string and ECP were inserted into the horizontal open-hole section of the well in order to increase velocity and reduce water influx (see attached wellbore diagram for details).

NAME (PLEASE PRINT) <u>Jon Lowe</u>	TITLE <u>Production Engineer</u>
SIGNATURE	DATE <u>2/28/02</u>

(This space for State use only)

RECEIVED

Ingram Cactus 11" 3M by 7" 5M w/R2 bottom & 6" bowl  
tbg spool (7" 26# csg stub landed in slips)

9 5/8" 32 3# H-40 ST & C csg set at 1518'

**NOTE: HOLE IN CSG at 3612'**  
(Casing patch set from 3582' to 3635')

Note: Casing pressure tested from 0-3600'  
to 1000 psig 2/16/01 - passed

2-3/8" 4.7# EUE 8md Tubing

Annulus pressure tested to 1000 psig (2/27/2001)

4-1/2" 12 60# Tubing run to surface  
New Vam Beveled Couplings

4-1/2" Liner Top with BPR  
Cemented in place at 5090'

Cement top 7" per CBL on 2/15/98  
logged by Schlumberger at 4906' + -

Whipstock at 5600' MD (5513' TVD)

Inflatable packer  
8320' MD

Openhole

ECP 7750' MD

Shoe 7850' MD

TD = 8608' MD  
6648' TVD

**NOTE:**

Twin Creek & Nugget squeezed off as follows,  
2/12/98 pumped 410 sx "G" + additives no pressure  
2/13/98 pumped 100 sx "G" neat & 200 sx "G" + additives  
no pressure  
2/14/98 pumped 50sx 10-0 RFC and obtain 1150 psi squeeze  
2/14/98 pump 20 sx "G" for topout cmt cap on top of retainer

7" 26# S-95 & K-55 casing - 2296 62'

MIN ID	MAX OD
--------	--------

Cement cap at 6018 22' - tagged via tbg

Halliburton Model "HCS" cement retainer  
(set via tbg - Bottom at 6054.11')

5.5"	6051.98'
------	----------

Cut off 2 3/8" 4.7# N-80 CS hydril tbg

1.901"	2.375"	6071'
--------	--------	-------

X-Over: 2 3/8" CS to 2 3/8" 8rd

1.901"	3.062"	6089.49'
--------	--------	----------

Spacer tube

1.901"	2.375"	6090.29'
--------	--------	----------

Baker model A-5 dual packer

1.901"	6.093"	<b>6092.81'</b>
--------	--------	-----------------

Spacer tube

1.901"	2.375"	6098.13'
--------	--------	----------

X-Over: 2 3/8" to 2 3/8" 10rd to 8rd

1.901"	2.875"	6099.43'
--------	--------	----------

X-Over: 2 3/8" to 2 7/8" 8rd

1.901"	3.00"	6099.75'
--------	-------	----------

Perf'd tubing: 4 shots (4 spf)

1.901"	3.00"	6103.57'
--------	-------	----------

29 jts of 2 7/8" 6.5# 8rd tbg

2.441"	3.668"	6100.07'
--------	--------	----------

Tbg collars: 3.668" - Tube: 2.875"

Twin Creek Perfs:  
6155' thru 6980'

Baker Model "F" nipple

1.87"	3.6875"	6994.86'
-------	---------	----------

1 jt of 2 7/8" 6.5# 8rd tbg

2.441"	3.668"	6995.87'
--------	--------	----------

Baker model G-22 locator assembly

2.406"	3.46875"	7023.95'
--------	----------	----------

Baker model "retrieva D" packer

3.25"	6.093"	<b>7025'</b>
-------	--------	--------------

Baker model 80-32 seal assembly

2.406"	2.688"	7036.66'
--------	--------	----------

X-Over: 2 3/8" 10rd BX by BX

1.906"	3.062"	7037.09'
--------	--------	----------

X-Over: 2 3/8" NU to EU

1.906"	3.062"	7037.46'
--------	--------	----------

1 jt of 2 3/8" EU 8rd

1.901"	3.062"	7069.12'
--------	--------	----------

Baker model "R" nipple

1.760"	2.92"	7069.89'
--------	-------	----------

Mule shoe collar

1.901"	2.92"	7071.21'
--------	-------	----------

Nugget Perfs:  
7056' thru 7098'

FISH: 2 3/8" tbg (25')

Prod Casing:  
7" 23# & 26# at 7300.25'

**PBTD:**

TD: 7300.25'

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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: NA
		7. UNIT or CA AGREEMENT NAME: ANSCHUTZ RANCH EAST
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: CHAMPLIN 372 AMOCO C 1	
2. NAME OF OPERATOR: BP AMERICA PRODUCTION COMPANY SUITE A	9. API NUMBER: 4304330143	
3. ADDRESS OF OPERATOR: 1013 CHEYENNE DR. CITY EVANSTON STATE WY ZIP 82930	PHONE NUMBER: (303) 423-5749	10. FIELD AND POOL, OR WILDCAT: ANSCHUTZ RANCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 860 FNL X 536 FWL		COUNTY: SUMMIT
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 23 4N 7E		STATE: UTAH

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

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

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

The Champlin 372 Amoco C 1 is shut in and has not been plugged and abandoned due to potential for sidetrack or deep drill. BP's plan is to hold these wells in a Temporarily Abandoned status until this potential is verified or eliminated. Upon elimination of potential, the wells will be plugged and abandoned. As for mechanical integrity: These wells all have packers installed and casing pressure is monitored by our field personnel. The wellhead valves are also on a regular PM for greasing and testing.

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

COPY SENT TO OPERATOR  
DATE: 11-19-03  
INITIALS: CHD

RECEIVED  
MAR 27 2003

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

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

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

(This space for State use only)

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

Well Name and Number: Champlin 372 AMOCO C1  
API Number: 43-043-30143  
Operator: Merit Energy Company  
Reference Document: Original Sundry dated March 17, 2003, received by  
DOGM on March 27, 2003

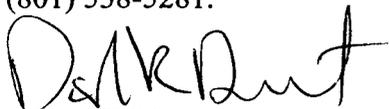
The well has been Shut-in/Temporarily Abandoned for 1 year 9 months. Insufficient information was submitted to the Division to approve the referenced well for continued Shut-in or Temporary Abandonment (SI/TA). The following requirements of R649-3-36 have not been met with this request for SI/TA approval.

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

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

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

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



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

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

\_\_\_\_\_  
Date

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
7. UNIT or CA AGREEMENT NAME:  
See Attached  
8. WELL NAME and NUMBER:  
See Attached  
9. API NUMBER:  
Attached  
10. FIELD AND POOL, OR WILDCAT:  
See Attached

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER See Attached

2. NAME OF OPERATOR:  
BP America Production Company

3. ADDRESS OF OPERATOR:  
501 WestLake Park Blv CITY Houston STATE TX ZIP 77079 PHONE NUMBER: (281) 366-2000

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"/> 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. Dicum Title V.P.

Signature [Signature] Date 7/1/03

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

SIGNATURE [Signature] DATE 6/26/03

(This space for State use only)

RECEIVED  
JUL 03 2003

BP OPERATED PROPERTIES TRANSFERRED TO MERIT ENERGY COMPANY

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Location (Twp-Rng)	Section	Qtr/Qtr	Ft. NS	NS	Ft. EW	EW
43-043-30096-00-00	BP AMERICA PRODUCTION CO	ARE W16-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		16 NWSW	2137	S	686	W
43-043-30106-00-00	BP AMERICA PRODUCTION CO	ARE 34-2	Water Disposal	Active Well	ANSCHUTZ RANCH	SUMMIT	4N-7E		34 NWNW	1036	N	1100	W
43-043-30123-00-00	BP AMERICA PRODUCTION CO	ARE W20-08	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		20 SENE	2202	N	1592	E
43-043-30129-00-00	BP AMERICA PRODUCTION CO	ARE 29-04ST1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		29 NWNW	627	N	435	W
43-043-30130-00-00	BP AMERICA PRODUCTION CO	ARE E21-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		21 NWSW	2365	S	200	W
43-043-30135-00-00	BP AMERICA PRODUCTION CO	ARE W21-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		21 NWNW	1063	N	401	W
43-043-30136-00-00	BP AMERICA PRODUCTION CO	ARE W29-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	SUMMIT	4N-8E		29 NWNE	662	N	2480	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



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:**

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

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

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

August 26, 2003

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

Subject: Notification of Sale or Transfer of Fee Lease Interest

Dear Mr. Williams:

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

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

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

Utah Royalty Owners Association  
PO Box 1292  
Roosevelt, Utah 84066

Your assistance in this matter is appreciated.

Sincerely,

*Earlene Russell*  
Earlene Russell  
Engineering Technician

Attachment

cc: Merit Energy Company  
Utah Royalty Owners Association



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

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

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

Dear Mr. Taylor:

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

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

Page 2  
January 22, 2004  
Lance Taylor

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

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

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

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File

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

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

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



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

January 22, 2004

CERTIFIED MAIL #7002 0510 0003 8602 4798

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

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

Dear Mr. Taylor:

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

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

Page 2  
January 22, 2004  
Lance Taylor

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

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

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

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File

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

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

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



Date: February 13, 2004

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

Dear Mr. Doucet:

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

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

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

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

Regards,



Lance L. Taylor  
Operations Engineer

Cc: Rusty Ginnetti  
Arlene Valliquette  
Dennis Longwell

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

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

Mr. Dworshak,

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

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

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

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

Regards,

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



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

MICHAEL O. LEAVITT  
*Governor*

OLENE S. WALKER  
*Lieutenant Governor*

March 5, 2004

CERTIFIED RETURN RECEIPT NO. 7002 0510 0003 8602 4880

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

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

Dear Mr. Taylor,

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

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

Sincerely,

Dustin Doucet  
Petroleum Engineer

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

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

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



MERIT ENERGY COMPANY

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13727 Noel Road · Suite 500 · Dallas, Texas 75240  
Ph 972.701.8377 · Fx 972.960.1252 · [www.meritenergy.com](http://www.meritenergy.com)

January 7, 2005

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

Dear Mr. Doucet:

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

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

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

Sincerely,

Michael L. Mercer  
Engineering

# UTAH DOGM – SI WELL LIST

## Wells to be Reactivated in 2005

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

## UTAH DOGM – SI WELL LIST

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

### Wells with No Immediate Plans

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

## UTAH DOGM – SI WELL LIST

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

**WELL DIAGRAM**

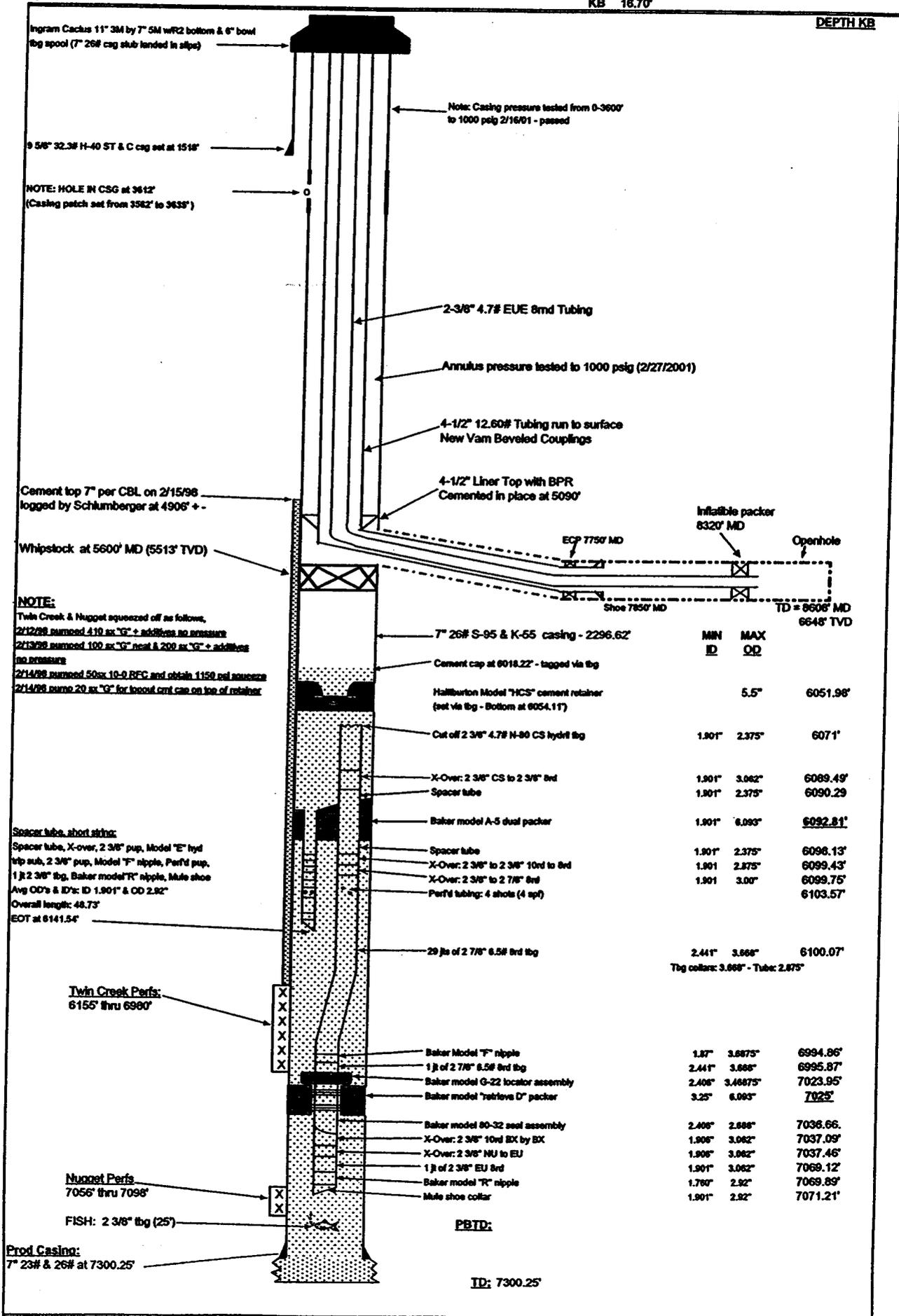
Field: **Wenschütz Ranch**

Well: **CH 372 C #1**

SEC: 23 TWP: 4N RGE: 7E

KB 16.70'

