

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

ML-38680 State
5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO ~~DRILL~~ **RECEIVED** OR PLUG BACK

1a. Type of Work
DRILL DEEPEN PLUG BACK
b. Type of Well
Oil Well Gas Well Other
Single Zone Multiple Zone

2. Name of Operator
AMOCO PRODUCTION COMPANY
3. Address of Operator
P. O. BOX 829, EVANSTON, WYOMING 82930

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface
NW/4 SE/4 Sec. 19, ~~2203.9'~~ FEL & ~~1494.7'~~ FSL
At proposed prod. zone 2204 1495

14. Distance in miles and direction from nearest town or post office*
South 13 miles to LaSalle (Approximately)

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.
16. No. of acres in lease: 1,910.29
17. No. of acres assigned to this well
19. Proposed depth: 12,260'
20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
10,145' Ungraded Ground
22. Approx. date work will start*
Approval of APD

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
26"	20"	94#	100'	Cement to surface
17 1/2"	13 3/8"	61#	3370'	2000 sx
12 1/4"	9 5/8"	47#, 53, 5#	9120'	1100 sx
8 1/2"	7"	26#, 32#	12,260' to 8200'	500 sx

Amoco Production Company proposes to test the Mississippian to evaluate seismic structure and potential Mississippian Dolomite porosity zone.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 7/19/85
BY: John R. Bechtel
WELL SPACING: 6-3 (c)

TIGHT HOLE

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: John G. Bechtel Title: District Drilling Supervisor Date: 6/26/85
(This space for Federal or State office use)

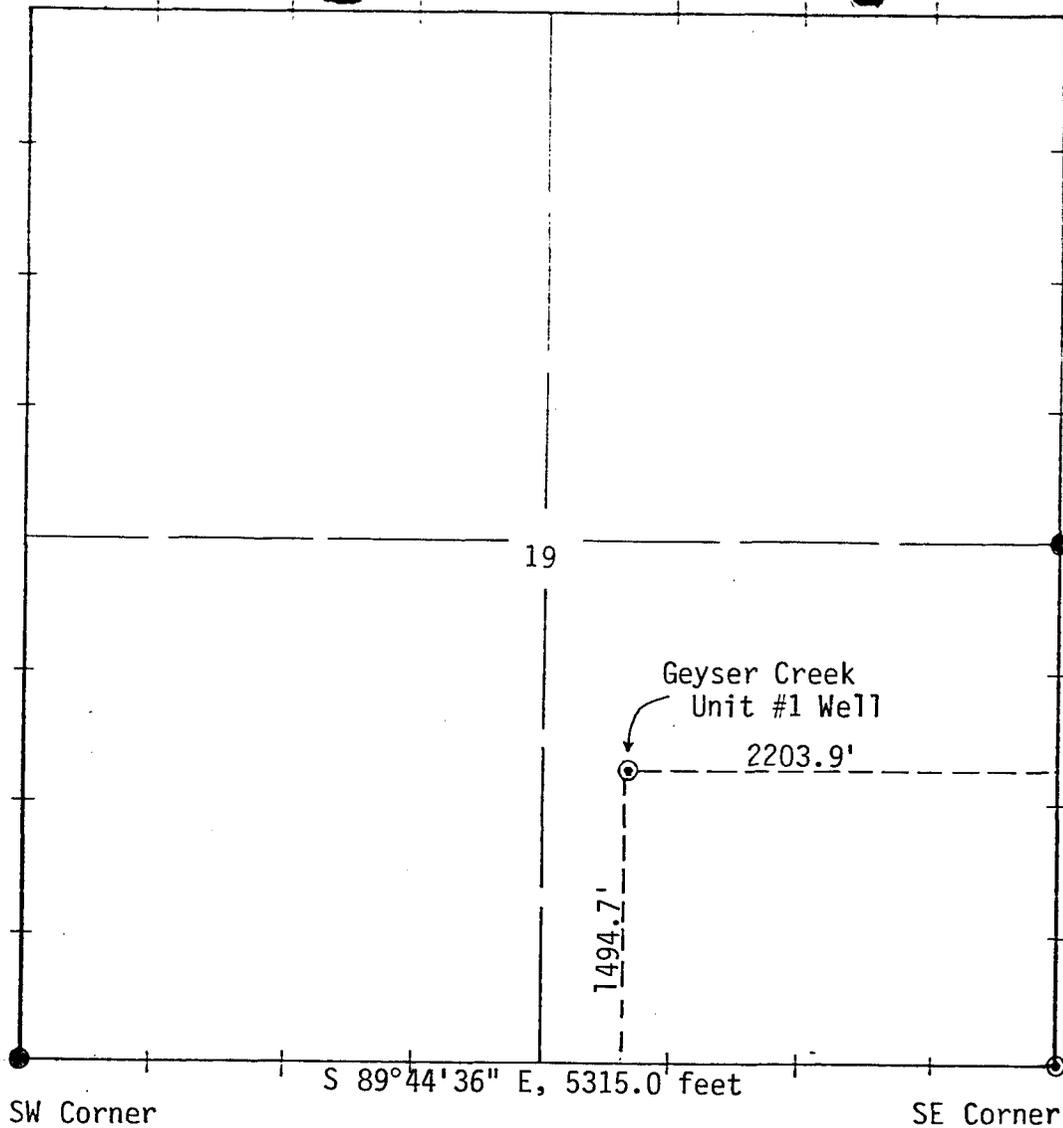
Permit No. Approval Date
Approved by Title Date
Conditions of approval, if any:

NW Corner

T 27 S

R 25 E

NE Corner



SCALE: 1" = 1000'

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

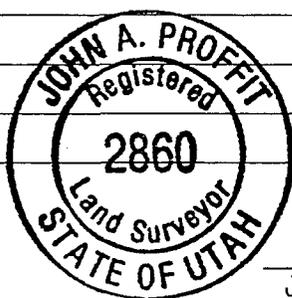
SW Corner

SE Corner

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Reid Smith of Evanston, Wyoming for Amoco Production Co. I made a survey on the 16th day of June, 1985 for Location and Elevation of the Geyser Creek Unit #1 Well as shown on the above map, the wellsite is in the NW 1/4 SE 1/4 of Section 19, Township 27 S, Range 25 E of the Salt Lake Base & Meridian, San Juan County, State of Utah, Elevation is 10,145 Feet Datum Scaled from U.S. G.S. 1" = 62,500' Na Sal NW, Utah quad, 1975 Advance Print.

TIGHT HOLE

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



John A. Proffit 6/26/85
 John A. Proffit, Wyoming R.L.S. NO. 2860

DATE: June 25, 1985
 JOB NO.: 85-10-18

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

AS TLE VALLEY



10-Point Drilling Program

Geyser Creek Unit #1

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

<u>Formation</u>	<u>Depth</u>
Entrada	450'
Wingate	1,370'
Chinle	1,670'
Cutler	3,270'
Hermosa	9,020'
Mississippian	11,460'
#*Miss. Porosity Zone	11,610'
Devonian	11,960'
Total Depth	12,260'

**TIGHT
HOLE**

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

<u>Substances</u>	<u>Depth</u>
Oil Gas, Water	11,610'

- 4) Casing Program:

<u>Hole Size</u>	<u>Casing</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Threads</u>	<u>Cementing Depth</u>
26"	20"	94#	J-55	ST&C	100'
17 1/2"	13 3/8"	61#	K-55/S-95	BTC	3370'
12 1/4"	9 5/8"	47#,53.5#	L-80	BTC/LT&C	9120'
8 1/2"	7"	26#,32#	L-80	FL4S/BT&C/ LT&C	12,260'

Every effort will be made to cement the 13 3/8" casing from setting depth to surface.

- 5) Operators minimum specifications for pressure control equipment are explained on the attached schematic diagram. After running surface casing and prior to drilling out, the BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. BOPs will be tested every 30-day interval and after every string of casing is run. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

6) Mud Program:

<u>Interval</u>	<u>Type Mud</u>	<u>Wt #/gal</u>	<u>Viscosity</u> <u>WL CC/30M</u>
0-3370'	LSND	8.6-9.0	Sufficient to clean and stabilize hole
3370'-9120'	Air-Foam		
9120'-TD	LSND	8.6-9.0	

7) Auxiliary Equipment:

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

8) Testing Program:

DST's 9020' - TD

Logging Program:

DI-SFL w/GR, SP	Base of surface casing to TD
CNL-LDT w/GR, Caliper	Base of surface casing to TD
BHC Sonic w/GR, Caliper	Base of surface casing to TD
4-arm Dipmeter	Base of surface casing to TD
Velocity Survey	To be determined after sonic Log run

Coring Program:

60' core at top of Mississippian Porosity Zone

- 9) No abnormal pressures or temperatures are anticipated. H₂S expected from Mississippian Porosity Zone to Total Depth - Refer to Attached "Contingency Plan"
- 10) Anticipated starting date will be when approved and the duration of drilling operations will be approximately 108 days.

**TIGHT
HOLE**

RECEIVED

Surface Use Plan
for
Geyser Creek Unit Well #1
SE/4, Sec. 19, T.27S., R.25E., San Juan County, Utah

JUL 11 1985

DIVISION OF OIL
& GAS

1. Existing Roads

a. The access route will leave US Highway #46 approximately 12.6 miles East from its intersection with US Highway 191. It will follow County Road #154 (Upper Two Mile Road) from this point for approximately 4.6 miles to its intersection with County Road #153 (Dark Canyon Lake Road). It will then follow County Road #153 for approximately 4.05 miles where realignment and construction of approximately 2 miles of new road will begin. (See attached Exhibit "A" "Access Map")

b. Condition of existing roads: The width, drainage, grade, and surfacing of the existing roads is not adequate for the anticipated traffic loadings.

c. The existing roads will be upgraded to a width and grade to handle the anticipated traffic loadings on a year-round basis.

2. Plans for Access Roads to be Constructed or Reconstructed

a. All existing and new roads will be constructed to a 20' running way width with a crowned and ditched design and culverts as necessary for adequate drainage. (See attached Exhibit "B" typical "Road X-Section and Culvert Installation")

b. The maximum grade for the newly constructed road will be 8%. The maximum grade for the reconstructed existing road will be existing grade.

c. The location and size of culverts and drainage structures is shown in attached Exhibit "C" ("Culvert Schedule") for the portion of existing road to be upgraded. The newly constructed road will have culverts installed as necessary for drainage after the subbase is complete.

d. Both the existing road and the newly constructed road will receive a minimum of 6" of gravel surfacing. The gravel will be obtained from a private source.

e. Any portions of the existing road which are bypassed by the newly constructed road will be reclaimed if the State so desires.

f. All traffic will be confined to the access route and other authorized areas.

g. Amoco Production Company will purchase the timber from the access route at a mutually agreed price based on the fair-market value of the timber. This timber will be removed from the area and disposed of in a beneficial manner.

h. All slash and stumps from the access route will be burned in pits and buried for disposal at mutually agreeable sites. No burning will occur without adequate safeguards and prior approval.

3. Location and Type of Water Supply

a. Water for use in drilling fluids will be obtained from an on-site water well. The permit for this temporary water well has been filed with the State Engineers Office in Salt Lake City.

b. An alternative source of water has been leased from LaSal irrigation at the point where the new road will cross "Slide Rock Springs." This source is being permitted for construction, dust control, and drilling purposes.

c. A further source of water has been leased from Redd Ranches at the point where County Road #154 intersects "Beaver Creek." This source is being permitted for construction and dust control purposes.

d. No additional roads will be required to obtain or haul water from any of these sources.

4. Methods of Handling Waste Disposal

a. Cuttings: Contained in the reserve pit and buried during reclamation.

b. Garbage: Contained in trash cages and hauled to the nearest public landfill.

c. Drilling Fluids: Contained in the reserve pit. Should the amount of fluid exceed the pit capacity, an additional, properly permitted, pit shall be constructed and the water transferred to it. Any such pit will comply with all applicable State and Federal standards and regulations. If the reserve pit fluids meet the State discharge standards for water quality, the fluid will be discharged onto the land surface in an acceptable manner. No discharge will occur without first obtaining a discharge permit from the State of Utah Department of Health, and discharge approval from the Division of Forestry and Fire Control. If an acceptable formation is identified for subsurface disposal of the drilling fluids, the appropriate permits will be obtained and the fluids disposed of down-hole. Should the reserve pit be in danger of overflowing or leakage is found, all additions of fluid will cease until the problem is corrected.

d. Sewage will be disposed of in properly designed septic tank-leach field facilities on-site. These facilities will be permitted with the Southeastern Utah Health District as soon as percolation tests are available. Should the soil type or ground water level preclude the use of a septic tank-leach field system, the sewage will be contained in holding tanks and transported to Moab, Utah for disposal into the City treatment system.

5. Ancillary Facilities

A worker camp, not to exceed 25 persons, will be required adjacent to the drilling site. This camp will be located approximately 400' southwest of the well and will require a 75' x 100' pad.

6. Well Site Layout

a. See attached Exhibit "D" (Typical location/rig layout). The actual well site will be slope staked prior to beginning construction.

b. The reserve pit shall be lined with a reinforced poly liner suitable for the length and type of intended use.

c. The timber, slash, and stumps will be disposed of as previously noted for the access road.

7. Plans for Reclamation of the Surface

a. Any access roads which are to be retained for future use will have the backslopes seeded with a mutually agreeable seed mixture.

b. Any access roads which are to be abandoned will be reclaimed in the following manner:

1- The culverts and any other drainage structures will be removed.

2- Cut and fill slopes will be rounded, reduced, and blended.

3- Cross drain ditches will be constructed at appropriate intervals.

4- The surface will be scarified to a minimum 12" depth.

5- All available topsoil will be distributed across the disturbed area.

6- The disturbed area will be seeded with a mutually agreeable seed mixture.

c. The top 12" of topsoil will be removed and stockpiled from the entire area to be disturbed when constructing the drilling site, camp site, and reserve pit.

d. If the well is non-productive and is abandoned, the pad will be graded and all holes and pits filled except the reserve pit. The reserve pit will be fenced and flagged until dry. At this time the entire location and reserve pit will be recontoured and shaped to blend with the surrounding terrain. The stockpiled topsoil will be evenly spread across the disturbed area. The entire area will then be contour scarified and contour water bars will be constructed. The entire disturbed area will then be reseeded with a mutually agreeable seed mixture.

e. If the well is productive, the pad will be graded and all holes and pits filled except the reserve pit. The reserve pit will be fenced and flagged until dry. At this time the reserve pit will be filled and it and all other areas not needed for production will be recontoured to reduce slopes and blend with the surrounding terrain. The stock-piled topsoil will be evenly spread over these areas and they will be contour scarified and contour water bars will be installed. The entire reclaimed area will then be seeded with a mutually agreeable seed mixture.

8. Other Information

a. The surface is owned by the State of Utah.

b. Amoco Production Company will contract a private archaeologist to conduct an intensive pedestrian survey of the project site including access roads. Any further cultural resource work will be based on the results of this survey.

Reid Smith



Amoco Production Company



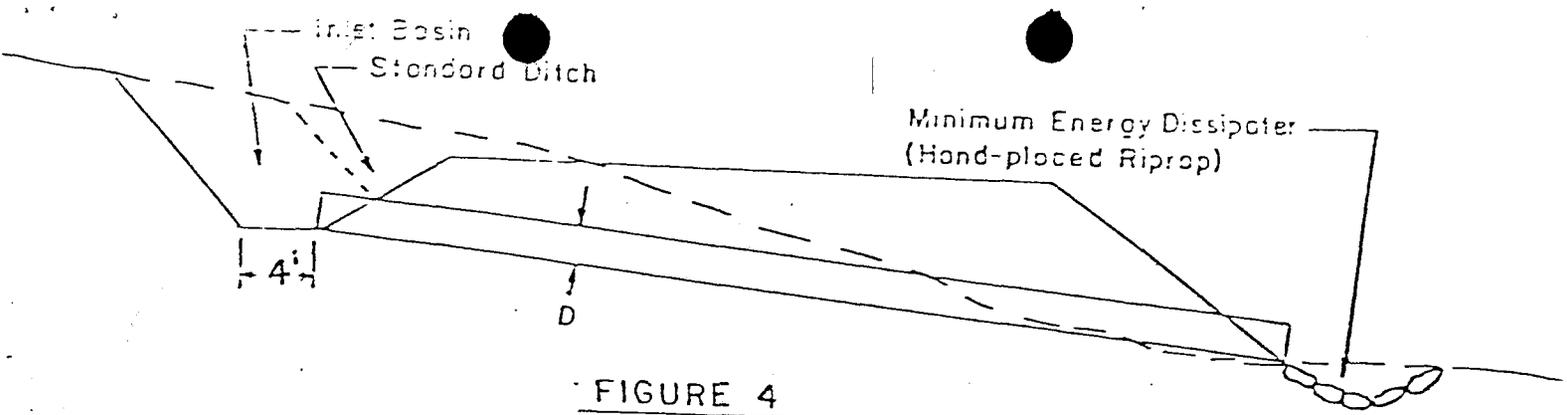
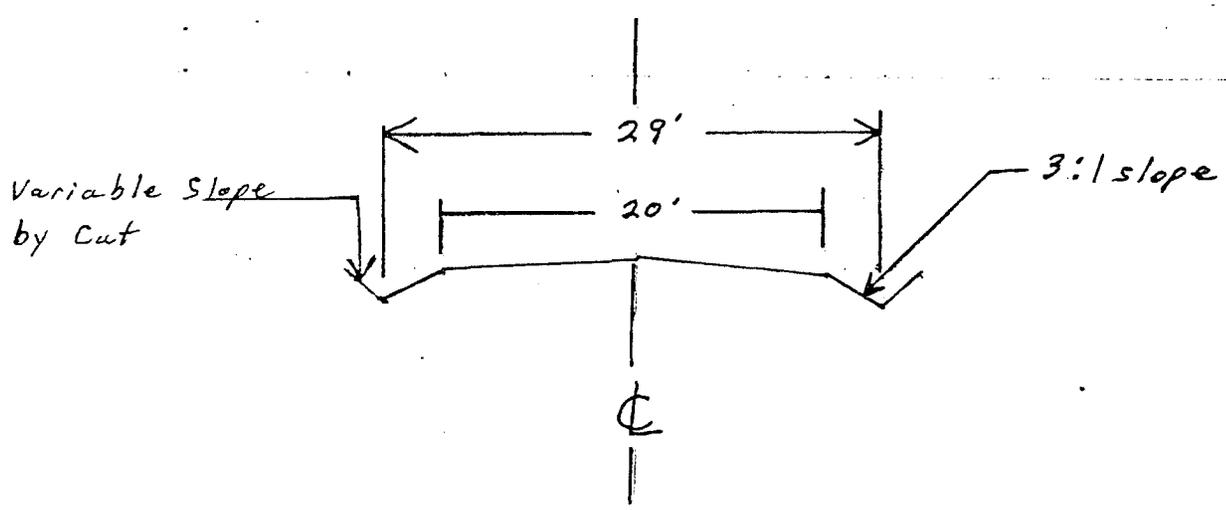


FIGURE 4
 Typical Culvert Installation w/ Inlet Basin

Minimum cover over pipe to subgrade shall be 1 foot at shoulder edge.

The inlet basin shall taper from the normal ditch section 50 feet upstream from the culvert inlet to the section shown in Figure 4. A ditch block shall be constructed at the culvert inlet to direct all ditch drainage through the culvert. The inlet basin will taper back to the normal ditch section 25 feet downstream from the culvert inlet.

Energy dissipators shall be designed for each culvert installation. The standard dissipator for an 18-inch cross drain culvert shall be 4 foot X 4 foot X 1 foot of rock construction as shown above.



Typical Road X-section

<u>MILES</u>	<u>WORK ITEM</u>
0	EXISTING 14' CATTLE GUARD (C.G.): RAISE, EXTEND 8' RIGHT, INSTALL NEW SHEEP GATE
0.1	CONSTRUCT OUTFALL DITCHES (O.F.D.) LEFT AND RIGHT
0.15	FILL IN DRAINAGE DIP (D.D.), MAINTAIN O.F.D.
0.2	ROAD INTERSECTION: INSTALL O.F.D. LEFT AND RIGHT
0.25	FILL IN D.D., MAINTAIN O.F.D. LEFT
0.3	CONSTRUCT O.F.D. RIGHT, MAINTAIN LEFT, FILL IN D.D.
0.4	MAINTAIN O.F.D. LEFT AND RIGHT
0.55	FILL IN D.D., CONSTRUCT O.F.D. LEFT, MAINTAIN RIGHT
0.6	MAINTAIN O.F.D. LEFT
0.65	CONSTRUCT O.F.D. LEFT, MAINTAIN RIGHT
0.8	INSTALL 18" X 40' C.M.P.
0.98	INSTALL 18" X 40' C.M.P.
1.05	ROAD INTERSECTION
1.1	MAINTAIN EXISTING 24" C.M.P.
1.18	EXISTING 36" C.M.P.: CLEAN INLET, RIP-RAP OUTLET
1.35	EXISTING 18" C.M.P.: RAISE ROAD GRADE FOR 1' MINIMUM COVER OVER PIPE
1.55	EXISTING 18" C.M.P.: CONSTRUCT INLET BASIN, RAISE ROAD GRADE FOR 1' MINIMUM COVER
1.65	CONSTRUCT O.F.D. LEFT AND RIGHT
1.8	INSTALL 18" X 40' C.M.P.
2.0	INSTALL 18" X 40' C.M.P.
2.1	GRADE BREAK-THROUGH CUT
2.15	SAG CURVE: WASTE MATERIAL DISPOSAL AREA

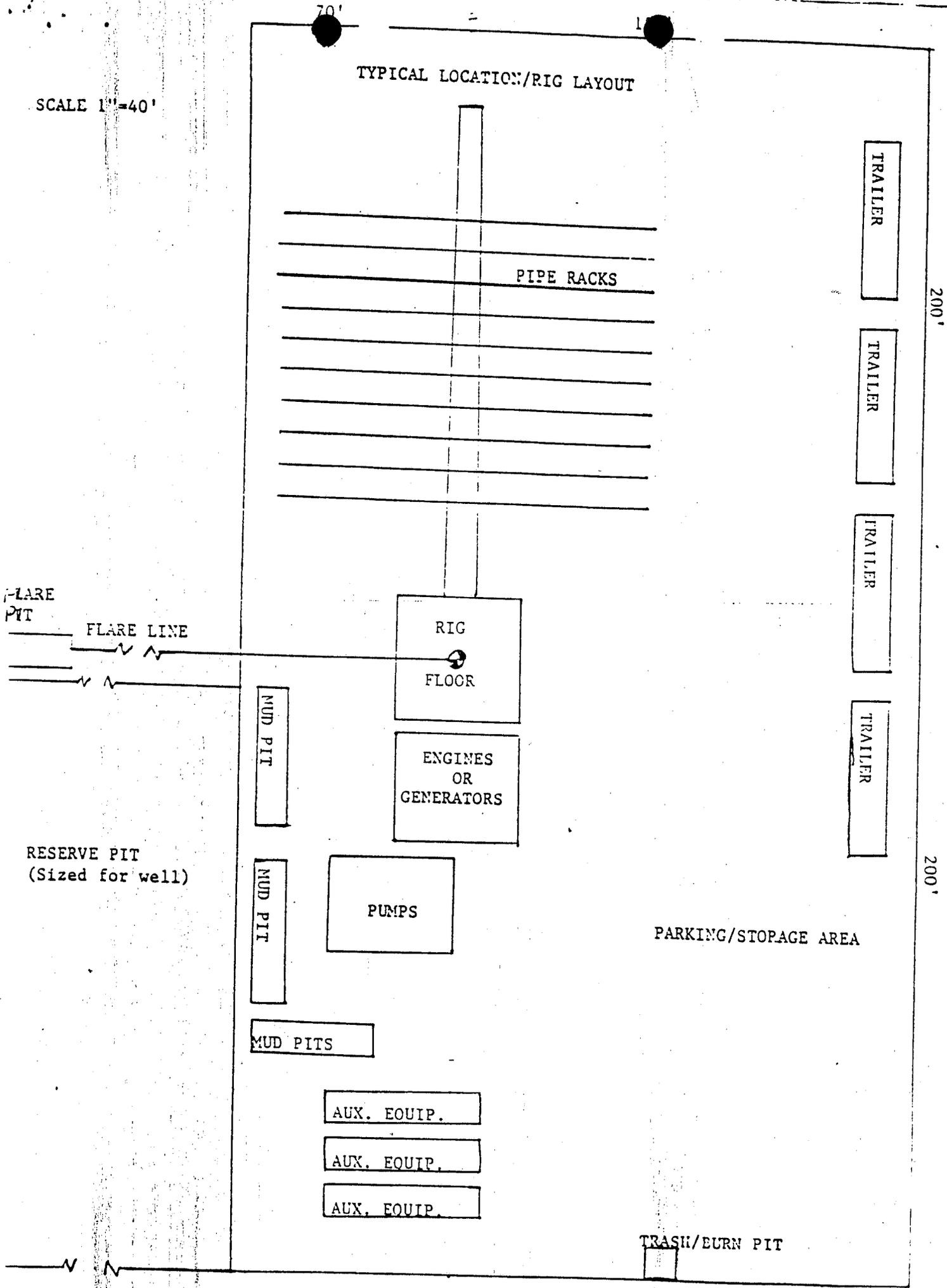
Exhibit "C"

<u>MILES</u>	<u>WORK ITEM</u>
2.25	EXISTING 36" C.M.P.; RIP-RAP INLET AND OUTLET ADD 1' COVER OVER PIPE
2.35	CONSTRUCT O.F.D. LEFT
2.48	GRADE BREAK
2.6	EXISTING 14' C.G.; EXTEND 8' RIGHT AND RAISE
2.65	BEGIN NEW ROAD CONSTRUCTION

Exhibit "C"

TYPICAL LOCATION/RIG LAYOUT

SCALE 1"=40'



PARKING/STORAGE AREA

TRASH/EURN PIT

Exhibit "D"

70'

150'

TYPICAL LOCATION/RIG LAYOUT

SCALE 1"=40'

FLARE PIT

FLARE LINE

RESERVE PIT
(Sized for well)

MUD PIT

MUD PIT

MUD PITS

AUX. EQUIP.