DEPTH KB



**NOTE:**  
 Twin Creek & Nugget squeezed off as follows:  
 2/12/98 pumped 410 cc "G" + additives no pressure  
 2/13/98 pumped 100 cc "G" neat & 200 cc "G" + additives  
 no pressure  
 2/14/98 pumped 50cc 10-0 RFG and obtain 1150 psi pressure  
 2/14/98 pump 20 cc "G" for locust cml case on top of retainer

**Spacer tube, short string:**  
 Spacer tube, X-over, 2 3/8" pup, Model "E" hyd  
 trip sub, 2 3/8" pup, Model "F" nipple, Perf'd pup,  
 1 lb 2 3/8" tlg, Baker model "R" nipple, Mule shoe  
 Avg OD's & ID's: ID 1.901" & OD 2.92"  
 Overall length: 48.73'  
 EOT at 6141.54'

	MIN ID	MAX OD	DEPTH
7" 26# S-95 & K-65 casing - 2296.62'			
Cement cap at 6018.22' - tagged via tlg			
Halliburton Model "HCS" cement retainer (set via tlg - Bottom at 6054.11')		5.5"	6051.96'
Cut off 2 3/8" 4.7# N-80 CS hydril tlg	1.901"	2.375"	6071'
X-Over: 2 3/8" CS to 2 3/8" 8rd	1.901"	3.062"	6089.49'
Spacer tube	1.901"	2.375"	6090.29'
Baker model A-5 dual packer	1.901"	6.093"	6092.81'
Spacer tube	1.901"	2.375"	6096.13'
X-Over: 2 3/8" to 2 3/8" 10rd to 8rd	1.901"	2.875"	6099.43'
X-Over: 2 3/8" to 2 7/8" 8rd	1.901"	3.00"	6099.75'
Perf'd tubing: 4 shots (4 spf)			6103.57'
29 lbs of 2 7/8" 6.5# 8rd tlg	2.441"	3.668"	6100.07'
Tlg collar: 3.668" - Tube: 2.875"			
Baker Model "F" nipple	1.87"	3.6875"	6994.86'
1 lb of 2 7/8" 6.5# 8rd tlg	2.441"	3.668"	6995.87'
Baker model G-22 locator assembly	2.406"	3.46875"	7023.95'
Baker model "retrieva D" packer	3.25"	6.093"	7025'
Baker model 80-32 seal assembly	2.406"	2.888"	7036.66'
X-Over: 2 3/8" 10rd BX by BX	1.906"	3.062"	7037.09'
X-Over: 2 3/8" NU to EU	1.906"	3.062"	7037.46'
1 lb of 2 3/8" EU 8rd	1.901"	3.062"	7069.12'
Baker model "R" nipple	1.760"	2.92"	7069.89'
Mule shoe collar	1.901"	2.92"	7071.21'

**PBTD:**  
**ID: 7300.25'**

# MERIT ENERGY COMPANY

## Anschutz Ranch East Unit

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

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

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

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# MERIT ENERGY COMPANY

## Anschutz Ranch East Unit

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

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

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

Champlin 372 → Pressure from 0 to 1250 psi (tubing) No FL Perfs @ 6648' 22' BHP

ARE# W36-14 → Pressure from 1500 to 0  
Perfs pressure from 2200 to 400 FLE 4066' RECEIVED BHP = 3420 psi (132 psi surf)  
Grad = 0.0867 psi/ft

ARE# W16-14 → Tbg from 0 to 1500 psi  
Csg remained @ ± 850 psi FLE 600' parts @ 2816 BHP = 4570 psi Grad = 0.0867 psi/ft

ARE# W17-16 → Tbg from 1100 to 0  
FL from 4000' to 8400' FLE 4000' parts @ 13806 BHP = 4734 psi Grad = 0.315 psi/ft  
FL @ 8400' Grad = 0.690 psi/ft

FEB-20-2004  
DIV. OF OIL, GAS & MINING

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

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

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

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

Thanks

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

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

Mike,

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

Dustin

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

Dustin,

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

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

Let me know if you need anything else. Thanks

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

"Dustin Doucet"

<dustindoucet@uta

h.gov>

To

<mike.mercer@meritenergy.com>

02/16/2005 04:04

cc

PM

Subject

SI/TA integrity questions

Mike,

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

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

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

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

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

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

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

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

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

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

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

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

we can discuss or respond via email. Thanks.

Dustin

Dustin Doucet  
Petroleum Engineer



November 10, 2004

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

Dear Mr. Doucet:

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

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

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

“Co-production”

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

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

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

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

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Capillary Strings

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

Gas Lift

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

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

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

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

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

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

Sincerely,



Michael L. Mercer  
Operations Engineering



## MERIT ENERGY COMPANY

---

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

Date: February 13, 2004

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

Dear Mr. Doucet:

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

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

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

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

Regards,



Lance L. Taylor  
Operations Engineer

Cc: Rusty Ginnetti  
Arlene Valliquette  
Dennis Longwell

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

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

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

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

## UTAH DOGM – SI WELL LIST

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



## State of Utah

### Department of Natural Resources

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas & Mining

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 8, 2005

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

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

Dear Mr. Mercer:

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

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

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

Page 2  
Merit Energy Company  
April 8, 2005

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

Sincerely,

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

Dustin Doucet  
Petroleum Engineer

DKD:jc  
Attachment  
cc: Well File

# ATTACHMENT A

*4N 7E 23*

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



**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

**Division of Oil, Gas and Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

August 26, 2008

CERTIFIED MAIL NO. 7004 2510 0004 1824 6053

Mr. Michael Mercer  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, TX 75240

43 043 30143  
Champlin 372 Amoco C1  
4N 7E 23

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

Dear Mr. Mercer:

As of July 2008, Merit Energy Company has fifteen (15) Fee Lease Wells that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status (see attachment A). All wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

On January 22, 2004 the Division notified Merit by certified mail 24 wells were on the SI/TA list. Merit responded by letters of February 13, 2004, November 10, 2004, and January 5, 2005, with evaluation plans for each of the 24 wells. By the time an extension of SI/TA status was granted to Merit by the Division on April 8, 2005, six of the original 24 wells had been returned to production.

To date, 10 of the original 24 wells remain as SI/TA. Two wells were producing briefly in 2005 but have since returned to SI/TA status. These wells are listed as number 8 and number 10 on Attachment A. Two additional wells (ARE W36-08 API# 43-043-30167 & ARE 29-04 ST1 API# 43-043-30129) were producing briefly for 3 months in 2007, but are now showing as SI, and will soon be added to this list.

Five (5) new wells have been added to the current list. These are the wells numbered 11 through 15 on Attachment A



Page 2  
August 26, 2008  
Mr. Mercer

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

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

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

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

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

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

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

JP/js  
Attachment  
cc: Well File  
Operator Compliance File

## ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive
1	CHAMPLIN 387 B1A	43-043-30168	Fee	14 Years 3 Months
2	ARE W16-12	43-043-30231	Fee	12 Years 11 Months
3	ARE W16-14	43-043-30096	Fee	12 Years 9 Months
4	ARE W31-12	43-043-30190	Fee	11 Years 11 Months
5	ARE W31-04E	43-043-30165	Fee	5 Years 10 Months
6	CHAMPLIN 372 AMOCO C 1	43-043-30143	Fee	6 Years 8 Months
7	ARE W16-06	43-043-30138	Fee	3 Years 1 Month
8	ARE W20-06	43-043-30159	Fee	2 Years 10 Months
9	ARE W17-16	43-043-30176	Fee	1 Year 9 Months
10	ARE W20-02	43-043-30228	Fee	2 Years 0 Months
<b>Newly Added</b>				
11	ARE W20-12	43-043-30220	Fee	2 Years 3 Months
12	ARE W31-06	43-043-30217	Fee	1 Year 5 Months
13	ARE W31-08	43-043-30164	Fee	1 Year 6 Months
14	ARE W36-16	43-043-30157	Fee	1 Year 3 Months
15	ARE E28-06	43-043-30226	Fee	1 Year 1 Month



State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

January 21, 2009

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

Handwritten notes: 43 043 30143, Champ/in 372 Amoco C1, 4N 7E 23

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated August 26, 2008.

Dear Mr. Tunnell:

The Division of Oil, Gas and Mining (the Division) is in receipt of your letter dated October 17, 2008 in regards to the fifteen (15) shut-in or temporarily abandoned (SI/TA) Fee Lease Wells (Attachment A) operated by Merit Energy Company (Merit).

The Division does not object to the proposed work on the said wells. Several of the wells listed look as though they may have integrity. However, due to insufficient evidence the Division is unable to grant extended SI/TA status for these wells. Not enough data was received per R649-3-36 providing proof of integrity or lengths of time wells are expected to be shut-in. The Divisions preferred method of demonstrating well integrity is to perform an MIT. Please submit the necessary information to bring these wells back into compliance. Please note, approval will be necessary prior to continuing with the planned work for these wells.

Please submit an individual sundry for each well along with required information to help expedite approval and documentation processes. If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Handwritten signature of Dustin K. Doucet

Dustin K. Doucet
Petroleum Engineer

DKD/JP/js
Enclosure
cc: Well Files
Compliance File
N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA



## ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive
1	CHAMPLIN 387 B1A	43-043-30168	Fee	14 Years 3 Months
2	ARE W16-12	43-043-30231	Fee	12 Years 11 Months
3	ARE W16-14	43-043-30096	Fee	12 Years 9 Months
4	ARE W31-12	43-043-30190	Fee	11 Years 11 Months
5	ARE W31-04E	43-043-30165	Fee	5 Years 10 Months
6	CHAMPLIN 372 AMOCO C 1	43-043-30143	Fee	6 Years 8 Months
7	ARE W16-06	43-043-30138	Fee	3 Years 1 Month
8	ARE W20-06	43-043-30159	Fee	2 Years 10 Months
9	ARE W17-16	43-043-30176	Fee	1 Year 9 Months
10	ARE W20-02	43-043-30228	Fee	2 Years 0 Months
11	ARE W20-12	43-043-30220	Fee	2 Years 3 Months
12	ARE W31-06	43-043-30217	Fee	1 Year 5 Months
13	ARE W31-08	43-043-30164	Fee	1 Year 6 Months
14	ARE W36-16	43-043-30157	Fee	1 Year 3 Months
15	ARE E28-06	43-043-30226	Fee	1 Year 1 Month



MERIT ENERGY COMPANY

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13727 Noel Road · Suite 500 · Dallas, Texas 75240  
Ph 972.701.8377 · Fx 972.960.1252 · [www.meritenergy.com](http://www.meritenergy.com)

October 17, 2008

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

Dear Mr. Doucet:

In response to your letter dated August 26, 2008, I would like to submit the attached supporting documentation regarding our extended shut-in wells.

Enclosed, please find a summary sheet with Merit Energy Company's future plans for each of the wells listed in your letter, a sheet with explanations and supporting data showing each well's integrity, as well as wellbore diagrams for the subject wells.

If you have any questions or wish to discuss this further, please contact me at (972) 628-1084 or electronically at [nick.tunnell@meritenergy.com](mailto:nick.tunnell@meritenergy.com).

Sincerely,

Nicholas R. Tunnell  
Operations Engineer  
Merit Energy Company

## UTAH DOGM – SI WELL LIST

Last work	Integrity	Comp 2004	
	NP	✓	<ul style="list-style-type: none"> <li>• <b>CHAMPLIN 387 B1A</b> – Plan to P&amp;A well in March 2009 due to availability of rig. <i>Bridge broken, missing valves</i></li> </ul>
5/95	OK	✓	<ul style="list-style-type: none"> <li>• <b>ARE W16-12</b> – Plan to run slickline to verify PBTD, swab test Nugget to evaluate potential, if unsuccessful, will attempt a Twin Creek completion.</li> </ul>
	?	✓	<ul style="list-style-type: none"> <li>• <b>ARE W16-14</b> – Plan to run slickline to verify PBTD, swab test Nugget to evaluate potential, if unsuccessful, will attempt a Twin Creek completion.</li> </ul>
1/04		✓	<ul style="list-style-type: none"> <li>• <b>ARE W31-12</b> – Plan to swab test the Nugget, if unsuccessful, will attempt a Twin Creek completion.</li> </ul>
1/99	✓	✓	<ul style="list-style-type: none"> <li>• <b>ARE W31-04</b> – Plan to swab test Nugget, if unsuccessful, will attempt a Twin Creek completion.</li> </ul>
2001	OK	✓	<ul style="list-style-type: none"> <li>• <b>CHAMPLIN 372 C1</b> – Swabbed in October 2004. Swab results were encouraging. There are no production facilities or flowlines in place. Merit is in the process of trying to buy a flowline in the area to tie into, at which point Merit will attempt to reactivate the well in the Nugget or attempt a Twin Creek completion. <i>4 1/2" liner run after patch?</i></li> </ul>
2001		✓	<ul style="list-style-type: none"> <li>• <b>ARE W16-06</b> – Ran ESP in the well, unsuccessful due to water volumes, will attempt a Twin Creek completion. <i>1 string</i></li> </ul>
2004	OK	✓	<ul style="list-style-type: none"> <li>• <b>ARE W20-06</b> – Tested upper zone of Nugget in 2004, unsuccessful, plan to drill out cement &amp; CIBP and produce lower zone.</li> </ul>
		✓	<ul style="list-style-type: none"> <li>• <b>ARE W17-16</b> – SI due to availability of gas lift gas, gas is available, plan to kick well off with gas lift, if unsuccessful, will attempt a Twin Creek completion.</li> </ul>
2001		✓	<ul style="list-style-type: none"> <li>• <b>ARE W20-02</b> – Installed conventional gas lift, unsuccessful, plan to run survey to evaluate reverse gas lift potential, if unsuccessful, will attempt Twin Creek completion.</li> </ul>
2003			<ul style="list-style-type: none"> <li>• <b>ARE W20-12</b> – Installed conventional gas lift, cycling gas, plan to run survey to evaluate reverse gas lift potential, if unsuccessful, will attempt Twin Creek completion.</li> </ul>
2004	OK		<ul style="list-style-type: none"> <li>• <b>ARE W31-06</b> – Plan to install reverse gas lift to reactivate well, if unsuccessful, will attempt Twin Creek completion. <i>2 strings</i></li> </ul>
	NP		<ul style="list-style-type: none"> <li>• <b>ARE W31-08</b> – Rig on location, squeezed off casing leak, drilling out cement, plan to install reverse gas lift to reactivate well, if unsuccessful, will attempt Twin Creek completion. <i>titespot @ 10416 (2001)</i></li> </ul>
	✓		<ul style="list-style-type: none"> <li>• <b>ARE W36-16</b> – Coil tubing gas lift design in the well, plan to pull the coil tubing and install reverse gas lift to reactivate well, if unsuccessful, will attempt Twin Creek completion. <i>titespot @ 11095' to 11099' 2 strings</i></li> </ul>
2005	OK		<ul style="list-style-type: none"> <li>• <b>ARE W28-06</b> – Collapsed casing at 12,678', will attempt a Twin Creek completion. <i>collapse @ 12678 2 strings</i></li> </ul>