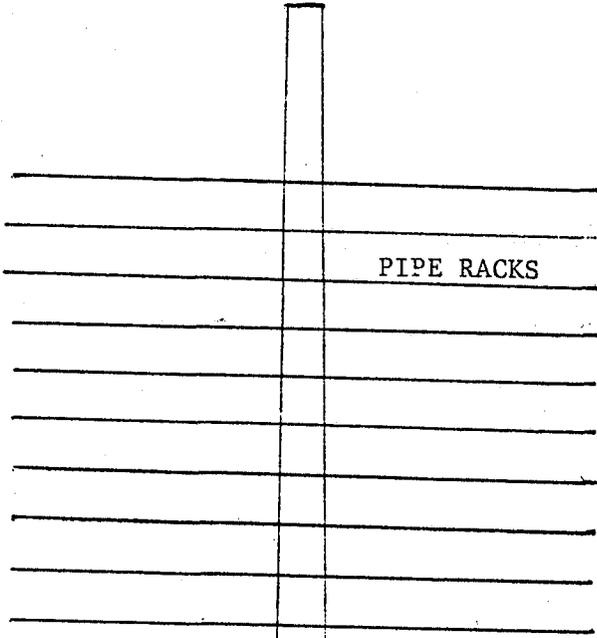
AUX. EQUIP.

AUX. EQUIP.

RIG
FLOOR

ENGINES
OR
GENERATORS

PUMPS



PIPE RACKS

TRAILER

TRAILER

TRAILER

TRAILER

200'

200'

PARKING/STORAGE AREA

TIGHT HOLE

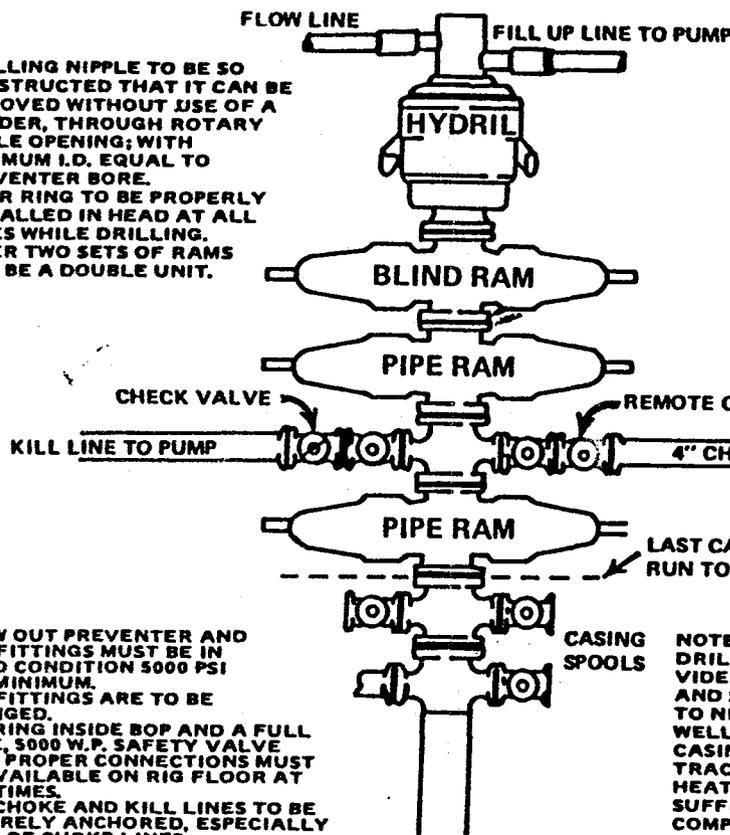
TRASH/BURN PIT



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

NOTE:

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



NOTE:

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

NOTE:

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

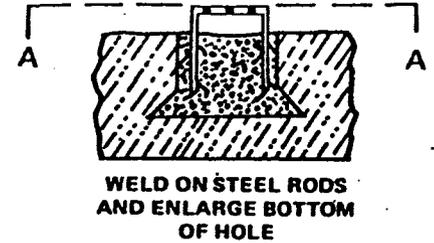
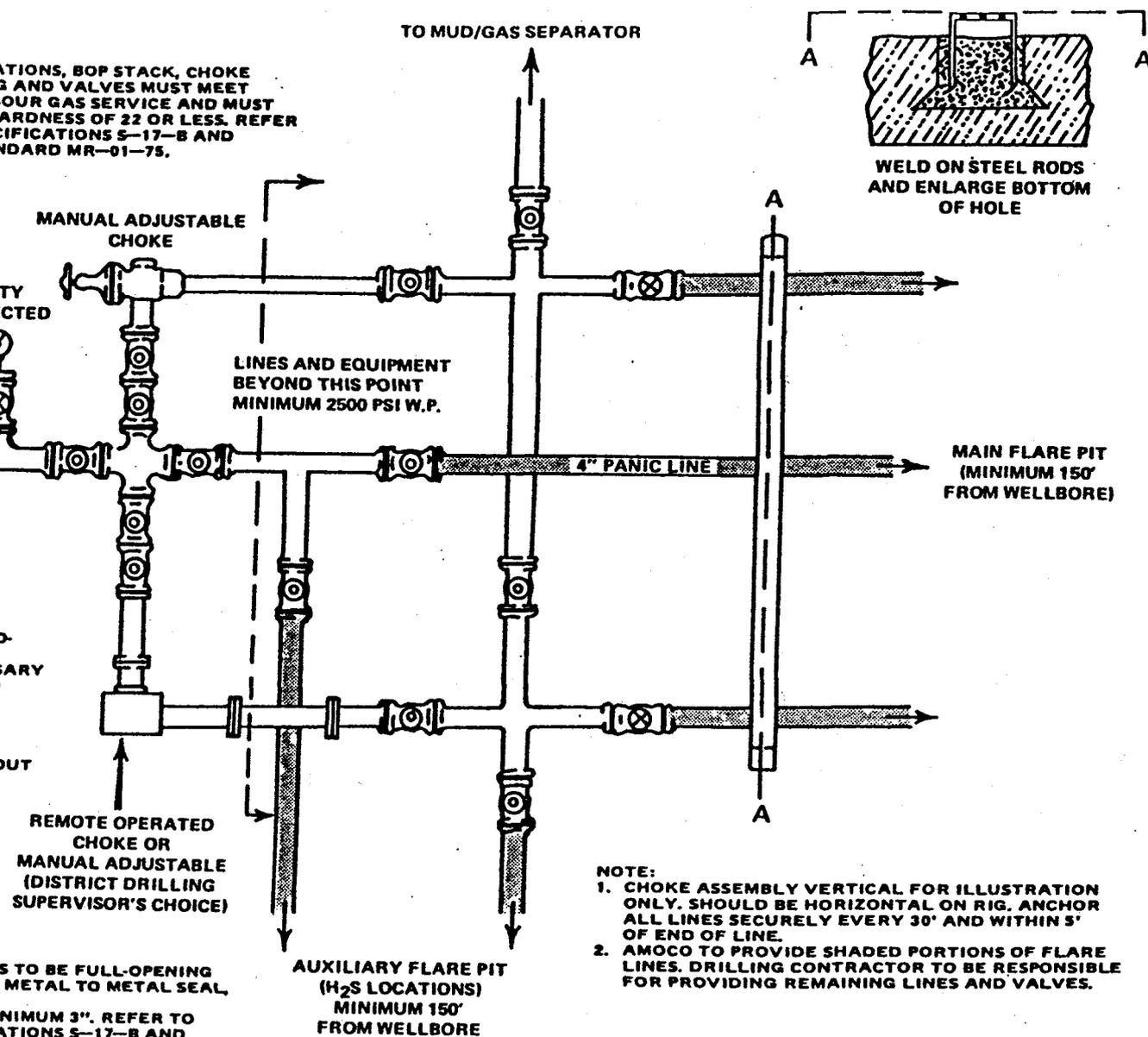
NOTE:

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

NOTE:

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

TO MUD/GAS SEPARATOR



NOTE:

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

CONTINGENCY PLAN

AMOCO PRODUCTION COMPANY
P. O. Box 829
Evanston, Wyoming 82930

ACTION PLAN FOR ACCIDENTAL RELEASE OF H₂S

Geyser Creek Unit #1

**TIGHT
HOLE**

(This plan is subject to updating)
June, 1985

I. PURPOSE:

The purpose of this plan is to safeguard the lives of the public, contract personnel, and company personnel in the event of equipment failures or disaster during the drilling of formations which may contain Hydrogen Sulfide Gas (H_2S).

AMOCO PRODUCTION COMPANY has specified materials and practices for the drilling of this well to protect the safety of all concerned. However, as a precautionary measure this contingency and evacuation plan has been prepared to further assist the safety of all concerned.

II. DESCRIPTION OF HYDROGEN SULFIDE GAS:

H_2S is a colorless gas which smells similar to rotten eggs in low concentrations. In large concentrations however, the sense of smell may be paralyzed rapidly. H_2S is an extremely toxic gas that must be treated with extreme care to prevent injury to people. H_2S is heavier than air (specific gravity = 1.19) and on still days tends to accumulate in low places. This accumulation could build up and lead to dangerous concentrations. However, if the H_2S gas is warmer than air, it will tend to rise until cooled off and could affect workers above the escaping source.

The toxicity of H_2S is as follows:

Period of Exposure:

Prolonged exposure - no adverse effects	10 PPM
Over 1 hour could be hazardous	150 PPM
Possibly fatal in less than 1/2 hour	300 PPM
Fatal in a few minutes	700 PPM

III. TREATMENT OF HYDROGEN SULFIDE POISONING:

- A. Remove the patient to fresh air, call physician or ambulance if possible.
- B. If breathing is labored or has ceased, give artificial resuscitation immediately. Continue until physician is available, even if person appears to be not breathing. Should disaster conditions make it impossible to move to fresh air, keep on your mask and use resuscitator on patient.
- C. After breathing commences, continue victim on oxygen until arrival at hospital. O_2 helps eliminate H_2S from the blood stream.
- D. Prevent shock.
- E. Get patient to a physician as soon as possible.

IV. EQUIPMENT REQUIREMENTS:

A. General:

All equipment to be exposed to H₂S shall be built to NACE Standard MR-01-75, or Amoco specifications if Amoco specifications are more stringent.

B. Blowout Preventer Requirements:

All BOP body and parts (excluding rams) shall be constructed of a carbon steel or low alloy steel with an HRC 22 maximum hardness. Rams shall be built out of low alloy steels (i.e. AISI 4130 or like). The BOP will have the necessary certification stating it is acceptable for an H₂S environment. Copies of this will be provided on location by the contractor toolpusher.