# UTAH DOGM – SI WELL LIST

## Wells to be Reactivated in 2009

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             | Tubg [129      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------|
| • ARE W16-12                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             |                |
| ○ Packer at                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10,304                      | 2007 0 0       |
| ○ Top of cement (TOC) at                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10,100 (9-5/8" casing)      | insp 2006 0 0  |
| ○ Tubing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50#                         | 2005 0 130     |
| ○ Casing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0#                          | 2004 100 0     |
| ○ The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.                                                                                                                                                                                                                                                                           |                             | 2003 0 0       |
| • ARE W16-14                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             | 2007 0 NA      |
| ○ Packer (PBR) at                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10,500                      | 2006 0 NA      |
| ○ Top of cement (TOC) at                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9,650 (9-5/8" casing)       | 2005 0 NA      |
| ○ Tubing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1650#                       | 2004 1500 250  |
| ○ Casing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 850#                        | 2003 100 0     |
| ○ The tubing is tied into the 4-1/2" liner with a PBR at 10,500. This is below the TOC for the 9-5/8" casing string. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.                                                                                                                                                                                             |                             | 1990 4600 1575 |
| • ARE W31-12                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             | 2007 NA NA     |
| ○ Packer at                                                                                                                                                                                                                                                                                                                                                                                                                                                            | none                        | 2006 NA NA     |
| ○ Top of cement (TOC) at                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10,700                      | 2005 NA NA     |
| ○ Casing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100#                        | 2004 NA NA     |
| ○ Fluid Level                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1000' from Surface          | 2003 490 0     |
| ○ There is not a packer or tubing in this well. The static fluid level is 1000' from surface. There is a 13-3/8" casing string set at 2846', a 9-5/8" casing string set at 10272', and a 7" tie-back casing string set at 9919'. These three casing strings are protecting the ground waters.                                                                                                                                                                          |                             |                |
| • ARE W31-04                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             | 2007 30 20     |
| ○ Packer at                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14,000                      | 2006 150 0     |
| ○ Top of cement (TOC) at                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11,900                      | 2005 150 30    |
| ○ Tubing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000#                       | 2004 1200 25   |
| ○ Casing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0#                          | 2003 0 0       |
| ○ This well is a horizontal sidetrack. The primary cement job on the original production casing had a TOC at 11,900. The kick-off point for the horizontal leg is below this depth. Additionally, the drill string was cemented in the horizontal section with the TOC estimated to be between 13126 and 13310. Based on the fact that the tubing and casing pressures are different, the two are not in communication and therefore, the ground waters are protected. |                             |                |
| • CHAMPLIN 372 C1                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             | 2007 0 0       |
| ○ Packer at                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8,320 (MD)      6,648 (TVD) | 2006 600 0     |
| ○ Top of cement (TOC) at                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4,906                       | 2005 0 0       |
| ○ Tubing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0#                          | 2004 0 0       |
| ○ Casing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0#                          | 2003 0 0       |
| ○ The 4-1/2" liner is cemented in place at 5090 (below the TOC).                                                                                                                                                                                                                                                                                                                                                                                                       |                             |                |
| • ARE W16-06                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             | 2007 NA NA     |
| ○ Packer at                                                                                                                                                                                                                                                                                                                                                                                                                                                            | none                        | 2006 NA NA     |
| ○ Top of cement (TOC) at                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12,640                      | 2004 NA NA     |
| ○ Casing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0#                          | 2003 0 0       |
| ○ When Merit set a packer in October 2004, we pressure tested the annulus to 500 psi and it held. Therefore, the casing has integrity and the ground waters are protected.                                                                                                                                                                                                                                                                                             |                             |                |
| • ARE W20-06                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                             | 2007 120 100   |
| ○ Packer at                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12,858'                     | 2006 220 250   |
| ○ Top of cement (TOC) at                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9,650' (9-5/8" casing)      | 2005 350 350   |
| ○ Tubing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0#                          | 2004 NA 0      |
| ○ Casing Pressure                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0#                          | 2003 0 0       |
| ○ When Merit set the packer in June 2004, we pressure tested the annulus to 500 psi and it held. There is a 13-3/8" casing string set at 5411', a 9-5/8" casing string set at 11330',                                                                                                                                                                                                                                                                                  |                             |                |

# UTAH DOGM – SI WELL LIST

and a 7" tie-back casing string set at 10079'. These three casing strings are protecting the ground waters.

- ARE W17-16
 

○ Packer	13,747'	2007	1180	1300
○ Top of cement (TOC) at	10,371' (7-5/8" casing)	2006	0	1100
○ Tubing Pressure	78#	2005	0	80
○ Casing Pressure	53#	2004	0	0
		2003	0	0

○ There is a 13-3/8" casing string set at 2526', a 9-5/8" casing string set at 10701', and a 7" tie-back casing string set at 10237'. These three casing strings are protecting the ground waters.
- ARE W20-02
 

○ Packer at	12,646'	2007	464	500
○ Top of cement (TOC) at	8,910' (7" casing)	2006	150	1200
○ Tubing Pressure	384#	2005	100	1150
○ Casing Pressure	310#	2004	0	1000
		2003	0	0
		1990	5500	0

○ There is a 13-3/8" casing string set at 5140', a 9-5/8" casing string set at 10934', and a 7" casing string set at 13928'. These three casing strings are protecting the ground waters.
- ARE W20-12
 

○ Packer at	12,863'	2007	435	1050
○ Top of cement (TOC) at	10,372' (9-5/8" casing)	2005	NA	680
○ Tubing Pressure	912#	2004	180	800
○ Casing Pressure	930#	2003	0	0

○ There is a 13-3/8" casing string set at 5362', a 9-5/8" casing string set at 11245', and a 7" tie-back casing string set at 10109'. These three casing strings are protecting the ground waters.
- ARE W31-06
 

○ Packer at	10284'	2007	0	NA
○ Top of cement (TOC) at	9996' (7" casing)	2006	250	NA
○ Tubing Pressure	0#	2005	0	425
○ Casing Pressure	0#	2004	110	940
		2003	200	920

○ There is a 13-3/8" casing string set at 2301', a 9-5/8" casing string set at 10689', and a 7" casing string set at 14033'. These three casing strings are protecting the ground waters.
- ARE W36-16
 

○ Packer (PBR) at	10,680	2007	1200	0
○ Top of cement (TOC) at	10,172 (7" casing)	2006	250	0
○ Tubing Pressure	1357#	2005	500	100
○ Casing Pressure	0#	2004	250	0
		2003	180	0

○ The packer is located below the TOC. The tubing pressure and casing pressure are different. Therefore, the casing and tubing are not in communication and the ground waters are protected.
- ARE E28-06
 

○ Packer at	none	2007	NA	0
○ Top of cement (TOC) at	11,900' (7" casing)	2005	0	0
○ Tubing Pressure	0#	2004	180	0
○ Casing Pressure	0#	2003	200	1350

○ There is a 13-3/8" casing string set at 3988', a 9-5/8" casing string set at 12990', and a 7" tie-back casing string set at 12313'. These three casing strings are protecting the ground waters.

ARE W31-08

2007	1220	NA
2005	0	0
2004	NA	0
2003	180	0







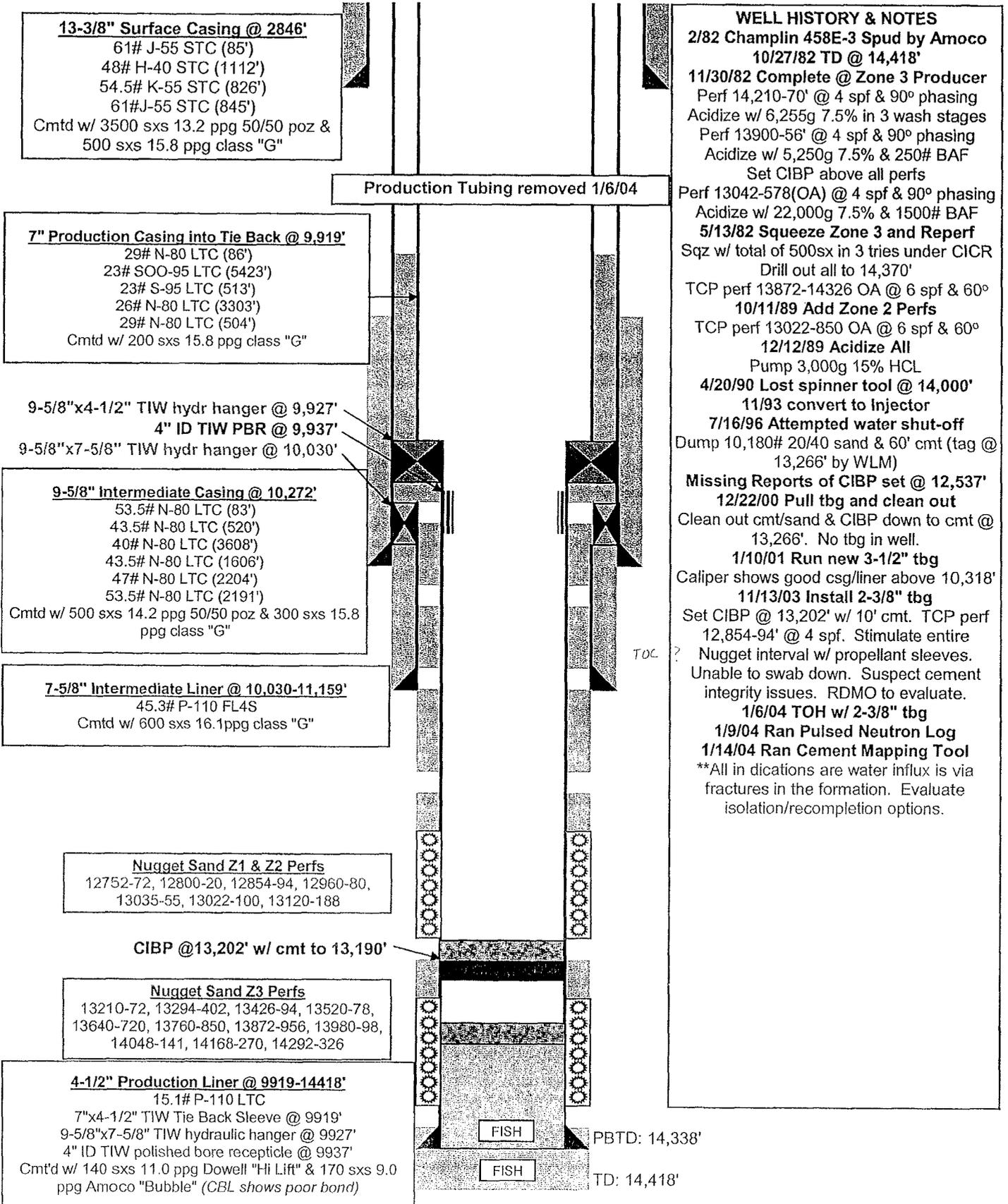
# ANSCHUTZ RANCH EAST UNIT W31-12

Summit County, Utah

Location: 640' FWL & 1778' FNL Sec 31-T4N-R8E

Elevation: 7870' GL/ 7890' KB

Last Updated by LLT 2/12/2004



**13-3/8" Surface Casing @ 2846'**  
 61# J-55 STC (85')  
 48# H-40 STC (1112')  
 54.5# K-55 STC (826')  
 61# J-55 STC (845')  
 Cmt'd w/ 3500 sxs 13.2 ppg 50/50 poz & 500 sxs 15.8 ppg class "G"

**WELL HISTORY & NOTES**  
 2/82 Champlin 458E-3 Spud by Amoco  
 10/27/82 TD @ 14,418'  
 11/30/82 Complete @ Zone 3 Producer  
 Perf 14,210-70' @ 4 spf & 90° phasing  
 Acidize w/ 6,255g 7.5% in 3 wash stages  
 Perf 13900-56' @ 4 spf & 90° phasing  
 Acidize w/ 5,250g 7.5% & 250# BAF  
 Set CIBP above all perfs  
 Perf 13042-578(OA) @ 4 spf & 90° phasing  
 Acidize w/ 22,000g 7.5% & 1500# BAF  
 5/13/82 Squeeze Zone 3 and Reperf  
 Sqz w/ total of 500sxs in 3 tries under CICR  
 Drill out all to 14,370'  
 TCP perf 13872-14326 OA @ 6 spf & 60°  
 10/11/89 Add Zone 2 Perfs  
 TCP perf 13022-850 OA @ 6 spf & 60°  
 12/12/89 Acidize All  
 Pump 3,000g 15% HCL  
 4/20/90 Lost spinner tool @ 14,000'  
 11/93 convert to injector  
 7/16/96 Attempted water shut-off  
 Dump 10,180# 20/40 sand & 60' cmt (tag @ 13,266' by WLM)  
 Missing Reports of CIBP set @ 12,537'  
 12/22/00 Pull tbq and clean out  
 Clean out cmt/sand & CIBP down to cmt @ 13,266'. No tbq in well.  
 1/10/01 Run new 3-1/2" tbq  
 Caliper shows good csg/liner above 10,318'  
 11/13/03 Install 2-3/8" tbq  
 Set CIBP @ 13,202' w/ 10' cmt. TCP perf 12,854-94' @ 4 spf. Stimulate entire Nugget interval w/ propellant sleeves. Unable to swab down. Suspect cement integrity issues. RDMO to evaluate.  
 1/6/04 TOH w/ 2-3/8" tbq  
 1/9/04 Ran Pulsed Neutron Log  
 1/14/04 Ran Cement Mapping Tool  
 \*\*All in dications are water influx is via fractures in the formation. Evaluate isolation/recompletion options.

**7" Production Casing into Tie Back @ 9,919'**  
 29# N-80 LTC (86')  
 23# SOO-95 LTC (5423')  
 23# S-95 LTC (513')  
 26# N-80 LTC (3303')  
 29# N-80 LTC (504')  
 Cmt'd w/ 200 sxs 15.8 ppg class "G"

9-5/8"x4-1/2" TIW hydr hanger @ 9,927'  
 4" ID TIW PBR @ 9,937'  
 9-5/8"x7-5/8" TIW hydr hanger @ 10,030'

**9-5/8" Intermediate Casing @ 10,272'**  
 53.5# N-80 LTC (83')  
 43.5# N-80 LTC (520')  
 40# N-80 LTC (3608')  
 43.5# N-80 LTC (1606')  
 47# N-80 LTC (2204')  
 53.5# N-80 LTC (2191')  
 Cmt'd w/ 500 sxs 14.2 ppg 50/50 poz & 300 sxs 15.8 ppg class "G"

**7-5/8" Intermediate Liner @ 10,030-11,159'**  
 45.3# P-110 FL4S  
 Cmt'd w/ 600 sxs 16.1 ppg class "G"

**Nugget Sand Z1 & Z2 Perfs**  
 12752-72, 12800-20, 12854-94, 12960-80,  
 13035-55, 13022-100, 13120-188

CIBP @ 13,202' w/ cmt to 13,190'

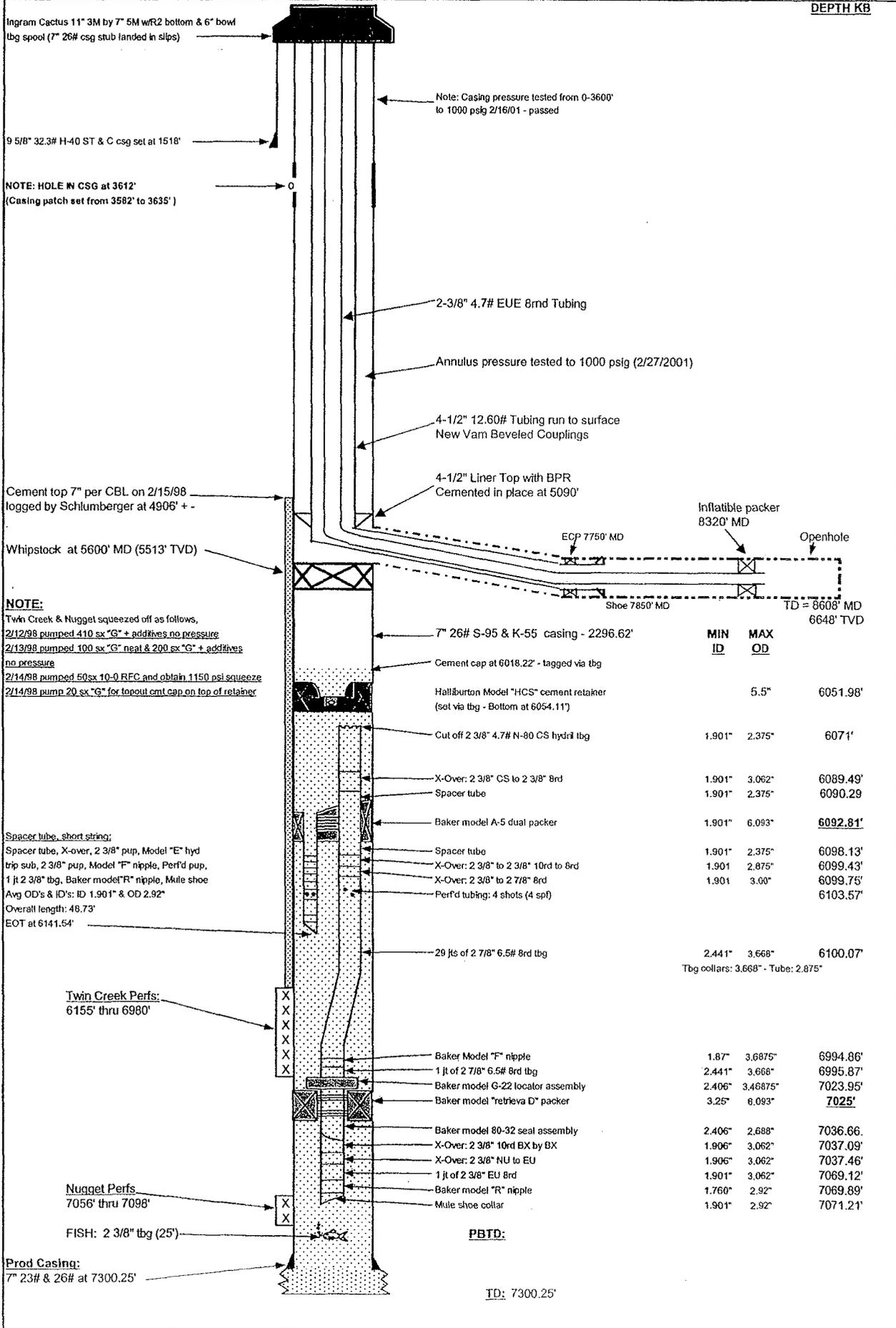
**Nugget Sand Z3 Perfs**  
 13210-72, 13294-402, 13426-94, 13520-78,  
 13640-720, 13760-850, 13872-956, 13980-98,  
 14048-141, 14168-270, 14292-326

**4-1/2" Production Liner @ 9919-14418'**  
 15.1# P-110 LTC  
 7"x4-1/2" TIW Tie Back Sleeve @ 9919'  
 9-5/8"x7-5/8" TIW hydraulic hanger @ 9927'  
 4" ID TIW polished bore recepticle @ 9937'  
 Cmt'd w/ 140 sxs 11.0 ppg Dowell "Hi Lift" & 170 sxs 9.0 ppg Amoco "Bubble" (CBL shows poor bond)

PBSD: 14,338'  
 TD: 14,418'









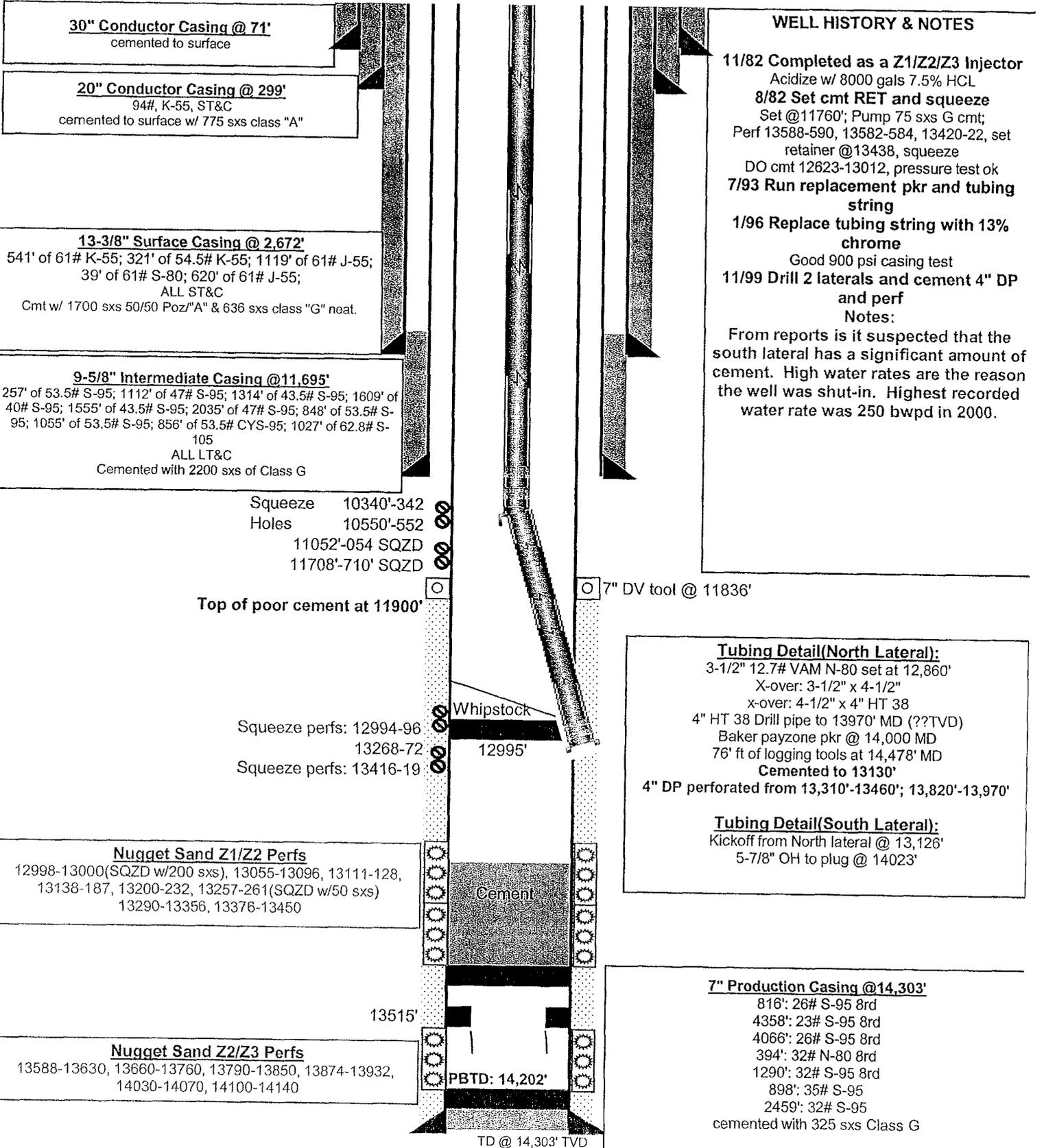
# ANSCHUTZ RANCH EAST UNIT W31-04

Summit County, Utah

Location: 731' FWL & 87' FNL Sec 31-T4N-R7E

Elevation: 7894' GL/ 7926' KB

Last Updated by CAM 12/17/2007



### WELL HISTORY & NOTES

11/82 Completed as a Z1/Z2/Z3 injector  
 Acidize w/ 8000 gals 7.5% HCL  
 8/82 Set cmt RET and squeeze  
 Set @ 11760'; Pump 75 sxs G cmt;  
 Perf 13588-590, 13582-584, 13420-22, set  
 retainer @ 13438, squeeze  
 DO cmt 12623-13012, pressure test ok  
 7/93 Run replacement pkr and tubing  
 string  
 1/96 Replace tubing string with 13%  
 chrome  
 Good 900 psi casing test  
 11/99 Drill 2 laterals and cement 4" DP  
 and perf  
 Notes:  
 From reports is it suspected that the  
 south lateral has a significant amount of  
 cement. High water rates are the reason  
 the well was shut-in. Highest recorded  
 water rate was 250 bwpd in 2000.