On initial installation the blowout preventer stack will be tested to the full working pressure rating or working pressure rating of the last casing spool, whichever is less. It will be tested routinely thereafter, not to exceed 30 days. The stack will also be tested any time a seal has been broken, a leak experienced, or a known H₂S bearing formation is to be drilled.

C. Drill String Requirements:

All drill string components shall be to API specifications for tubular goods in controlled environments. Typically, grade E drill pipe will be used. Grade G or X drill pipe may also be used when needed. All components will be inspected to IADC critical service specifications prior to running in the well. Corrosion will be monitored by coupons.

D. Choke Lines and Kill Manifold:

Choke lines and kill manifold shall be constructed of ASTM 106 grade B or A-53 grade B.

E. Casing and Wellhead Equipment:

Casing shall be constructed to API requirements for sour gas wells. The casing to be run will be K-55, C-75 type 2, L-80 or SS-95.

The 13 3/8 casing will be set at approximately 3370 feet in the Cutler formation, and cemented back to surface with Class G or H cement. The amount of cement will be determined by hole size after drilling.

After running and cementing the 13 3/8" casing, the BOPs will be nipped up and pressure tested to the full working pressure rating or the working pressure rating of the last casing spool, whichever is less. Prior to drilling out, the casing string will be pressure tested to 1000 psi, or to an equivalent pressure of 0.2 psi/ft of depth, or to 80% of casing burst strength, whichever is greatest.

Wellhead equipment will be constructed to Amoco specifications. From the tubing head up all valves shall have stainless steel balls and seats with monel stems, which complies to a NACE 1 trim. Valve bodies to be made from carbon or low alloy steel with HRC 22 maximum. All welds will be x-rayed and stress relieved.

V. SAFETY AND MONITORING EQUIPMENT:

A. Gas Monitoring Equipment:

1. A continuous H₂S monitoring system with four or more H₂S detection heads will be in operation. These monitors will be located at: 1) rig floor, 2) bell nipple, 3) shale shaker, 4) pump room. These units will be monitored in the mud loggers trailer and/or the dog house. Each unit will be set to trigger a blinking light on the rig floor should the amount of H₂S reach 10 PPM, and to trigger an alarm siren @ 20 PPM.

Any time it is necessary to deactivate the alarm (If H₂S is continuously present) a trained operator or H₂S Supervisor will monitor the detection system.

2. Hand sampling gas detectors will be used to check areas not covered by automatic monitoring equipment.
3. A mud duck will be installed in the mud logger's trailer with a probe at the flowline, which will monitor the concentration of any entrained H₂S in the drilling fluid.

B. Safety Equipment

1. The following safety equipment will be available:

Escape packs:

- 1 - 5 minute work escape pack in the derrick
- 6 - 5 minute work escape packs on the rig floor
- 2 - 5 minute work escape packs at various points along mud tanks
- 1 - 30 minute pack in each trailer
(2 in mud logger's trailer)
- 1 - 30 minute pack at bottom of steps
- 1 - 30 minute pack in mud shed
- 1 - 30 minute pack in tool shed
- 2 - 30 minute packs in dog house

Total: 10 - 30 minute packs
 12 - 5 minute packs

Cascade System:

- 10 - 300 cu. ft. cylinder air cascade
- 2 - 5 outlet manifold on floor (1 each side)
- 2 - 5 outlet manifolds on mud tanks
- 12 - line masks (same as 5-minute packs)
- 1500' low pressure air line hose with quick connects
- 2 - briefing areas (minimum)

Other Equipment:

- 4 - wind socks
- 36 unit - first aid kits
- 1 - oxygen resuscitator with spare cylinder
- 2 - flare guns with shells
- 1 - stretcher
- 1 - combustable gas monitor
- 2 - safety belts with safety lines

When the 13 3/8" surface casing is run and cemented, ventilation fans will be placed on the rig floor and under the rig floor.

NOTE: Respirators shall comply with OSHA standards, part 1910.134, Respiratory Protection.

This equipment is available for persons normally on location. This includes the five man crew, toolpusher, Amoco drilling supervisor and mud loggers. Maximum number of people to be on location during normal drilling operations should range from ten to twelve.

2. Two areas on location will be designated as BRIEFING AREAS. The one that is upwind from the wellbore will be designated as the "SAFE BRIEFING AREA". The "SAFE BRIEFING AREA" will be recognized by the positioning of the SAFETY trailer in this area.
3. The H₂S "SAFETY" trailer provided by a safety contractor will contain the equipment listed in V-B. 1 (above) and will have a wind sock or streamer to indicate wind direction.
4. A second wind sock or streamer will be located at the end of catwalk and visible from the rig floor.
5. A condition warning sign will be displayed on location and at entrance of location regarding current operating condition.
6. The emergency procedure (attached) will be kept on rig floor, contract toolpusher's trailer, Amoco's trailer and in safety trailer.

7. Two barricades will be available to block entrance to location should an emergency occur.
8. An external communication system should be installed in Amoco's trailer, mud logger's unit and on rig floor.
9. An internal communications system should be installed between company trailer house, contract toolpusher's quarters, mud logger's unit, rig floor, shale shaker, mud mixer area and choke manifold.
10. An undulating high and low pitch siren will be installed.

VI. CREW TRAINING AND PROTECTION:

A. Blowout Prevention Drills:

Pit drill and trip drill training will be held with each crew until proficient in closing the well in. Drills will be held on a regular basis thereafter, with at least one drill per crew with the Drilling Supervisor or contract toolpusher triggering the alarm. Reaction time will be checked from the time the alarm goes off until the well is simulated closed in. Closing time should be under two minutes. A copy of AMOCO PRODUCTION COMPANY'S Oil and Gas Blowout Drill Procedure will be posted on the rig floor.

B. H₂S Training and Drills:

All personnel on site will be trained in H₂S safety when the 13 3/8 surface casing is run and cemented. In addition, periodic drills will be held for all personnel. All personnel on site will be certified in H₂S safety and will maintain a valid certification. An H₂S safety company will be rigged up at least 1,000' before any H₂S bearing zones are encountered and will be on site 24 hours per day until completion or plugging of the well.

Training will include: the correct use of the fresh air breathing equipment, wind socks, safety ropes, harnesses, and oxygen resuscitator with instruction on artificial resuscitation and on the emergency procedure.

H₂S drills will be held periodically. The Amoco representative along with the toolpusher, shall plan and activate drills. They will activate the H₂S alarm without warning and participate in the drill. The crew will proceed to put on a mask and secure well as per posted drilling procedure.

C. Circulating Through Choke

A non-emergency situation can exist where it may be necessary to circulate wellbore fluids containing H₂S gas through the choke manifold system. These situations could be gas cutting of the

mud, a gas bubble from bottoms up after tripping or a fluid influx from the mud hydrostatic being underbalanced to the formation pressure. In these cases the well is still under control and while the bubble is circulated out and/or the appropriate mud weight for the system is obtained, it may be necessary to flare H₂S gas through the choke manifold. Steps for ignition of this flare and insuring it stays lit will include the following.

1. The Amoco representative will designate a person, usually a member of the drill crew, to be responsible for maintaining a pilot light in the flare pit.
2. The pilot light for the flare ignition will generally be a burning 5 gallon bucket of diesel. If unusual or safety considerations warrant its use, an automatic ignitor system may be employed.
3. A minimum of two (2) flare guns will be on location. One each for Amoco drilling foreman, and H₂S safety hand. It will be the responsibility of the Amoco representative or tool pusher on location to insure the ignition of the flare is handled in a safe and prudent manner.

VII. MUD ADDITIVES:

A water-base mud system will be used. At approximately 500 feet above the expected hydrogen sulfide formation (Phosphoria) the system will be treated with Zinc Chelate. For normal drilling operations a concentration of 1-2 ppb will be maintained in the system. The mud will be maintained at a pH of 10.5 or above from this point to total depth.

VII. LOCATION OF RESIDENTS:

(See Attached Exhibit)

IX. WELL TESTING PROCEDURES:

All equipment including drill string and tubing string members and tools, surface test units, and miscellaneous related testing equipment shall conform to NACE Standard MR-01-75, or Amoco specifications if Amoco specifications are more stringent.

X. EMERGENCY EVACUATION PLAN:

(See Attachment)

X. EMERGENCY EVACUATION PLAN

NOTE: This attachment shall be posted on the bulletin board contained in the dog house, with extra copies contained in the contract toolpushers trailer, Amoco trailer and in the safety trailer.

Designation of Responsibility:

In order to assure the proper execution of this plan, it is essential that one person be responsible for, and in complete charge of, implementing these procedures. Therefore, responsibility shall be designated in the following order, depending on who is on location:

1. Amoco Production Company's Representative
(Drilling Foreman)
2. Contract Toolpusher

Definition of Warning Signs:

Condition: Green - Normal Operations

Condition: Yellow - Potential Danger - Caution

Cause for Condition:

1. Circulating
2. Trip gas after trips
3. Circulating gas out on choke
4. Poison gas present, but below threshold levels

Condition: Red - EXTREME DANGER

Cause for Condition:

1. Uncontrolled Well
2. Poison gas present above threshold levels

Emergency Procedures:

Condition Yellow:

1. Check safety equipment and keep it with you
2. Be alert for a change in condition warning sign
3. Follow instructions

Condition Red:

Upon release of potentially hazardous volume of hydrogen sulfide gas, this program shall be initiated immediately:

1. Set off alarm. Evacuate all persons off location to "safe briefing area" that is upwind. Check that all persons are present. If not, proceed with evacuation from hazardous area in the following manner:

- a. Two persons, re-enter hazardous area with air packs and each attached to an assistant via safety line. The assistant shall also be wearing respiratory equipment but outside of the hazard area.
- b. Locate and evacuate all other persons in hazardous area to safety briefing area.
- c. Proceed with emergency first aid to all injured. Call for ambulance and alert hospital that victim is being transported, giving estimated time of arrival.

MEDICAL PERSONNEL

ALLEN MEMORIAL HOSPITAL-----801-259-7191
SAN JUAN CO. HOSPITAL-----801-587-2116

Hospital Administrator, Norman Campeau
Hospital Administrator, Rayburn Jack

Dr. J.P. Munsey-----801-259-6187(Office)
801-259-5353(Home)
Dr. C.D. Goon-----801-587-2282(Office)
801-587-2552(Home)

AMBULANCE (Moab)-----801-259-7403
AMBULANCE (Montacello)-----0-ZENITH 110

LIFE FLIGHT-----801-321-1234

2. Locate, define problems and proceed with emergency shut-in procedures per Amoco Production Company Blowout Drill Procedure.
3. Stay in "safe briefing area" unless instructed to do otherwise. Continuously monitor air quality in briefing area.
4. Only enter hazardous area with adequate air supply and attended by someone with a safety rope.
5. Call Company personnel in the following order, until one is contacted. Inform him of the problem and what actions have been taken. It is then his responsibility to contact his supervisor.

<u>NAME</u>	<u>OFFICE</u>	<u>RESIDENCE</u>
W. G. Shaffer	307-789-1700	307-789-9750
P.E. Norwood	307-789-1700	307-789-5402
C.A. Griffith	307-789-1700	307-789-7126
J. G. Bechtel	307-789-1700	307-789-6198
D. R. Adams	307-789-1700	307-789-3653
D. Bode	307-789-1700	None
V. E. Prater	307-789-1700	307-789-6309
T. G. Doss	307-789-1700	307-789-0401
G. D. Henry	307-789-1700	307-789-5128

6. Notify the appropriate agencies and law officers that an emergency situation exists and help is needed.

LAW ENFORCEMENT AGENCIES

SHERIFF DEPARTMENT (Moab)-----801-259-8115
SHERIFF DEPARTMENT (Montacello)-----801-587-2231

SHERIFF, Grand County
James Nyland-----801-259-8115
SHERIFF, San Juan County
Rigby Wright-----801-587-2237

HIGHWAY PATROL (Moab)-----801-677-2571
(Patrolman Gene Reeder)
HIGHWAY PATROL (Montacello)-----801-587-2662
(Patrolman Don Kilgron)

UTAH OIL & GAS BOARD

Oil & Gas Conservation Commission
Casper, Wyoming -----801-533-5771

BUREAU OF LAND MANAGEMENT

BLM (Oil & Gas Operations)
Salt Lake City, Utah-----801-524-5330

FIRE DEPARTMENT

Fire Department (Moab)-----801-259-5551
Fire Department (Montacello)-----801-587-2500

Fire Chief, Moab-----801-259-5551
Troy Black

Fire Chief, Montacello-----801-587-2804
Joe Slade

UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY

Environmental Air Quality Division
Coalville, Utah
Bob Swenson-----801-533-6108

7. The State Police shall contact residents in the one (1) mile danger zone, and start evacuation with those in the down wind direction of the rig.

8. In the event that a blowout should occur, the decision regarding ignition of the escaping gas will be made by the Amoco representative on location after consultation, if possible, with the appropriate supervisor or management personnel listed previously. However, if the seriousness of the situation does not allow time for consultation, the Amoco representative on location has the authority to make the decision to ignite as a last resort where it is clear that human life and property are in jeopardy and/or the chance of controlling the well under the prevailing conditions are very remote.
9. Meet with appropriate agencies and law officers as soon as practical to brief them on the situation and coordinate evacuation efforts.

CONFIDENTIAL

102701

OPERATOR Amoco Production Co DATE 7-3-85
 WELL NAME Serpent Creek ~~Unit~~ #1
 SEC NWSE 19 T 27S R 25E COUNTY San Juan

43-037-31174
API NUMBER

State
TYPE OF LEASE

CHECK OFF:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> PLAT | <input checked="" type="checkbox"/> BOND | <input checked="" type="checkbox"/> NEAREST WELL |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:

No other wells in Sec 19.
Need Water permits
Designation - Edson

APPROVAL LETTER:

- SPACING: A-3 _____ UNIT c-3-a _____ CAUSE NO. & DATE
- c-3-b c-3-c

STIPULATIONS:

- 1 - Water
- 2 - Exception location
- 3 - Designation from Edson
- 4 - (See attachment)
- 5 - (See attachment)
- 6 - For the purposes of reclamation of surface disturbances

4. Gas produced during drilling and for testing purposes shall be conducted to a safe distance from the wellhead and flared.
5. The operator shall contact Patrick DeGruyter, Oil and Gas Field Specialist, (801) 259-6398, prior to casing pressure tests, initial BOPE tests, drill stem tests, or other procedures which the Division may require to be witnessed.
6. The reserve pit shall be lined with a plastic liner as stated in the approved surface use plan to prevent the vertical or lateral migration of fluids from the pit. The drill site shall be trenched or otherwise bounded in such a way as to prevent any fluids or other materials from the operations from discharging from the site.
7. For the purposes of reclamation of the well location, the operator will review and obtain approval for the amount and type of seed mix to be used with this Division and the Division of State Lands and Forestry.
8. If the well is completed for production, the operator will submit to this Division a site layout and description of production facilities. No facilities or wellhead equipment will be installed without prior approval of this Division.
9. Surface facilities used for producing the well shall be painted an unobtrusive color which blends with the surrounding environment, as determined by this Division in consultation with the Division of State Lands and Forestry.
10. The production site shall be trenched or otherwise bounded in such a way as to prevent any fluids or other materials from the operation from discharging from the site.
11. The operator shall conduct all other operations as stated on the approved APD, drilling program, and surface use plan and in accordance with the General Rules and Regulations and Rules of Practice and Procedure, as amended from time to time, of the Board of Oil, Gas and Mining.

ONSITE PREDRILL INSPECTION FORM

COMPANY Amoco Production Company WELL NO. Geyser Creek #1

LOCATION: SECTION NWSE19 TOWNSHIP 27S RANGE 25E COUNTY San Juan

LEASE NO. ML-38680 ONSITE INSPECTION DATE 16 July 1985

(A) PERSONS IN ATTENDANCE Stan Baker/State Lands-Utah, Reid Smith/Amoco,
Pat deGruyter/State of UT-DOGM, Glenn Goodwin/State of UT-DOGM

(B) SURFACE FORMATION AND CHARACTERISTICS rocky, fairly rich topsoil

(C) BRIEF DESCRIPTION OF VEGETATION primarily aspen, grasses & undergrowth, and
a few spruce

(D) ARCHAEOLOGICAL CLEARANCE: YES OR NO yes

(E) DESCRIPTION OF TOPOGRAPHY (drainages, slope, roads, etc.) Fairly steep
side of mountain - deepest cut on location will be 44.9' @ NW corner of reserve pit

(F) CONDITIONS FOR APPROVAL:

PIT LINING (YES OR NO) yes

TYPE OF LINING IF NEEDED fiber reinforced plastic of at least 6 mil thickness

ADDITIONAL REQUIREMENTS _____

SIGNATURE: Pat deGruyter

TITLE 16 July 1985
Oil & Gas Field Specialist



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

July 19, 1985

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

Gentlemen:

Re: Well No. Geyser Creek 1 - NW SE Sec. 19, T. 27S, R. 25E
1495' FSL, 2204' FEL - San Juan County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 500 feet of the proposed location.
3. Receipt of a Designation of Operator from Exxon.
4. Gas produced during drilling and/or testing shall be conducted to a safe distance from the well and flared.
5. The operator shall contact Patrick DeGruyter, Oil and Gas Field Specialist, (801) 259-6398, prior to conducting casing pressure tests, initial BOPE tests, drill stem tests, or other procedures which the Division may require to be witnessed.
6. As stated in the approved surface use plan, the reserve pit shall be lined with a plastic liner to prevent the vertical or lateral migration of fluids from the pit. The drill site shall be trenched or otherwise bounded in such a way so as to prevent any fluids or other materials from the operations to be discharged off the well-site.
7. For the purpose of reclamation of the well location, the operator will review and obtain approval for the amount and type of seed mixture to be used with this Division and the Division of State Lands and Forestry.

Page 2

Amoco Production Company
Well No. Geyser Creek #1
July 19, 1985

8. If the well is completed for production, the operator will submit a site layout and description of production facilities to this Division. No facilities or wellhead equipment will be installed without prior approval of this Division.
9. Surface production facilities shall be painted an unobtrusive color which blends with the surrounding environment, as determined by this Division in consultation with the Division of State Lands and Forestry.
10. The production site shall be trenched or otherwise bounded in such a way as to prevent any fluids or other materials from the operation to be discharged off the wellsite.
11. The operator shall conduct all other operations as stated on the approved APD, drilling program, and surface use plan and in accordance with the General Rules and Regulations and Rules of Practice and Procedure, as amended or revised, of the Board of Oil, Gas and Mining.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 3
Amoco Production Company
Well No. Geyser Creek 1
July 19, 1985

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31174.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: State Lands
Branch of Fluid Minerals



STATE OF UTAH
NATURAL RESOURCES
Wildlife Resources

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
William H. Geer, Division Director

Southeastern Region • 455 West Railroad Avenue • Price, UT 84501-2829 • 801-637-3310

July 22, 1985

John Baza, Petroleum Engineer
Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RECEIVED

JUL 29 1985

DIVISION OF OIL
GAS & MINING

Dear John:

In regards to AMOCO's proposed well (T27S, R25E, Sec. 19, SW 1/4, NW 1/4, SE 1/4, San Juan County, Utah) that will be located at the 10,160 foot elevation just east of Mt. Peale on the LaSal Mountains, The Division has some concern. It is our understanding that approximately 20 miles of road located on state, private and U.S. Forest Service lands, will be upgraded (new road will be constructed in Secs. 19, 30, and 29) to reach the well pad site. Additionally, we understand that the well will require at least one year drilling effort, resulting in year-around activity along the road and at the well site. Our greatest concerns revolve around impacts to high-valued wildlife habitat (terrestrial and aquatic) as well as displacement of animals due to disturbance during crucial periods. To a lesser extent, we are concerned over the conflict that will arise between drilling activities and sportsmen activities during the fall big game hunting season, the area of the project, particularly. The road corridor represents critical and high-priority valued habitats or use areas for numerous game species (mule deer, rocky mountain elk, black bear, merriams turkey, and blue grouse).

During upgrading and construction of the road, directed care needs to be taken to ensure that fisherie values are protected and state water quality standards are not violated at points of stream crossing. Any increase in turbidity (sediment loading) resulting from road work must be limited to no more than 10 Nephelometric Turbidity Units (NTU) above background conditions when they range from 0 to 100. If the background NTU is greater than 100, then maximum allowable increase in turbidity cannot exceed 10 percent. Temporary instream sediment traps (a series of ten structures) using an alternating pattern of straw dams and filter fabric (100 mesh) have proven useful for short-term control of man-caused siltation. Either structure can be supported with hog-wire fence that is anchored with steel posts driven into the stream bottom. Sediment traps must be installed immediately downstream from a disturbance or sediment entry point. They require frequent cleaning--a backhoe can pull collected sediments from behind straw dams and filter fabric can be changed. (Sediments must not be placed on the bank where a precipitation event could wash them into the stream. Rather, they must be hauled away to an approved disposal site or buried.)

John Baza
Page 2
July 22, 1985

It is anticipated that development of new lengths of road will proceed simultaneously with the permanent closure and reclamation of abandoned road lengths. Road development should be such that a similar quality road be developed on all land ownership patterns lying along the right-of-way. This will preclude segmented upgrading of the road in later years and during crucial seasons. Note, road and drill pad development should be disallowed between April 15, and July 5. It is during this period of time that parturition occurs for most wildlife; they (adults and young) are extremely sensitive to disturbance at this time. As you know, disturbance and disturbance caused behavior results in unnecessary mortality to wildlife.

If a mineral resource is developed and additional prospects become a reality, a well planned travel system must be addressed. Development of numerous roads would be especially detrimental to wildlife resources. This prospect and future ones must be planned such that human visitations during operations are minimized.

Revegetation of disturbed areas (castings and spoils associated with road work, pad site and abandoned segments of existing or new road) should be expeditious and planned for the first fall after disturbance or abandonment. Seedings should favor forage species for game animals as well as rapid vegetation establishment.

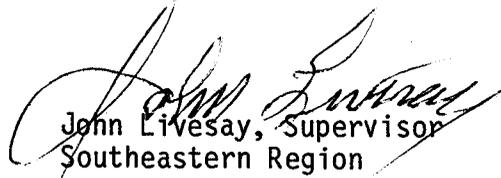
Since a crew will live temporarily at the drill site, they should be precluded from keeping dogs. These pets have proven to be especially damaging to wildlife under like conditions throughout the west.

During the fall big game hunting season, road construction, if still on-going, should be discontinued from October 1 through October 6, and again on October 12 and 13, 1985. Cessation of construction should also be implemented between October 18 and 21, and again on October 26 and 27, 1985. This will lessen negative interaction between big game hunters and development of the prospect. Operations at the well site should not substantially interfere with sportsmen.

John Baza
Page 3
July 22, 1985

Thank you for an opportunity to provide comment.

Sincerely,



John Livesay, Supervisor
Southeastern Region

JL/LBD/dd

cc: Darrell Nish, SLO
Garth Carter
Reid Smith
Pat deGruyter
Jim Karpowitz, SERO Gm. Mgnt.



STATE OF UTAH
NATURAL RESOURCES
Wildlife Resources

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
William H. Geer, Division Director

Southeastern Region • 455 West Railroad Avenue • Price, UT 84501-2829 • 801-637-3310

July 22, 1985

John Baza, Petroleum Engineer
Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RECEIVED

JUL 29 1985

DIVISION OF OIL
GAS & MINING

Dear John:

In regards to AMOCO's proposed well (T27S, R25E, Sec. 19, SW 1/4, NW 1/4, SE 1/4, San Juan County, Utah) that will be located at the 10,160 foot elevation just east of Mt. Peale on the LaSal Mountains, The Division has some concern. It is our understanding that approximately 20 miles of road located on state, private and U.S. Forest Service lands, will be upgraded (new road will be constructed in Secs. 19, 30, and 29) to reach the well pad site. Additionally, we understand that the well will require at least one year drilling effort, resulting in year-around activity along the road and at the well site. Our greatest concerns revolve around impacts to high-valued wildlife habitat (terrestrial and aquatic) as well as displacement of animals due to disturbance during crucial periods. To a lesser extent, we are concerned over the conflict that will arise between drilling activities and sportsmen activities during the fall big game hunting season, the area of the project, particularly. The road corridor represents critical and high-priority valued habitats or use areas for numerous game species (mule deer, rocky mountain elk, black bear, merriams turkey, and blue grouse).