**Tubing Detail(North Lateral):**  
 3-1/2" 12.7# VAM N-80 set at 12,860'  
 X-over: 3-1/2" x 4-1/2"  
 x-over: 4-1/2" x 4" HT 38  
 4" HT 38 Drill pipe to 13970' MD (??TVD)  
 Baker payzone pkr @ 14,000 MD  
 76' ft of logging tools at 14,478' MD  
 Cemented to 13130'  
 4" DP perforated from 13,310'-13460'; 13,820'-13,970'

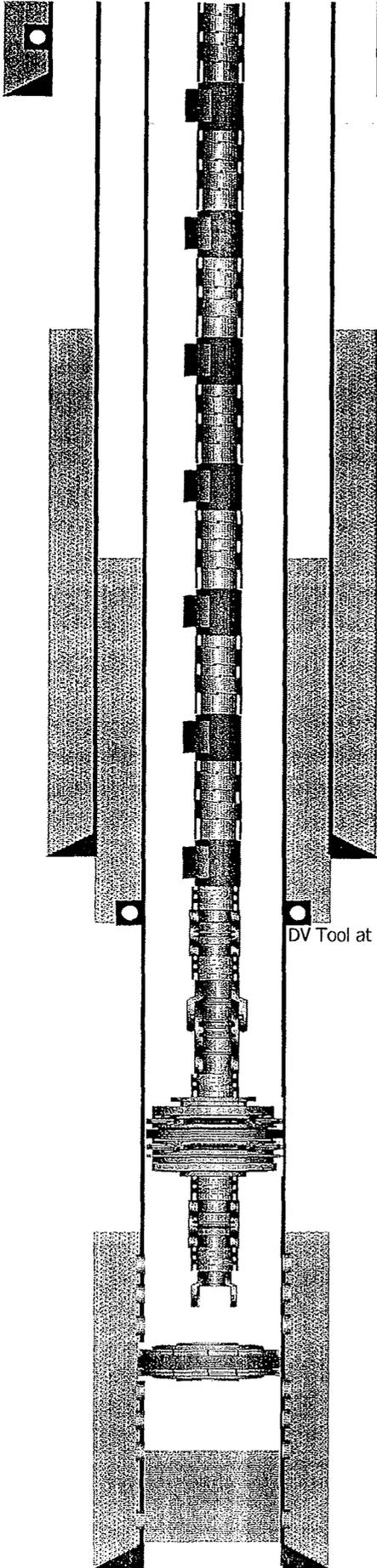
**Tubing Detail(South Lateral):**  
 Kickoff from North lateral @ 13,126'  
 5-7/8" OH to plug @ 14023'

**7" Production Casing @14,303'**  
 816': 26# S-95 8rd  
 4358': 23# S-95 8rd  
 4066': 26# S-95 8rd  
 394': 32# N-80 8rd  
 1290': 32# S-95 8rd  
 898': 35# S-95  
 2459': 32# S-95  
 cemented with 325 sxs Class G

TD @ 14,303' TVD  
 South Lateral TD: 14,023' MD  
 North Lateral TD: 14,478' MD







WELL NAME:	ARE W20-02			FIELD:	ANSCHUTZ RANCH EAST		
QTR QTR:	SEC:	20	TWN:	4N	RNG:	8E	
COUNTY:	SUMMIT		ST:	UT		SPUD DATE:	05/01/83
KB:	7331	GL:	7310	TD:	13928	PBDT:	12950
LAST UPDATED:	11/09/07			BY:	CASEY MORTON		

**CASING DETAILS**

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13-3/8", 13-5/8"	54.5-88.2#	K-55, HC-95	5140'
INTERMEDIATE	9-5/8", 9-7/8"	47-62.8#	MC-95, S-105	10934'
PRODUCTION	7"	32-35#	N-80, S-95	13928'

Has an additional 20" surface casing string set @ 60', not shown on WBS

**TUBING DETAILS**

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
KB				21.00
82 JTS	2-7/8"	6.5#	N-80	2,650.53
GLV #7	2-7/8"			2,657.57
78 JTS	2-7/8"	6.5#	N-80	5,139.88
GLV #6	2-7/8"			5,146.91
68 JTS	2-7/8"	6.5#	N-80	7,311.03
GLV #5	2-7/8"			7,318.05
58 JTS	2-7/8"	6.5#	N-80	9,167.66
GLV #4	2-7/8"			9,174.68
48 JTS	2-7/8"	6.5#	N-80	10,692.10
GLV #3	2-7/8"			10,699.12
34 JTS	2-7/8"	6.5#	N-80	11,784.19
GLV #2	2-7/8"			11,791.22
24 JTS	2-7/8"	6.5#	N-80	12,558.46
GLV #1	2-7/8"			12,565.48
1 JT	2-7/8"	6.5#	N-80	12,597.76
X NIPPLE	2.313"			12,598.80
1 JT	2-7/8"	6.5#	N-80	12,631.08
ON/OFF TOOL	2-7/8" X 5-1/2"			12,632.90
PUP JT	2-7/8"	6.5#	N-80	12,638.98
ASI-X PKR	2-7/8" X 7"			12,646.52
PUP JT	2-7/8"	6.5#	N-80	12,652.60
XN NIPPLE	2.313" W/ NO G			12,653.73
PUP JT	2-7/8"	6.5#	N-80	12,659.78
WL REENTY	2-7/8"			12,660.46

Based on 03/18/04 Pulling Report

DV Tool at 12203'

**WELL HISTORY:**

08/18/83	Perf Z3 f/ 13476-560, acidize w/ 6300g 10% HCL
	Perf Z2 f/ 13004-430 (OA) w/ TCP.
	Acidize all w/ 600 bbls acid
10/17/84	Left 7' of PLT tool in hole
01/08/86	Sqz 13004-108 w/ 150 sxs
	Perf Z1 f/ 12739-924 (OA) w/ TCP (no stimulation)
02/15/86	PLT indicates flow f/ 5 of 11 zones
07/29/86	Test lower Z2 & Z3
09/09/86	Convert to injection, perf Z2 f/ 13005-065, 13080-110
03/01/95	Convert to production
05/18/98	Attempt WSO, spot 27 bbl cmt f/ 12950-13628 (tagged @ 12951)
02/01/04	Set CIBP at 12990? RIH with gas lift

**NUGGET Z1 PERFS**

12739-768, 12778-784  
12792-811, 12831-864  
12890-899, 12912-924

**NUGGET Z2 PERFS**

13005-065, 13080-110 (w/ 1/4 spf, 0 phasing)  
13127-152, 13164-220  
13232-256, 13280-308  
13320-360, 13372-430

**NUGGET Z3 PERFS**

13475-560

All perfs shot w/ 4 spf 90 phasing unless noted otherwise



WELL NAME: ARE W31-06 FIELD: ANSCHUTZ RANCH EAST  
 QTR QTR: SEC: 31 TWN: 4N RNG: 8E  
 COUNTY: SUMMIT ST: UT SPUD DATE:  
 KB: 7770 GL: 7743 TD: 14330 PBD: 13367  
 LAST UPDATED: 08/14/08 BY: CASEY MORTON

**CASING DETAILS**

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13-3/8"	54.5-61#	K-55	2301'
INTERMEDIATE	9-5/8", 9-7/8"	47-62.8#	N-80, S-105	10689'
PRODUCTION	7"	32-38#	N-80, P-110	14033'

Has an additional 20" surface casing string set @ 107', not shown on WBS

**TUBING DETAILS**

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
KB				27.00
326 JTS	2-7/8"	6.5#	N-80	10,269.42
PUP	2-7/8"	6.5#	N-80	10,275.50
ON/OFF				10,277.02
ARROWSET PKR				10,284.73
56 JTS	2-7/8"	6.5#	N-80	12,048.52
X NIPPLE				12,049.72
1 JT	2-7/8"	6.5#	N-80	12,081.06
XN NIPPLE				12,082.34
1 JT	2-7/8"	6.5#	N-80	12,114.74
WL REENTRY				12,115.16

Based on tubing details 12/10/04

**COILED TUBING DETAILS**

	LENGTH	SET DEPTH
1-1/4" CT	8992.0	8,992.00
GLV #8 SJ 40 1" GLV w/ 3/16" PORT	8.0	9,000.00
1-1/4" CT	942.0	9,942.00
GLV #7 SJ 40 1" GLV w/ 3/16" PORT	8.0	9,950.00
1-1/4" CT	792.0	10,742.00
GLV #6 SJ 40 1" GLV w/ 3/16" PORT	8.0	10,750.00
1-1/4" CT	592.0	11,342.00
GLV #5 SJ 40 1" GLV w/ 3/16" PORT	8.0	11,350.00
1-1/4" CT	542.0	11,892.00
GLV #4 SJ 40 1" GLV w/ 3/16" PORT	8.0	11,900.00
1-1/4" CT	392.0	12,292.00
GLV #3 SJ 40 1" GLV w/ 3/16" PORT	8.0	12,300.00
1-1/4" CT	392.0	12,692.00
GLV #2 SJ 40 1" GLV w/ 3/16" PORT	8.0	12,700.00
1-1/4" CT	392.0	13,092.00
GLV #1 1" GLV w/ 3/16" S/O	8.0	13,100.00

Based on coiled tubing details 04/14/05

**WELL HISTORY:**

09/01/83	Complete Z2 & Z3
06/01/85	Perf & Acidize Z1
03/01/86	Add Z1, Z2 & OT pay
02/01/89	Add Z3 & OT pay
04/01/89	Close SS - OT only
04/01/90	Open SS - NS/OT
04/01/92	Replace corroded tubing
04/01/95	Replace corroded tubing w/ Chrome
10/01/96	Frac Z1 & Z2
03/28/01	Pulled pkr, ran 2-7/8" tubing (no packer)
07/01/01	Gas lifted ("Poor Boy")
05/01/03	Chemical hot oil for paraffin, net increase 1 mmcf/d
08/01/04	Shut off lift gas (circulating)
09/11/04	WL TD - tagged fill @ 13367' (sand in bailer)
12/01/04	CO Fill to new PBD 14060'

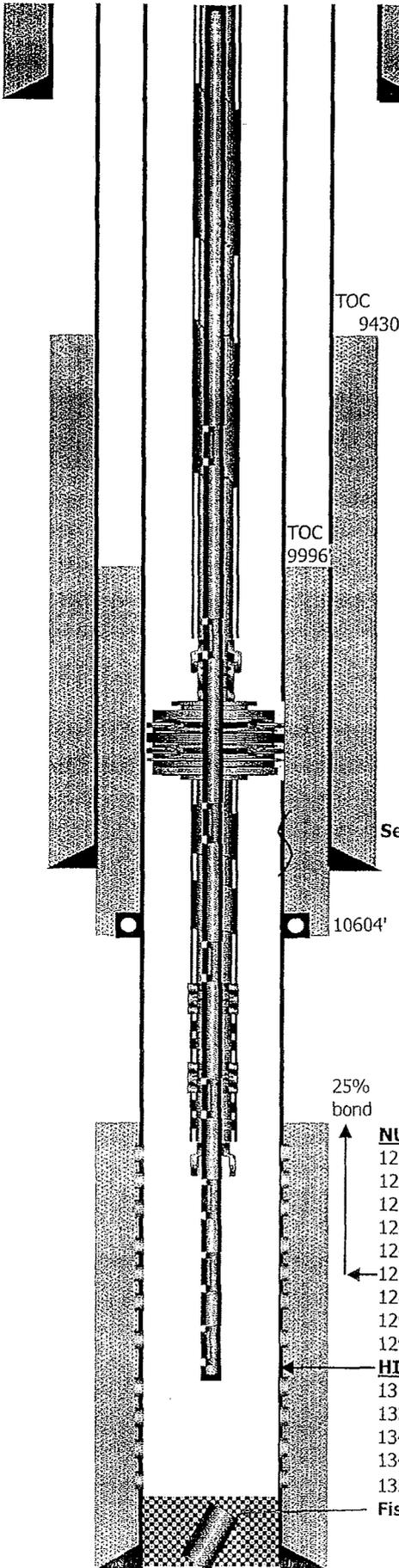
**NUGGET PERFS**

12171-188, 12194-228  
 12238-254, 12256-262  
 12270-308, 12310-364  
 12410-454, 12462-470  
 12472-548, 12551-618  
 12638-745, 12746-776  
 12820-850, 12860-892  
 12902-940, 12952-974  
 12992-13058

**HINGELINE**

13130-212, 13230-282  
 13330-450  
 13460-462 (sqzd)  
 13471-490, 13508-574  
 13596-668, 13704-816, 13834-974

Fish @ 14165': Open Hole logging tool (39.1' long, 3-3/8" OD)



**NOTE: TITE SPOT NOTED IN 7" CASING @ 10416' (CALIPER MAR-01)**

Lease & Well No. ARE W36-16 (FKA: Island Ranch E-1)  
 Field Name Anschutz Ranch East  
 Location Sec. 36, 4N 7E

CPF Name Gas Gathering  
 County & State Summit County, UT  
 API No. \_\_\_\_\_

**Well Information**

Ground Elevation: 8,070' Spud Date: 2/01/82  
 KB Elevation: 8,108' Completion Date: 11/01/83  
 Plugback Depth: ?? Current Prod: Oil - 0 bopd  
 Total Depth: 14,475' Gas - 185 mcfpd  
 Water - 175 bwpd  
 FTP - ?  
 FCP - ?  
 SITP - ?  
 SICP - ?  
 SIBHP - ?

Comments: Schlumberger coiled tubing gas lift setup  
 No Merit Reports in PA  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Pipe Data**

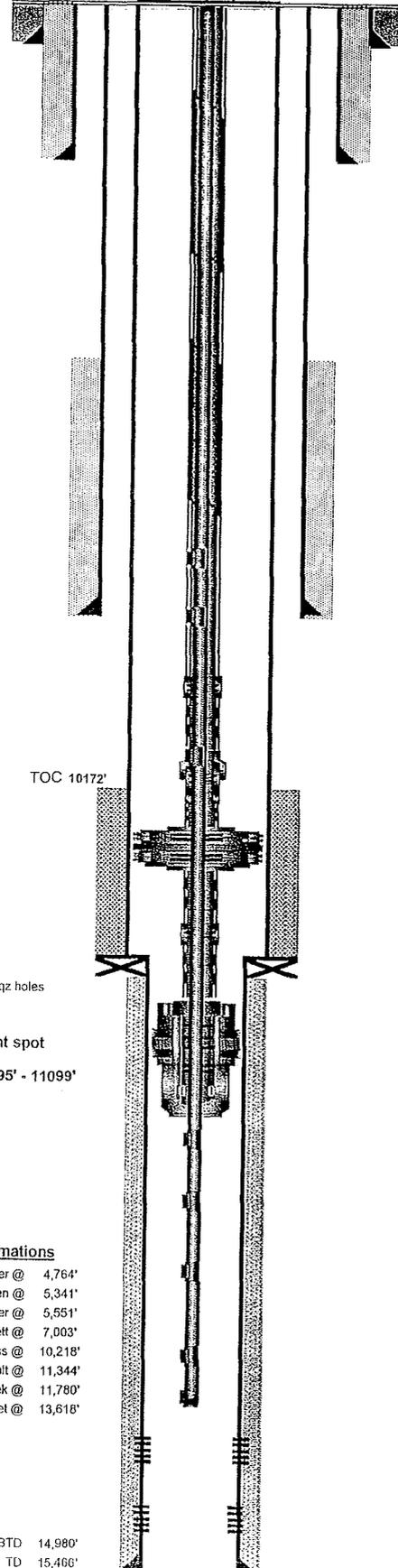
Conductor						
Top	Bottom	Size	Weight	Grade	Sx. Cmt	Comments
0'	0'	0	Unk	Unk	Unk	
Surface						
Top	Bottom	Size	Weight	Grade	Sx. Cmt	Comments
0'	2,888'	13-3/8"	54.5&61#	K-55		
Intermediate 1						
Top	Bottom	Size	Weight	Grade	Sx. Cmt	Comments
0'	6,833'	9-5/8"	47.0#	HC-95	Unk	DV@ 5662
Intermediate 2 and Production Liner						
Top	Bottom	Size	Weight	Grade	Sx. Cmt	Comments
0'	11,817'	7"	32-35#	S-95	Unk	32#-6230', 29#-10488'
10,476'	14,775'	4-1/2"	15.1#	P-110	Unk	4" ID PBR @ 10748'

Casing Details						
Description	Length	Bottom	Size	Min. ID	Weight	Grade
KB	38.00'	38.00'				
318 jts	9,854.00'	9,892.00'	3-1/2"		10.3#	VAM; N-80
24 jts	743.72'	10,635.72'	3-1/2"		9.2#	Chrome
R-Nipple	1.00'	10,636.72'	3-1/2"	2.562		
1 jt	31.00'	10,667.72'	3-1/2"		9.2#	Chrome
On/Off tool	1.00'	10,668.72'	5-1/2 x 3-1/2"			
Pup joint	6.00'	10,674.72'	3-1/2"			VAM
Baker FHL packer	6.00'	10,680.72'				
1 jt	31.00'	10,711.72'	3-1/2"			VAM
R Nipple	1.00'	10,712.72'	3-1/2"	2.562		
1 jt	31.00'	10,743.72'	3-1/2"			VAM
PBR	4.00'	10,747.72'		4"		
Seal Assmby		10,747.72'				
Coiled Tubing Details						
1-1/4" Coiled tubing	6,766.00'	6,766.00'				
Valve 8		6,767.00'				
Valve 7		8,766.00'				
Valve 6		10,166.00'				
Valve 5		11,016.00'				
Valve 4		11,616.00'				
Valve 3		12,216.00'				
Valve 2		12,716.00'				
Valve 1		13,117.00'				

**Perforations**

Date	Pay Gross - 204		PHIA		Holes	Comments
	Top	Bottom	Gross	PHIA		
9/11/1985	13,400'	13,410'	10'		40	Sand Frac(48K lbs.)
9/11/1985	13,420'	13,482'	62'		248	Sand Frac(48K lbs.)
9/11/1985	13,510'	13,516'	6'		24	Sand Frac(48K lbs.)
9/11/1985	13,542'	13,562'	20'		80	Sand Frac(48K lbs.)
9/11/1985	13,582'	13,613'	31'		124	Sand Frac(48K lbs.)
9/11/1985	13,676'	13,690'	14'		56	Sand Frac(48K lbs.)
9/11/1985	13,701'	13,710'	9'		36	Sand Frac(48K lbs.)
	13,750'	13,768'	18'		72	
1/8/1984	13,776'	13,832'	56'		224	All 4 SPF
1/8/1984	13,861'	13,894'	33'		132	All 4 SPF
1/8/1984	13,924'	13,950'	26'		104	All 4 SPF
1/8/1984	13,980'	14,015'	35'		140	All 4 SPF
1/8/1984	14,030'	14,054'	24'		96	All 4 SPF
1/8/1984	14,061'	14,072'	11'		44	All 4 SPF
	14,088'	14,158'	70'		280	All 4 SPF
9/28/1987	14,270'	14,340'	70'		280	All 4 SPF
9/28/1987	14,370'	14,520'	150'		600	All 4 SPF
9/28/1987	14,580'	14,600'	20'		80	All 4 SPF
<b>Totals</b>	<b>13,400'</b>	<b>14,600'</b>	<b>365'</b>		<b>2,320</b>	

**Current Completion**



**Formations**

- Frontier @ 4,764'
- Aspen @ 5,341'
- Bear River @ 5,551'
- Gannett @ 7,003'
- Preuss @ 10,218'
- Salt @ 11,344'
- Twin Creek @ 11,780'
- Nugget @ 13,618'

PBTD 14,980'  
 TD 15,466'

# MERIT ENERGY COMPANY

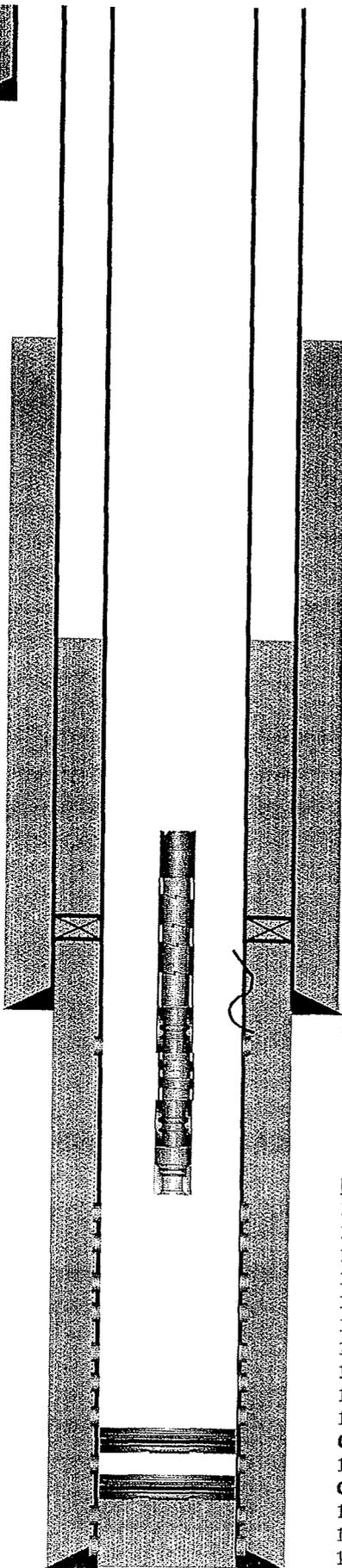
WELL NAME: <b>ARE E28-06</b>		FIELD: <b>ANSCHUTZ RANCH EAST</b>		
QTR QTR:	SEC: <b>28</b>	TWN: <b>4N</b>	RNG: <b>8E</b>	
COUNTY: <b>SUMMIT</b>	ST: <b>UT</b>	SPUD DATE:		
KB: <b>7513</b>	GL: <b>7487</b>	TD: <b>15170</b>	PBSD:	
LAST UPDATED: <b>09/13/05</b>		BY:	<b>MIKE MERCER</b>	

### CASING DETAILS

PURPOSE	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	13-3/8"	72#	S95	3988'
INTERMEDIATE	9-5/8", 9-7/8"	47#, 62.8#	S95	12990'
PRODUCTION	7"	32#	L80	F/12313-15160
TIEBACK	7"	32#	N80, S95	F/0-12313'

### TUBING DETAILS

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
KB				26.00
<b>TUBING PULLED 07/13/05</b>				



TOL @ 12313

COLLAPSED CASING @ +/-12678'

**SOZ PERFS**  
12991-12993

#### **NUGGET PERFS**

- 14250-14265
- 14310-14316
- 14325-14332
- 14360-14372
- 14380-14396
- 14466-14482
- 14500-14506
- 14530-14566
- 14594-14630
- 14728-14755
- CICR @ 14802'**
- 14814-14866
- CICR @ 14900'**
- 14980-14988 (SQZD)
- 14992-15009 (SQZD)
- 15018-15024 (SQZD)

FISH: 2-7/8" 6.5# N80 stub, 43 jts 2-7/8" 6.5# N80, X Nipple, 1 jt 2-7/8" 6.5# N80, XN Nipple, WL Re-entry guide (1410.50')

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>Champlin 372 Amoco C1</u>	API Number: <u>43-043-30143</u>
Qtr/Qtr: <u>Nw/Ne</u> Section: <u>23</u>	Township: <u>4N</u> Range: <u>7E</u>
Company Name: <u>Merit Energy Co.</u>	
Lease: State _____ Fee <input checked="" type="checkbox"/>	Federal _____ Indian _____
Inspector: <u>Lisha Cordova</u>	Date: <u>8/10/10</u>
IPS "Integrated Prod. Services"	

Initial Conditions:

Tubing - Rate: N/A 56W Pressure: 0 psi  
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)		Annulus Pressure	Tubing Pressure
0	10:47	1000	_____
5	10:52	1000	_____
10	10:58	1000	_____
15	11:02	1000	_____
20		_____	_____
25		_____	_____
30		_____	_____

Results: Pass/Fail

Conditions After Test:

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

COMMENTS:

Inflatable pkr e 8320' - open hole. Testing backside of 4 1/2" liner & 7" csg.  
Hole full. 1000# for 15 min - passed.

Jim Baucom  
 Operator Representative



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 6, 2011

43 043 30143  
Champlin 372 Amoco C1  
4N 7E 23

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

Subject: Notice of Violation: Abandoned Well Requirements for Fee or State Leases

Dear Ms. White:

The Division of Oil, Gas and Mining (the Division) is reissuing this Notice of Violation (NOV) that originally went out via certified mail to Merit Energy Company (Merit) on July 1, 2010 (see Attachment of original Violation). Merit was given until September 30, 2010, to respond to this NOV. To date the Division has not received any information from Merit showing any attempt to move these wells out of violation status.

As of January 1, 2011, Merit had twenty five (25) wells that were in non-compliance with the requirements for shut-in or temporarily abandoned (SI/TA) status. The Division recognizes that two (2) wells have been plugged and abandoned (PA'd) in March of this year. However the two wells that were PA'd were not part of this NOV. Currently Merit has twenty three (23) wells that are still in non-compliance. Nine (9) of the 23 wells have previously been addressed in this NOV (see Attachment), originally dated June 30, 2010. Six (6) wells have recently been issued an NOV and the remaining eight (8) have also recently being issued a second notice of non-compliance.

Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

IMMEDIATE ACTION REQUIRED: Please submit information required by R649-3-36, plug and abandon or place wells on production.

Date of service mailing: June 7, 2011  
CERTIFIED MAIL No.: 7005 1820 0001 5562 9832

If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet  
Petroleum Engineer

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

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



UTAH DEPARTMENT OF NATURAL RESOURCES

Division of Oil, Gas & Mining

Oil and Gas Program

1594 West North Temple, Suite 1210, Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

NOTICE OF VIOLATION  
STATE OF UTAH  
OIL AND GAS CONSERVATION ACT

\*\*\*\*\*

To the following operator:

Name: MERIT ENERGY COMPANY

Well(s) or Site(s): 1.) <u>ARE W31-04E</u>	API #: <u>43-043-30165</u>
→ 2.) <u>CHAMPLIN 372 AMOCO C1</u>	<u>43-043-30143</u>
3.) <u>ARE W31-12</u>	<u>43-043-30190</u>
4.) <u>ARE W16-14</u>	<u>43-043-30096</u>
5.) <u>ARE 16-12</u>	<u>43-043-30231</u>
6.) <u>CHAMPLIN 387 B1A</u>	<u>43-043-30168</u>
7.) <u>ARE W17-16</u>	<u>43-043-30176</u>
8.) <u>ARE W16-06</u>	<u>43-043-30138</u>
9.) <u>ARE W20-06</u>	<u>43-043-30159</u>
10.) <u>ARE W20-02</u>	<u>43-043-30228</u>

Date and Time of Inspection/Violation: June 30, 2010

Mailing Address: Attn: Michal K. White

13727 Noel Road, Ste 500

Dallas, TX 75240

Under the authority of the Utah Oil and Gas Conservation Act, Section 40-6 et. Seq., Utah Code Annotated, 1953, as amended, the undersigned authorized representative of the Division of Oil, Gas and Mining (Division) has conducted an inspection of the above described site and/or records on the above date and has found alleged violation(s) of the act, rules or permit conditions as described below.

Description of Violation(s):

Rule R649-3-36, Shut-in and Temporarily Abandoned Wells – With the exception of wells 9 and 10 listed above, the above referenced wells have been Shut-in or Temporarily Abandoned (SI/TA) over 5 consecutive years. Wells 9 and 10 are approaching 5 years consecutive shut-in and only produced intermittently from 2004 to 2006 after previously being shut-in in 2000 and 1998 respectively. According to Rule R649-3-36, the operator is required to supply the Division with reasons for extended SI/TA, the length of time for extended SI/TA and proof of well bore integrity for every well SI/TA over 12 consecutive months. After 5 years of continued SI/TA, the wells are to be plugged unless good cause is supplied to the Division for extended SI/TA in addition to the required information just mentioned.

**UTAH DEPARTMENT OF NATURAL RESOURCES**

**Division of Oil, Gas & Mining**

**Oil and Gas Program**

1594 West North Temple, Suite 1210, Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 Phone

(801) 359-3940 Fax

The Division has initiated several contacts with Merit Energy Company (Merit) requesting required documents and action per R649-3-36. All wells listed above had a first notice sent out via certified mail on January 22, 2004 to Merit. Previously in 2003, BP America Production Company (Merits' predecessor) had SI/TA requests denied on all wells listed above except well 1 and well 9. The Division accepted a plan on April 8, 2005 for wells 1 through 8 to bring those wells back into production. After several correspondence and accepted plans to bring wells into production, the Division issued a Third Notice on August 26, 2008. The Division notified Merit on January 21, 2009 that the plan and submitted integrity information was insufficient. By letter dated August 26, 2009, Merit proposed to get proper MIT data and reactivate several of the wells. Our records show nothing has been done to date to move these wells out of violation status. The Division has had numerous other communications by phone and email with Merit and Merit has not provided adequate data to prove mechanical integrity and has not followed through with plans for removing wells from the SI/TA list. Merit has not complied with rule R649-3-36 despite the several years the Division has worked with Merit to bring these wells into compliance. In addition to the wells subject to this NOV, Merit has 15 additional wells SI/TA beyond 12 months without approval. Immediate action must be taken on those wells as well.

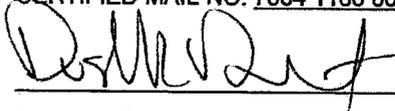
Action: For the well subject to this notice, Merit shall either submit the information required by R649-3-36, plug and abandon or place the wells on production.