- ① During upgrading and constuction of the road, directed care needs to be taken to ensure that fisherie values are protected and state water quality standards are not violated at points of stream crossing. Any increase in turbidity (sediment loading) resulting from road work must be limited to no more than 10 Nephelometric Turbidity Units (NTU) above background conditions when they range from 0 to 100. If the background NTU is greater than 100, then maximum allowable increase in turbidity cannot exceed 10 percent. Temporary instream sediment traps (a series of ten structures) using an alternating pattern of straw dams and filter fabric (100 mesh) have proven useful for short-term control of man-caused siltation. Either structure can be supported with hog-wire fence that is anchored with steel posts driven into the stream bottom. Sediment traps must be installed immediately downstream from a disturbance or sediment entry point. They require frequent cleaning--a backhoe can pull collected sediments from behind straw dams and filter fabric can be changed. (Sediments must not be placed on the bank where a precipitation event could wash them into the stream. Rather, they must be hauled away to an approved disposal site or buried.)

John Baza
Page 2
July 22, 1985

It is anticipated that development of new lengths of road will proceed simultaneously with the permanent closure and reclamation of abandoned road lengths. Road development should be such that a similiar quality road be developed on all land ownership patterns lying along the right-of-way. This will preclude segmented upgrading of the road in later years and during crucial seasons. Note, road and drill pad development should be disallowed between April 15, and July 5. It is during this period of time that parturition occurs for most wildlife; they (adults and young) are extremely sensitive to disturbance at this time. As you know, disturbance and disturbance caused behavior results in unnecessary mortality to wildlife.

If a mineral resource is developed and additional prospects become a reality, a well planned travel system must be addressed. Development of numerous roads would be especially detrimental to wildlife resources.

④ This prospect and future ones must be planned such that human visitations during operations are minimized.

⑤ Revegetation of distrubed areas (castings and spoils associated with road work, pad site and abandoned segments of existing or new road) should be expeditious and planned for the first fall after disturbance or abandonment. Seedings should favor forage species for game animals as well as rapid vegetation establishment.

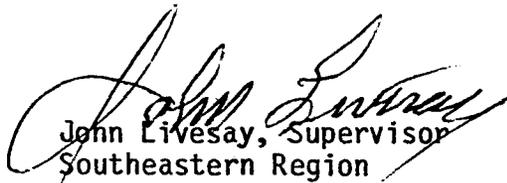
⑥ Since a crew will live temporarily at the drill site, they should be precluded from keeping dogs. These pets have proven to be especially damaging to wildlife under like conditions throughout the west.

⑦ During the fall big game hunting season, road construction, if still on-going, should be discontinued from October 1 through October 6, and again on October 12 and 13, 1985. Cessation of construction should also be implemented between October 18 and 21, and again on October 26 and 27, 1985. This will lessen negetative interaction between big game hunters and development of the prospect. Operations at the well site should not substantially interfere with sportsmen.

John Baza
Page 3
July 22, 1985

Thank you for an opportunity to provide comment.

Sincerely,



John Livesay, Supervisor
Southeastern Region

JL/LBD/dd

cc: Darrell Nish, SLO
Garth Carter
Reid Smith
Pat deGruyter
Jim Karpowicz, SERO Gm. Mgnt.

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Surface Owner - State of Utah - Under current operated oil and gas lease.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Vann E. Prater
Signature of Applicant*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH,
County of.....

ss

On the day of 19....., personally appeared before me, a notary public for the State of Utah, the above applicant, who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

(SEAL)

Notary Public

FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

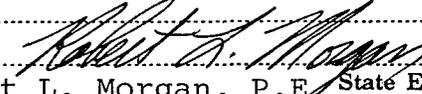
Flow rate — c.f.s.	Cost	
0.0 to 0.1	\$ 15.00	
over 0.1 to 0.5	30.00	
over 0.5 to 1.0	45.00	
over 1.0 to 15.0	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0	150.00	foot per second.

Storage — acre-feet		
0 to 20	22.50	
over 20 to 500	45.00	
over 500 to 7500	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500	150.00	500 acre feet.

(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. 6/24/85 Application received by mail in State Engineer's office by CO
over counter
2. Priority of Application brought down to, on account of
3. 7-9-85 Application fee, \$15.00, received by J.J. Rec. No. 18468
4. Application microfilmed by Roll No.
5. Indexed by Platted by
6. Application examined by
7. Application returned, or corrected by office
8. Corrected Application resubmitted by mail to State Engineer's office.
over counter
9. Application approved for advertisement by
10. Notice to water users prepared by
11. Publication began; was completed
Notice published in
12. Proof slips checked by
13. Application protested by
14. Publisher paid by M.E.V. No.
15. Hearing held by
16. Field examination by
17. 7/17/85 Application designated for approval SB
rejection
18. 7/26/85 Application copied or photostated by slm proofread by
19. 7/26/85 Application approved
rejected
20. **Conditions:**
This Application is approved, subject to prior rights, as follows:
 - a. Actual construction work shall be diligently prosecuted to completion.
 - b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
 - c. TEMPORARY APPROVAL -- EXPIRES June 15, 1986.


 Robert L. Morgan, P.E. State Engineer

21. Time for making Proof of Appropriation extended to
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No., issued

Application No. 61069

ATTACHMENT NO. 2

Director, Division of State Lands:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the State Land Board, holder of oil and gas lease

SERIAL NO.: ML 38680

and hereby designates

NAME: Amoco Production Company

ADDRESS: P. O. Box 800, Denver, Colorado 80201

as his Operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Conservation Act or other applicable regulations with respect to (described acreage to which this designation is applicable):

Township 27 South, Range 25 East

Section 17: S/2

Section 18: Lots 3, 4, E/2 SW/4, SE/4

Section 19: All

Section 20: All

San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation Act or other applicable regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Division of State Lands.

The lessee agrees promptly to notify the oil and gas director of any change in the designated operator.

EXXON CORPORATION

By: 
(Signature of Lessee)

Omer R. Humble, Agent
and Attorney-in-Fact

P. O. Box 120, Denver CO 80201
(Address)

July 3, 1985
(Date)



USE THIS AIRBILL FOR DOMESTIC SHIPMENTS AND FOR SHIPMENTS TO PUERTO RICO TO THE U.S.A.
 FILL OUT PURPLE AREAS. FOR ASSISTANCE, CALL 800-238-5355 TOLL FREE.
 SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS.

SENDER'S FEDERAL EXPRESS ACCOUNT NUMBER

DATE

12004

0001-2021-9

8-26-85

From (Your Name) **Al Wood**
 Your Phone Number (Very Important) () ()
 Company **ARCC PROTECTED COMPANY**
 Department/Floor No. _____
 Street Address **1670 BRADWAY STE 750**
 City **DENVER** State **CO**

To (Recipient's Name) **Mr. R. J. Finch**
 Recipient's Phone Number (Very Important) () ()
 Company _____
 Department/Floor No. _____
Utah Division of Oil, Gas & Mining
 Exact Street Address (Use of P.O. Boxes or P.O. Zip Codes Will Delay Delivery And Result In Extra Charge.)
355 W. North Temple, Suite 350
 City **Salt Lake City** State **Utah**

AIRBILL NO. **780100926**
 ZIP @ Zip Code Required For Correct Invoicing **80010**

ZIP Street Address Zip Required (No P.O. Box Zip Code)
84180-1203

YOUR BILLING REFERENCE INFORMATION (FIRST 24 CHARACTERS WILL APPEAR ON INVOICE.)

PAYMENT Bill Shipper Bill Recipient's FedEx Acct. No. Bill 3rd Party FedEx Acct. No. Bill Credit Card
 Cash
 FedEx Acct. No. or Major Credit Card No. _____

HOLD FOR PICK-UP AT THIS FEDERAL EXPRESS STATION:
 Street Address (See Service Guide or Call 800-238-5355)
 City _____ State _____

SERVICES CHECK ONLY ONE BOX

PRIORITY 1
 Overnight Delivery Using Your Packaging

OVERNIGHT LETTER
 (Our Packaging) 9"x12"

OVERNIGHT DELIVERY USING OUR PACKAGING

Courier-Pak Overnight Envelope 12"x15 1/2"

Overnight Box 12 1/4"x17 1/2"x3" A

Overnight Tube 38"x6"x6" B

STANDARD AIR
 Delivery not later than second business day

SERVICE COMMITMENT

PRIORITY 1 - Delivery is scheduled early next business morning in most locations. It may take two or more business days if the destination is outside our primary service areas.
 STANDARD AIR - Delivery is generally next business day or not later than second business day. It may take three or more business days if the destination is outside our primary service areas.

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED

HOLD FOR PICK-UP Give the Federal Express address where you want package held in Section H at right.

DELIVER WEEKDAY

DELIVER SATURDAY (Extra charge applies)

RESTRICTED ARTICLES SERVICE (P-1 and Standard Air Packages only, Extra charge applies)

CONSTANT SURVEILLANCE SERVICE (CSS) (Extra charge applies)

DRY ICE _____ Lbs.

OTHER SPECIAL SERVICE _____

SATURDAY PICK-UP OR SATURDAY DROP-OFF (Extra charge applies)

PACKAGES	WEIGHT	YOUR DECLARED VALUE	OTHER CHARGE
1			
2			
3			
4			
5			
6			
7			
8			
9			
Total	Total	Total	

Received At:
 Shipper's Door
 Regular Stop
 On-Call Stop
 FedEx Loc.

Federal Express Corp. Employee No. _____

Date/Time For Federal Express Use _____

ZIP @ Zip Code of Street Address Required

Emp. No. _____ Date _____

Cash Received
 Return Shipment
 Third Party Chg. To Del. Chg. To Hold

Street Address _____ Other _____

City _____ State _____ Zip _____

Received By: **X**

Date/Time Received _____ FedEx Employee Number _____

Federal Express Use	
Base Charges	
Declared Value Charge	
Origin Agent Charge	
Total Charges	

PART #2041738901
 REC-S-751-1000
 REVISION DATE 2/85
 PRINTED U.S.A. SR

RECIPIENT'S COPY

RECEIVED

July 26, 1985

JUL 29 1985

DIVISION OF OIL
GAS & MINING

TEMPORARY

AMOCO Production Company
P.O. Box #829
Evanston, WY 82930

Dear Applicant:

RE: TEMPORARY APPLICATION
NUMBER 05-2148 (T61069)

Enclosed is a copy of approved Temporary Application Number 05-2148 (T61069). This is your authority to construct your works and to divert the water for the uses described.

While this approved application does give you our permission to divert and use water, it does not grant easements through public or private lands in order to gain access to the source nor to convey the water to the place of use, nor does this approval eliminate the need for such other permits as may be required by this Division or any other agency in implementing your diversion.

This application will expire June 15, 1986, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it is with the Area Engineer, Mark Page. The telephone number is (801)637-1303.

Yours truly,

Robert L. Morgan, P.E.
State Engineer

RLM:slm

Encl.: Copy of approved Temporary Application

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO. State ML-38680
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Geyser Creek
9. WELL NO. #1
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 19, T27S, R25E
12. COUNTY OR PARISH San Juan
13. STATE UT

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
AUG 05 1985
DIVISION OF OIL
GAS & MINING

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NWSE Sec. 19, 2204' FEL & 1495' FSL
14. PERMIT NO. 43-037-31174
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 10,145' Ungraded Ground

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

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

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

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

Date: 7/31/85

Building Rd & Location

TIGHT HOLE

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Sr Drilling Eng. Supervisor DATE 7/31/85

(This space for Federal or State office use)

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

AMOCO
GEYSER CREEK #1
RECEIVED

Director, Division of State Lands:

AUG 08 1985

DESIGNATION OF OPERATOR

DIVISION OF OIL
GAS & MINING

The undersigned is, on the records of the State Land Board, holder of oil and gas lease

SERIAL NO.: ML 38680

and hereby designates

NAME: Amoco Production Company

ADDRESS: P. O. Box 800, Denver, Colorado 80201

as his Operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Conservation Act or other applicable regulations with respect to (described acreage to which this designation is applicable):

Township 27 South, Range 25 East

Section 17: S/2

Section 18: Lots 3, 4, E/2 SW/4, SE/4

Section 19: All

Section 20: All

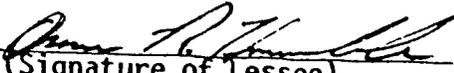
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation Act or other applicable regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Division of State Lands.

The lessee agrees promptly to notify the oil and gas director of any change in the designated operator.

EXXON CORPORATION

By: 
(Signature of Lessee)

Omer R. Humble, Agent
and Attorney-in-Fact

P. O. Box 120, Denver CO 80201
(Address)

July 3, 1985
(Date)



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

August 13, 1985

Mr. John Livesay
Division of Wildlife Resources
Southeastern Region
455 West Railroad Avenue
Price, Utah 84501-2829

Dear Mr. Livesay:

RE: Drilling of the Amoco Geyser Creek Unit No. 1 Well
Sec. 19, T27S, R25E, San Juan County, Utah

Your recent letter commenting on the proposed drilling of the referenced well is greatly appreciated. Please be assured that we intend to cooperate as much as possible with the Division of Wildlife Resources in maintaining quality wildlife habitat in the state.

In the case of Amoco's proposed well, it is our understanding from a predrill site inspection conducted on July 16 that Amoco is aware of your concerns and will act to accommodate your recommendations as much as possible. On this basis, the drilling application was approved on July 19, 1985, with several conditions of approval aimed at conservation and proper reclamation of the well location.

For your information, a copy of the letter of approval to drill the referenced well is attached. You will note that the conditions of approval concern specific conservation requirements, protection of groundwater resources, site reclamation, and other items specifically mandated by statute which have proven necessary from past operating practice. This Division would certainly include any stipulations in the drilling permit approval involving drilling or production operations which may adversely affect wildlife resources. However, because of the nature of the oil and gas industry, timely processing of drilling permits is desirable. Therefore, in the case of the referenced well, approval to drill was given on July 19; and the letter stating your concerns was not received until July 29. We will still request that Amoco act in a manner to accommodate your recommendations, but legitimately they have already received approval to drill and may have already begun work at the well site.

Page 2
Mr. John Livesay
August 13, 1985

The rules of the Board of Oil, Gas and Mining governing oil and gas operations have been developed based on authorities and responsibilities assigned by Senate Bill 157 passed during the 1983 Session of the Utah Legislature. The rules require oil companies to conduct their operations with the principles of oil and gas conservation in mind. Few rules exist pertaining to environmental protection or surface management. These concerns have historically been monitored by other agencies of the state.

For these reasons, it has been past policy in this Division to review drilling permit applications only for the purposes of adequate bond and lease requirements and for proper technical compliance with the established rules. Some of the concerns addressed by your letter are more appropriate for consideration at the time a specific parcel of land is leased for hydrocarbon mineral exploration. It is at that time that prohibitions on drilling and road construction or special stipulations concerning surface development of access roads should be resolved.

In discussions we have had with representatives of the Division of State Lands and Forestry, they have indicated their willingness to consider withdrawing lands from consideration for hydrocarbon mineral leasing provided that sensitive areas can be identified by agencies such as yours. We recommend continuing interagency cooperation in this regard. In fact, the Division of State Lands and Forestry is currently soliciting comments on its mineral leasing procedures. We suggest that your agency contact that Division and raise some of the issues concerning oil and gas development in areas of sensitive wildlife habitat.

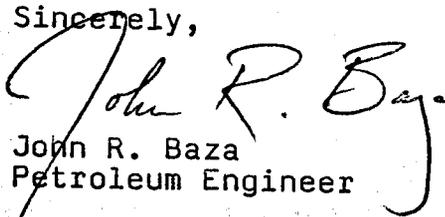
In recent months, the Division of Oil, Gas and Mining has informally instituted a predrilling site inspection program to help address the issues raised by other agencies prior to approval of a drilling permit on state or private land. In this manner, we would hope to receive input from technical personnel from other agencies familiar with problems of environmental protection and surface management. Although concerns such as the ones mentioned in your letter have not been addressed in past drilling permit approvals, the predrilling site inspection program should provide an opportunity to present these issues and have them resolved prior to approval of the drilling permit. Our inspectors will attempt to invite a representative of your agency to one of the inspections whenever it appears that wildlife issues may be involved; and we encourage attendance in order to expedite drilling permit review and approval.

Obviously, as oil and gas development in the state continues and increases in the future, more issues such as these will arise. State agencies must coordinate their efforts if we are to facilitate development while protecting valuable natural resources and the

Page 3
Mr. John Livesay
August 13, 1985

environment. The concerns you have raised are broader than simply what is necessary to drill and produce oil and gas, which is what this Division attempts to regulate. However, our program has undergone recent changes in order to accommodate the responsibilities and authorities of other agencies; and with your assistance, our program will evolve into a workable process that meets the objectives of all our agencies. We look forward to working with you in the future.

Sincerely,


John R. Baza
Petroleum Engineer

sb
Enclosure

cc: Reid Smith, Amoco, Evanston
Division of State Lands and Forestry
Dianne R. Nielson
R. J. Firth
Pat deGruyter

Well File

0155T-13-15

Well file



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

021911

August 13, 1985

Mr. John Livesay
Division of Wildlife Resources
Southeastern Region
455 West Railroad Avenue
Price, Utah 84501-2829

Dear Mr. Livesay:

RE: Drilling of the Amoco Geyser Creek Unit No. 1 Well 43-037-31174
Sec. 19, T27S, R25E, San Juan County, Utah

Your recent letter commenting on the proposed drilling of the referenced well is greatly appreciated. Please be assured that we intend to cooperate as much as possible with the Division of Wildlife Resources in maintaining quality wildlife habitat in the state.

In the case of Amoco's proposed well, it is our understanding from a predrill site inspection conducted on July 16 that Amoco is aware of your concerns and will act to accommodate your recommendations as much as possible. On this basis, the drilling application was approved on July 19, 1985, with several conditions of approval aimed at conservation and proper reclamation of the well location.

For your information, a copy of the letter of approval to drill the referenced well is attached. You will note that the conditions of approval concern specific conservation requirements, protection of groundwater resources, site reclamation, and other items specifically mandated by statute which have proven necessary from past operating practice. This Division would certainly include any stipulations in the drilling permit approval involving drilling or production operations which may adversely affect wildlife resources. However, because of the nature of the oil and gas industry, timely processing of drilling permits is desirable. Therefore, in the case of the referenced well, approval to drill was given on July 19; and the letter stating your concerns was not received until July 29. We will still request that Amoco act in a manner to accommodate your recommendations, but legitimately they have already received approval to drill and may have already begun work at the well site.

Page 2
Mr. John Livesay
August 13, 1985

The rules of the Board of Oil, Gas and Mining governing oil and gas operations have been developed based on authorities and responsibilities assigned by Senate Bill 157 passed during the 1983 Session of the Utah Legislature. The rules require oil companies to conduct their operations with the principles of oil and gas conservation in mind. Few rules exist pertaining to environmental protection or surface management. These concerns have historically been monitored by other agencies of the state.

For these reasons, it has been past policy in this Division to review drilling permit applications only for the purposes of adequate bond and lease requirements and for proper technical compliance with the established rules. Some of the concerns addressed by your letter are more appropriate for consideration at the time a specific parcel of land is leased for hydrocarbon mineral exploration. It is at that time that prohibitions on drilling and road construction or special stipulations concerning surface development of access roads should be resolved.

In discussions we have had with representatives of the Division of State Lands and Forestry, they have indicated their willingness to consider withdrawing lands from consideration for hydrocarbon mineral leasing provided that sensitive areas can be identified by agencies such as yours. We recommend continuing interagency cooperation in this regard. In fact, the Division of State Lands and Forestry is currently soliciting comments on its mineral leasing procedures. We suggest that your agency contact that Division and raise some of the issues concerning oil and gas development in areas of sensitive wildlife habitat.

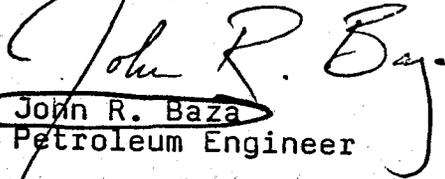
In recent months, the Division of Oil, Gas and Mining has informally instituted a predrilling site inspection program to help address the issues raised by other agencies prior to approval of a drilling permit on state or private land. In this manner, we would hope to receive input from technical personnel from other agencies familiar with problems of environmental protection and surface management. Although concerns such as the ones mentioned in your letter have not been addressed in past drilling permit approvals, the predrilling site inspection program should provide an opportunity to present these issues and have them resolved prior to approval of the drilling permit. Our inspectors will attempt to invite a representative of your agency to one of the inspections whenever it appears that wildlife issues may be involved; and we encourage attendance in order to expedite drilling permit review and approval.

Obviously, as oil and gas development in the state continues and increases in the future, more issues such as these will arise. State agencies must coordinate their efforts if we are to facilitate development while protecting valuable natural resources and the

Page 3
Mr. John Livesay
August 13, 1985

environment. The concerns you have raised are broader than simply what is necessary to drill and produce oil and gas, which is what this Division attempts to regulate. However, our program has undergone recent changes in order to accommodate the responsibilities and authorities of other agencies; and with your assistance, our program will evolve into a workable process that meets the objectives of all our agencies. We look forward to working with you in the future.

Sincerely,


John R. Baza
Petroleum Engineer

sb
Enclosure

cc: Reid Smith, Amoco, Evanston
Division of State Lands and Forestry
Dianne R. Nielson
R. J. Firth
Pat deGruyter
Well File
0155T-13-15



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

August 15, 1985

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

Re: Temporary Change Application No. 85-05-12
Geyser Creek Unit #1 Well

Dear Sirs:

The above numbered Temporary Change Application has been approved and a copy is enclosed for your information and records. Please feel free to contact us if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Mark P. Page".

Mark P. Page, Area Engineer
for Robert L. Morgan, State Engineer

Enclosure

RLM/MPP/mjk



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

Amoed

August 16, 1985

100207

Division of Oil, Gas & Mining
Attn: Arlene Sollis
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Temporary Change Application No. 85-05-12
Geyser Creek Unit #1 Well

Dear Arlene:

The above referenced Temporary Change has been approved and a copy is herewith enclosed for your information and records. Please feel free to contact me if there are any questions.

Sincerely,

Mark P. Page
Area Engineer

MPP/mjk

APPLICATION NO. 85-05-12
DISTRIBUTION SYSTEM 43-037-31174 PA

Application For Temporary Change of Point of Diversion,
Place or Purpose of Use

RECEIVED

RECEIVED

AUG 19 1985

STATE OF UTAH

AUG 15 1985

DIVISION OF OIL
& GAS & MINING

(To Be Filed in Duplicate)

WATER RIGHTS
PRICE

Price, Utah August 7, 19 85
Place Date

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use
(Strike out written matter not needed)

of water, the right to the use of which was acquired by 05-14(A-3836) Cert. No. 1084
(Give No. of application, title and date of Decree and Award No.)

to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- 1. The owner of right or application is LaSal Irrigation Company
- 2. The name of the person making this application is Amoco Production Company
- 3. The post office address of the applicant is P.O. Box 829 Evanston, Wyoming 82930

PAST USE OF WATER

- 4. The flow of water which has been used in second feet is 10.0
- 5. The quantity of water which has been used in acre feet is
- 6. The water has been used each year from April 1 to August 31, incl.
(Month) (Day) (Month) (Day)
- 7. The water has been stored each year from to , incl.
(Month) (Day) (Month) (Day)
- 8. The direct source of supply is Beaver Creek in San Juan County.
- 9. The water has been diverted into earthen ditch ditch canal at a point located S. 1070 ft. & W. 2080 ft. from NE Cor. Sec. 9, T28S, R25E, SLB&M.
- 10. The water involved has been used for the following purpose: Irrigation purposes
Pts. of Sections 4, 5, E $\frac{1}{4}$ 8, 9, NE $\frac{1}{4}$ NE $\frac{1}{4}$ 16, all T29S, R24E, SLB&M.
Total 564.4 acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

- 11. The flow of water to be changed in cubic feet per second is
- 12. The quantity of water to be changed in acre-feet is 3.0
- 13. The water will be diverted into the tank truck from Beaver Creek ditch canal at a point located N. 335 ft. & E. 1545 ft. from SW Cor. Sec. 9, T28S, R25E, SLB&M. (3 miles North of old LaSal) LaSal Quad
- 14. The change will be made from August 7, 19 85, to August 6, 19 86
(Period must not exceed one year)
- 15. The reasons for the change are Change the nature of use from irrigation to industrial
- 16. The water involved herein has heretofore been temporarily changed 0 years prior to this application.
(List years change has been made)
- 17. The water involved is to be used for the following purpose: Road construction and maintenance and drilling fluid for the Geyser Creek Unit #1 Well located N. 1995 ft. & W. 2204 ft. from SE Cor. Sec. 19, T27S, R25E, SLB&M, Total acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

7.50

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Mary Wilson
signature of owner
LaSal Irrigation Company - Sec.