This notice shall remain in effect until it is modified, terminated, or vacated by a written notice of an authorized representative of the director of the Division of Oil, Gas and Mining. Failure to comply with this notice will result in the Division pursuing further actions against said operator. Further actions may include initiation of agency actions to order full cost bonding and plugging and abandonment of wells and requests for bond forfeiture and civil penalties.

Compliance Deadline: September 30, 2010

Date of Service Mailing: July 1, 2010

CERTIFIED MAIL NO: 7004 1160 0003 0190 4543



Division's Representative

Operator or Representative

(If presented in person)

6/2005

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> CHAMPLIN 372 AMOCO C 1	
<b>2. NAME OF OPERATOR:</b> MERIT ENERGY COMPANY	<b>9. API NUMBER:</b> 43043301430000	
<b>3. ADDRESS OF OPERATOR:</b> 13727 Noel Rd Ste 500 , Dallas, TX, 75240	<b>PHONE NUMBER:</b> 972 628-1540 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ANSCHUTZ RANCH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0860 FNL 0536 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 23 Township: 04.0N Range: 07.0E Meridian: S	<b>COUNTY:</b> SUMMIT	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/10/2010	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> DRILLING REPORT Report Date: <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER: <input style="width: 100px; height: 15px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Merit Energy Company would like to have this well placed in Temporarily Abandoned status. Please see attached MIT and WBD.		
<b>REQUEST DENIED</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b>  <b>Date:</b> <u>09/28/2011</u> <b>By:</b> <u><i>Dark K. Quist</i></u>		
<b>NAME (PLEASE PRINT)</b> Kim Mercer	<b>PHONE NUMBER</b> 972 628-1023	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/1/2011	

**Please Review Attached Reasons for Denial**

**RECEIVED** Sep. 01, 2011



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

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43043301430000**

**Please see requirements of R649-3-36 - request must include the reason for extended SI/TA as well as the expected length of time to be SI/TA. Also, MIT was performed in 2010 - information should show how MIT is still valid.**

INSPECTION FORM 8

STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>Champion 372 Area #1</u>	API Number: <u>43-043-30143</u>
Qtr/Qtr: <u>N1N1W</u> Section: <u>23</u>	Township: <u>4N</u> Range: <u>7E</u>
Company Name: <u>Mud Energy Co.</u>	
Lease: State _____ Fee <input checked="" type="checkbox"/>	Federal _____ Indian _____
Inspector: <u>Lisa Cordova</u>	Date: <u>8/10/10</u>
IPS "Integrated Prod. Services"	

Initial Conditions:

Tubing - Rate: N/A SGD Pressure: 0 psi  
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)		Annulus Pressure	Tubing Pressure
0	10:47	<u>1000</u>	_____
5	10:52	<u>1000</u>	_____
10	10:58	<u>1000</u>	_____
15	11:02	<u>1000</u>	_____
20		_____	_____
25		_____	_____
30		_____	_____

Results: Pass/Fail

Conditions After Test:

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

COMMENTS:

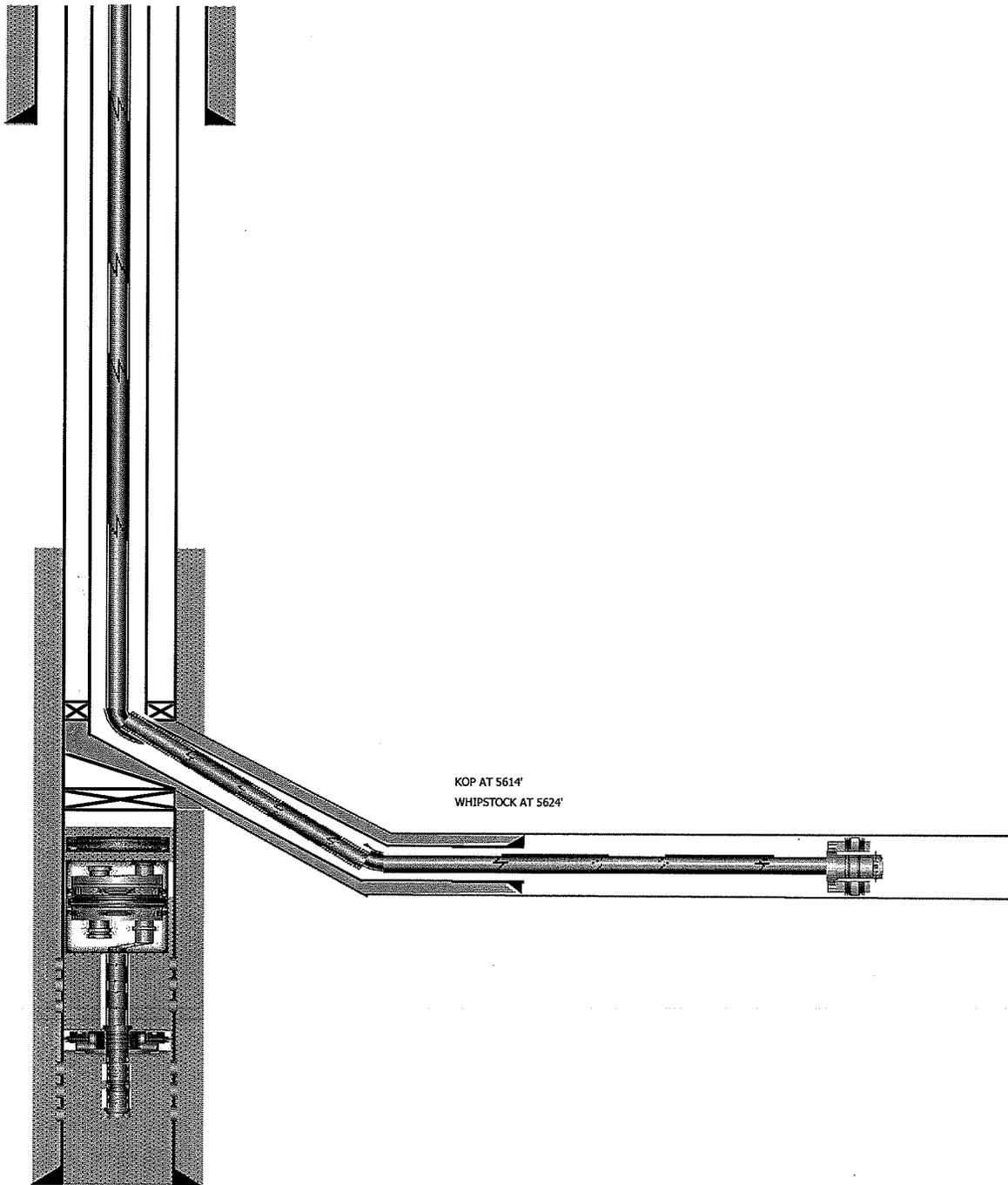
Inflatable pkr @ 8320' - open hole. Testing backside of 4 1/2" line & 7" csg.  
Hole full. 1000# for 15 min - passed.

Joe Baucum  
 Operator Representative





MERIT ENERGY COMPANY



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> CHAMPLIN 372 AMOCO C 1
<b>2. NAME OF OPERATOR:</b> MERIT ENERGY COMPANY	<b>9. API NUMBER:</b> 43043301430000
<b>3. ADDRESS OF OPERATOR:</b> 13727 Noel Rd Ste 500 , Dallas, TX, 75240	<b>PHONE NUMBER:</b> 972 628-1540 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0860 FNL 0536 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 23 Township: 04.0N Range: 07.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> ANSCHUTZ RANCH  <b>COUNTY:</b> SUMMIT  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/10/2011	<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 checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text"/>

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

Merit Energy Company [MEC] would like to have this well place in Temporarily Abandoned status for one year. MEC will need to complete a reservoir study on the well to determine if the remaining hydrocarbons can be recovered by offset wells or complete a workover on the well to return it to production.

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

Date: 11/16/2011  
 By: *Derek Quist*

<b>NAME (PLEASE PRINT)</b> Kim Mercer	<b>PHONE NUMBER</b> 972 628-1023	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/4/2011	

**Please Review Attached Reasons for Denial**

**RECEIVED** Oct. 04, 2011



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

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43043301430000**

**Insufficient information provided to approve request. No showing of how integrity is still intact from date of MIT last year to present. Also need submitted plan for work in the future supporting the given reason for extension. Plan should include wells scheduled to be PA'd, returned to production etc. and a timeline for those events.**

INSPECTION FORM 8

STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>Champion 372 Area #1</u>	API Number: <u>43-043-30143</u>
Qtr/Qtr: <u>N1N1W</u> Section: <u>23</u>	Township: <u>4N</u> Range: <u>7E</u>
Company Name: <u>Merril Energy Co.</u>	
Lease: State _____ Fee <input checked="" type="checkbox"/>	Federal _____ Indian _____
Inspector: <u>Lisla Cordova</u>	Date: <u>8/10/10</u>
IPS "Integrated Prod. Services"	

Initial Conditions:

Tubing - Rate: N/A SGD Pressure: 0 psi  
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)		Annulus Pressure	Tubing Pressure
0	10:47	<u>1000</u>	_____
5	10:52	<u>1000</u>	_____
10	10:58	<u>1000</u>	_____
15	11:02	<u>1000</u>	_____
20		_____	_____
25		_____	_____
30		_____	_____

Results: Pass/Fail

Conditions After Test:

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

COMMENTS:

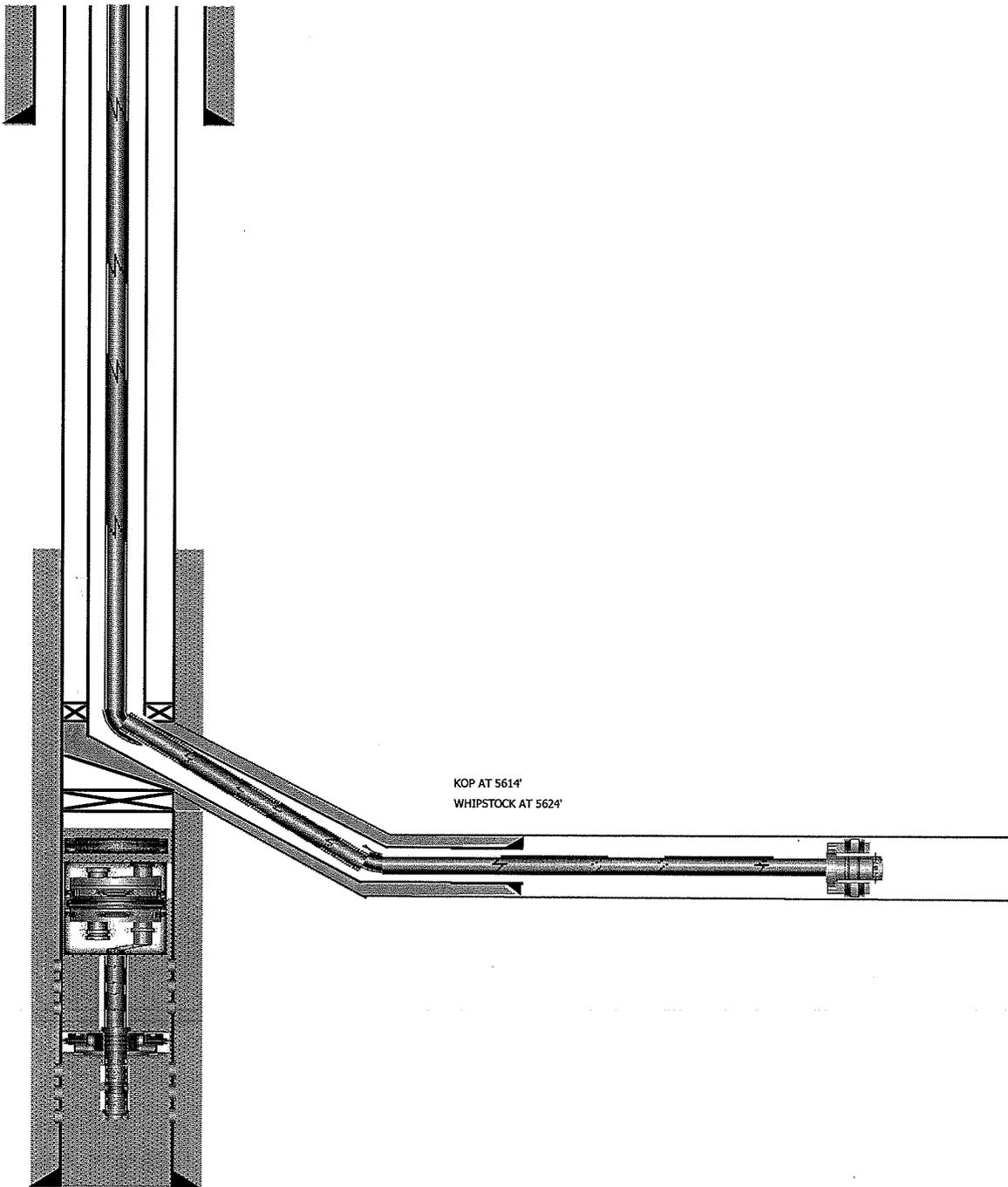
Inflatable pkr @ 8320' - open hole. Testing backside of 4 1/2" line & 7" csg.  
Hole full. 1000# for 15 min - passed.

Joe Baucum  
 Operator Representative





MERIT ENERGY COMPANY





GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 27, 2014

Certified Mail #7003 2260 0003 2358 6960

Arlene Valliquette  
North Division Regulatory Manager  
Merit Energy Company  
13727 Noel Road, Suite 500  
Dallas, Texas 75240

43 043 3043  
23 4N 7E

Subject: Oil and Gas General Conservation Rule R649-3-36 - Shut-in and Temporarily Abandoned Wells

Dear Ms. Valliquette:

The Division of Oil, Gas and Mining (Division) met with Merit Energy Company (Merit), at our offices, on April 26, 2012 to discuss long term plans for Merits' shut-in wells at Anschutz Ranch Field. The Division expressed its concerns regarding the number of shut-in wells Merit operated and the length of time wells have been shut-in. The Division discussed the importance to timely plugging shut-in wells that have no future value and submit extension sundries for shut-in wells that will not be immediately plugged or returned to production. Merit representatives at the meeting indicated they understood the Divisions' concerns. However, Merit required additional time for their engineer, newly assigned to this area, to review the shut-in well list to determine which wells should be returned to production and which wells should be plugged. Merit also needed to present the well review to management for budget approval.

Merit submitted, to the Division, a written 2013 Plugging and/or Reactivation Well Plan dated October 30, 2012. The plan stated Merit was in the process of applying for approval to convert the Champlin 372 Amoco C 1 well to a water disposal well. The plan committed to the plugging of the ARE W31-04E, ARE W31-12, ARE W16-12 and ARE W17-16 wells by the end of the 2012 calendar year. Merit also proposed probable reactivations of the ARE W20-09, ARE W20-06, ARE W20-08 and ARE W20-12 wells and probable plugging and abandonment of the ARE W16-14 and ARE E 21-14 wells. The results are listed below.

→ Champlin 372 Amoco C 1	Water Disposal Well application never submitted
ARE W31-04E	Plugged 1/9/2013
ARE W31-12	Plugged 1/21/2013
ARE W16-12	Plugged 12/3/2012
ARE W17-16	Plugged 11/16/2012
ARE W20-09	Reactivated April 2013
ARE W20-06	Never Reactivated
ARE W20-08	Never Reactivated
ARE W20-12	Never Reactivated
ARE W16-14	Plugged May 2014
ARE E21-14	Plugged April 2014



Ryan Huddleston from your office has indicated in recent conversations with Dustin Doucet that Merit is preparing to reactivate/plug 6-8 more shut-in wells. To date Merit has not submitted a written plan for Division approval.

Merit currently operates twenty-five (25) shut-in wells at Anschutz Ranch Field; see Compliance Attachment. Eleven (11) of the twenty-five total shut-in wells were added between January 2012 and January 2014. The Division has sent Merit several Shut-in and Temporary Abandonment Notices describing Rule 649-3-36 Shut-in and Temporarily Abandoned Well requirements. The Division denied shut-in extension requests for seven (7) wells due to insufficient information. The Division also issued Notices of Violation for ten (10) of the shut-in wells. Merit has not submitted shut-in extensions sundries for the eleven wells added between January 2012 and January 2014, or submitted additional required information for the seven denied shut-in extensions, or resolved the Notices of Violation.

The operator is responsible to file, yearly, for extended shut-in or temporary abandonment for wells shut-in or temporarily abandoned for a period of twelve (12) consecutive months. Merit must file a Sundry Notice providing the following information for each of the twenty-five wells listed on the Compliance Attachment; reasons for shut-in or temporarily abandonment of the well, length of time the well is expected to be shut-in or temporarily abandoned and an explanation and supporting data showing the well has integrity (R649-3-36.1). After review the Division will either approve the continued shut-in or temporarily abandoned status or require remedial action (R649-3-36.2). After five (5) years of non-activity or non-productivity, the well shall be plugged in accordance with R649-3-24, unless approval for extended shut-in time is given by the Division upon a showing of good cause by the operator (R649-3-36.3). Please note, thirteen (13) of the twenty-five wells listed on the Compliance Attachment have been shut-in over five (5) years.

Merit has until **June 30, 2014** to submit sundries, for the subject wells, in accordance with **Oil and Gas Conservation General Rule 649-3-36 Shut-in and Temporarily Abandoned Wells**.

Should Merit not meet shut-in and temporarily abandoned well requirements, the Division is prepared to file a Notice of Agency Action (NAA) for Commencement of Informal Adjudicative Proceedings (R649-10-3) for this matter in accordance with Oil and Gas Conservation General Rule R649-10 Administrative Procedures.

If you have any questions or need further assistance, please feel free to contact me at [clintondworshak@utah.gov](mailto:clintondworshak@utah.gov) or 801-538-5280 or Dustin Doucet, Petroleum Engineer, at [dustindoucet@utah.gov](mailto:dustindoucet@utah.gov) or 801-538-5281.

Sincerely,

  
Clinton Dworshak  
Oil and Gas Compliance Manager

CLD/js  
Enclosure: Compliance History

cc: John Rogers, O&G Associate Director  
Dustin Doucet, Petroleum Engineer  
Compliance File  
Well Files



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: CHAMPLIN 372 AMOCO C 1
2. NAME OF OPERATOR: MERIT ENERGY COMPANY	9. API NUMBER: 43043301430000
3. ADDRESS OF OPERATOR: 13727 Noel Rd Ste 500 , Dallas, TX, 75240	PHONE NUMBER: 972 628-1540 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0860 FNL 0536 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 23 Township: 04.0N Range: 07.0E Meridian: S	9. FIELD and POOL or WILDCAT: ANSCHUTZ RANCH
	COUNTY: SUMMIT
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>5/1/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" 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 type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Merit Energy Company plans to Plug and Abandon the Champlin C1 around mid 2015, depending on weather restrictions. Please find the Procedure and WBD attached.

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

**Date:** September 18, 2014

**By:** *Derek Duff*

**Please Review Attached Conditions of Approval**

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



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43043301430000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Amend Plug #3: This plug shall be moved downhole approximately 1150' and balanced from 3650' to 3000'. This will isolate casing patch/hole in casing.**
- 3. All annuli shall be cemented from a minimum depth of 100' to the surface.**
- 4. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 5. Surface reclamation shall be done in accordance with R649-3-34 - Well Site Restoration.**
- 6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 7. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (of c) or 801-733-0983 (home) prior to continuing with the procedure.**
- 8. All other requirements for notice and reporting in the Oil and Gas Conservation general rules shall apply.**

9/9/2014

# Wellbore Diagram

r263

API Well No: 43-043-30143-00-00 Permit No: Well Name/No: CHAMPLIN 372 AMOCO C 1  
 Company Name: MERIT ENERGY COMPANY

Location: Sec: 23 T: 4N R: 7E Spot: NWNW

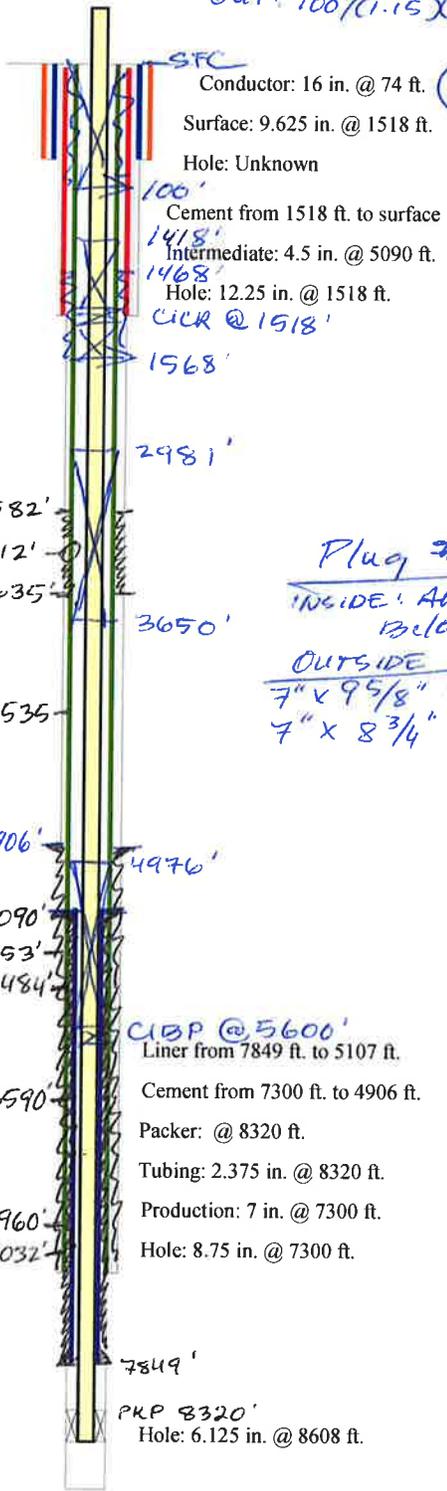
Coordinates: X: 489051 Y: 4546816

Field Name: ANSCHUTZ RANCH

County Name: SUMMIT

## String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	u/cu
COND	74	16			
HOL1	1518	12.25			
SURF	1518	9.625 x 7"	32.3	1518 (0.1746) → 5.726	
HOL2	7300	8.75 x 7"	w/10% (0.2380)	→ 4.2013	
PROD	7300	7	26	(0.2148) → 4.655	
HOL3	8608	6.125			
WILL PULL	5090	4.5	12.6		
L1	7849	4.5	12.6	(0.0872) → 11.459	
PKR	5090	4.5			
T1	8320	2.375			
PKR	8320				



Plug # 4  
 INSIDE: 100' / (1.15 x 0.2148) = 195x  
 OUT: 100' / (1.15 x 0.1746) = 155x

345x  
 TOC @ SFC

## Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
L1	7849	5090	35	465
PROD	7300	4906	UK	750
SURF	1518	0	UK	1000

Plug # 3  
 INSIDE: Above 100' / (1.15 x 0.2148) = 195x  
 Below 50' / (1.15 x 0.2148) = 95x  
 OUTSIDE  
 7" x 9 5/8" 50' / (1.15 x 0.1746) = 85x  
 7" x 8 3/4" 50' / (1.15 x 0.2380) = 105x

465x Reg  
 INSIDE TOC @ 1418'  
 OUT TOC @ 1468'

## Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
6221	7072			

Amend Plug # 2  
 \* move to 3650' to isolate Hole @ 3612'  
 (125 x 1.15 x 11.655) = 669'  
 TOC @ 2981'

## Formation Information

Formation	Depth
PREUS	4535
SALT	5253
TWNCR	5484
BNDRG	6590
GYPSP	6960
NGSD	7032

## Plug # 1

4 1/2" 510' / (1.15 x 0.0872) = 395x  
 7" 114' / (1.15 x 0.2148) = 285x

675x Reg  
 TOC @ 4976'

## **Champlin 372 C**

API #: 43-043-30143

**Current Status:** Shut-in

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

**Reason:** Well has only made water and has been shut-in multiple times for water production, was sidetracked in 1998 but still a water producer. Has spent more time shut in than producing. Is open in Twin Creek shut in for low production and high water.

### **OPERATIONAL PROCEDURE CHAMPLIN 372 C-1**

1. Test anchors. MIRUSU.
2. ND WH and NU BOP.
3. TOOH with 2 3/8" "tbg.
4. Pull 5,090' of 4 1/2" tie back string.
5. MIRU E-line and run GR/JB to 5,600'. POOH and PU 4 1/2" CIBP, RIH and set CIBP @ 5,600'.
6. TIH to CIBP. Circulate gas/oil out of hole. SI backside and pressure test casing to 500 psi. If casing does not test P/U packer & locate casing leaks.
7. If casing tests, spot 624' cement to cover CIBP & liner top.
8. POOC pump 9 ppg gel to 2,500' Spot 125 sx balanced cement stabilizer.
9. RU wireline and shoot 4 holes in the prod casing 50' below the surface shoe at 1,568'.
10. PU CICR, RIH and set 50' above perms @ 1,518'.
11. Dig out and expose 9 5/8" surface valve and open.
12. Establish circulation up annulus through retainer.
13. After gaining circulation, pump cement sufficient for 100' annular volume (50' in and out plug) plus casing volume from retainer to perms.
14. Sting out of retainer and spot 100' cement on top of CICR.
15. POOC pump 9 ppg gel to 100'
16. TOOH, ND BOP and RDSU.
17. Dig out and cut wellhead 3' below ground level.
18. Run in with 1" poly pipe to 100' and circulate cement to surface in production casing.
19. Fill 9 5/8" w/100' cement using poly pipe.
20. Weld on dry hole plate w/ legal ID. Backfill cellar.

**WELL NAME: CHAMPLIN 372 C-1 SIDETRACK**

COUNTY:	SUMMIT	ST:	UT	FIELD:	Anschutz Ranch	TD:	8,608'
QTR QTR:		SEC:	23	API #:	43-043-30143	PBTD:	
UPDATED:	06/04/14	TWN:	4N	SPUD DATE:	04/13/98	KB:	7,001'
UPDATED BY:	Max Berglund	RNG:	7E	MAX TEMP:	137 °F	GL:	6,988'

**CASING DETAILS**

PURPOSE	TOC	CMT	SIZE	WEIGHT	GRADE	SET DEPTH
SURFACE	SURF	1000 SX	9-5/8"	32.3#	H-40	1,518'
INTERMEDIATE	4,906'	750 SX	7"	23 & 26#	S-95 & K-55	7,300'
TIE BACK			4-1/2"	12.6#	N-80 VAM	5,090'
LINER		465 SX	4-1/2"	12.6#	N-80 VAM	5,090' - 7,849'

**TUBING DETAILS**

DESCRIPTION	SIZE	WEIGHT	GRADE	SET DEPTH
TUBING	2-3/8"	4.7#	EUE 8RD	
INFLATABLE PACKER				8,320'

Based on Sundry Notice dated 2/28/2002

**PERFORATIONS**

DATE	TOP	BOTTOM	GROSS	HOLES	SPF
<b>PEN HOLE Nugget</b>	<b>7,850'</b>	<b>8,608'</b>			
Original Hole					
1981 Twin Creek	6,155'	6,980'			
1981 Nugget	7,056'	7,098'			

**FORMATION TOPS**

ASPEN	
BEAR RIVER	
GANNET	
PREUSS	4,535'
TOP SALT	5,253'
BASE SALT	
TWIN CREEK	5,484'
WATTON CANYON	
BOUNDRY RIDGE	
RICH	
SLIDE ROCK	
GYPSSUM SPRINGS	
NUGGET	7,740'

**NOTES: HOLE IN 7" CASING - CASING PATCH SET FROM 3582' - 3635' in 2002.**

Retainer (