Paul Smith - Amoco Prod. Co.
Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$7.50. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. (River System)

- 1. N.A. Application received by Water Commissioner (Name of Commissioner)
Recommendation of Commissioner
2. AUGUST 15, 1985 Application received over counter by mail in State Engineer's Office by P
3. Fee for filing application, \$7.50 received by ; Rec. No.
4. Application returned, with letter, to for correction.
5. Corrected application resubmitted over counter by mail to State Engineer's Office.
6. Fee for investigation requested \$
7. Fee for investigation \$, received by : Rec. No.
8. Investigation made by ; Recommendations:
9. Fee for giving notice requested \$
10. Fee for giving notice \$, received by : Rec. No.
11. Application approved for advertising by publication mail by
12. Notice published in
13. Notice of pending change application mailed to interested parties by as follows:
14. Change application protested by (Date Received and Name)
15. Hearing set for , at
16. AUGUST 15, 1985 Application recommended for rejection approval by P
17. 8/16/85 Change Application rejected approved and returned to AMOCO PRODUCTION Co.

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1.
2.
3.

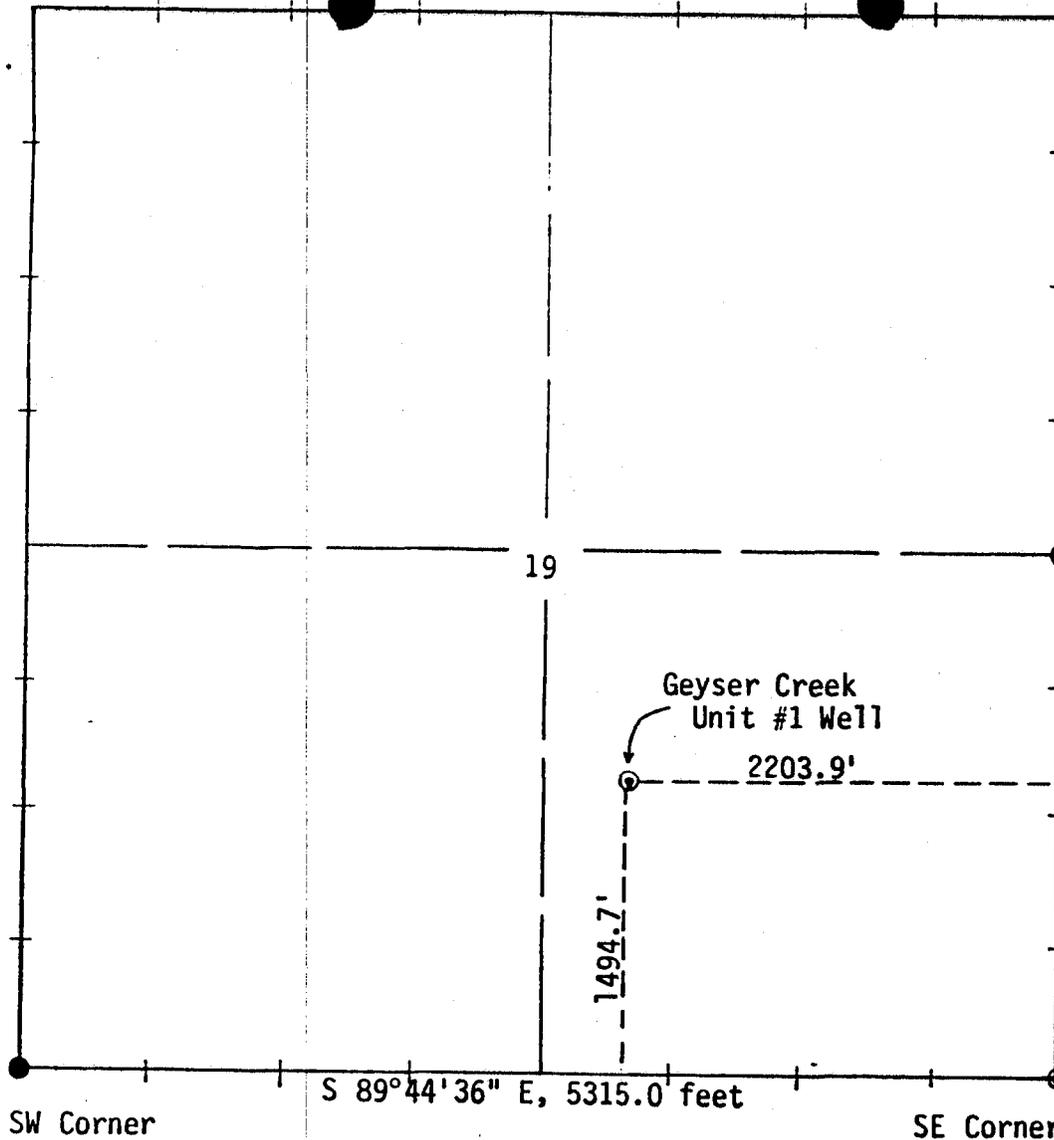
Mark P. Page, State Engineer
FOR State Engineer

NW Corner

T 27 S

R 25 E

NE Corner

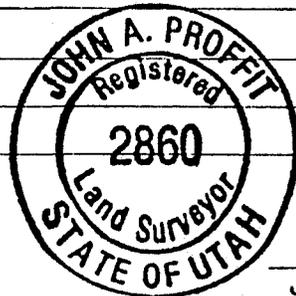


SCALE: 1" = 1000'

- 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 Reid Smith of Evanston, Wyoming for Amoco Production Co. I made a survey on the 16th day of June, 1985 for Location and Elevation of the Geyser Creek Unit #1 Well as shown on the above map, the wellsite is in the NW¼ SE¼ of Section 19, Township 27 S, Range 25 E of the Salt Lake Base & Meridian, San Juan County, State of Utah, Elevation is 10,145 Feet Datum Scaled from U.S.G.S. "La Sal NW, Utah" quad, 1975 Advance Print

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



John A. Proffit 6/26/85
 John A. Proffit, Wyoming R.L.S. NO. 2860

DATE: June 25, 1985
 JOB NO.: 85-10-18

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



Amoco Production Company

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

J. D. Cutter
Proration and Unitization Manager
August 26, 1985

Mr. R. J. Firth
Associate Director, Oil & Gas
Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

File: JDC-347-986.511

Geyser Creek Well No. 1
NW/4 SE/4 Section 19-T27S-R25E
San Juan County, Utah

RECEIVED

AUG 27 1985

**DIVISION OF OIL
GAS & MINING**

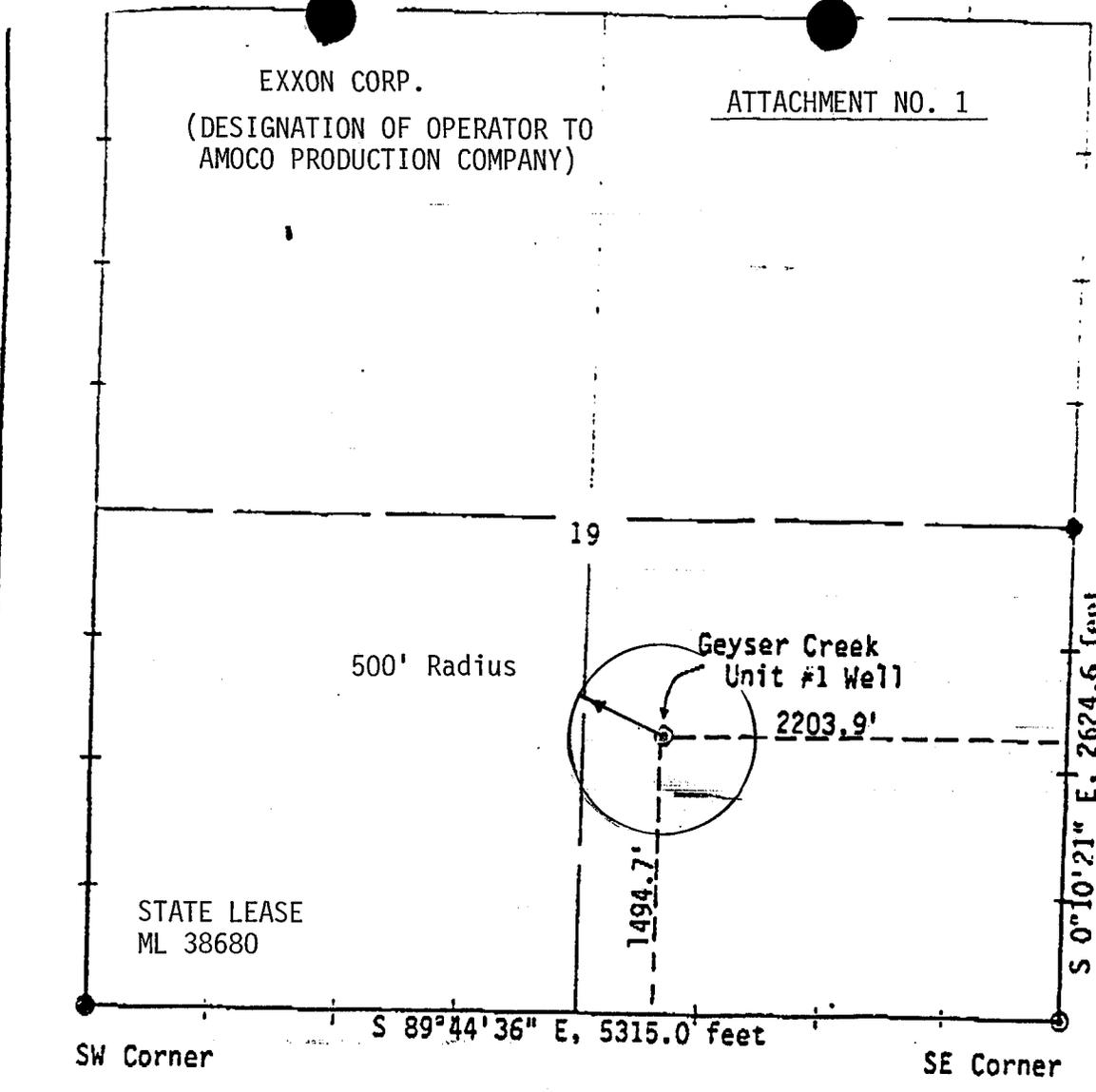
In your letter of July 19, 1985 you indicated that approval to drill the above captioned well was granted subject to certain stipulations. One of these stipulations was a submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a 500 ft. radius of the proposed location. This letter is to serve as that submittal.

Attachment No. 1, to this letter, is a copy of the survey plat for the Geyser Creek Well No. 1. This well is to be drilled at a location of 2204' FEL and 1495' FSL of Section 19-T27S-R25E, San Juan County, Utah, as a 12,260 ft. Mississippian test. All acreage within 500 ft. of the proposed location is included within Utah State Lease No. ML 38680 which was awarded to Exxon Corporation. Attachment No. 2 is a copy of the Designation of Operator filed by Exxon Corporation with the Director, Division of State Lands which designates Amoco Production Company as the operator of this lease.

The proposed location of the Geyser Creek Well No. 1 is necessitated by the steep terrain of the area. Attachment No. 3 is copy of a portion of the LA SAL QUADANGLE topographic map showing the topography of the area. The proposed location was chosen in order to minimize the surface disturbance required for the construction of the location.

Enclosed is a Verification and Affidavit. We respectfully request that this letter be kept confidential.

CAW/dsr

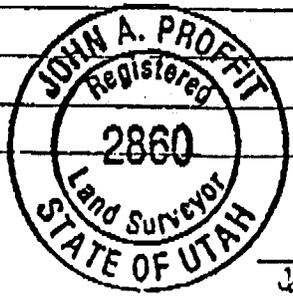


SCALE: 1" = 100'

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

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Reid Smith of Evanston, Wyoming for Amoco Production Co. I made a survey on the 16th day of June, 1985 for Location and Elevation of the Geyser Creek Unit #1 Well as shown on the above map, the wellsite is in the NW 1/4 SE 1/4 of Section 19, Township 27 S, Range 25 E of the Salt Lake Base & Meridian, San Juan County, State of Utah. Elevation is 10,145 Feet Datum Scaled from U.S.G.S. "La Sal, Utah" quad, 1975 Advance Print

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



John A. Proffit
 John A. Proffit, Wyoming R.L.S. 5

DATE: June 25, 1985
 JOB NO.: 85-10-18

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

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31174

NAME OF COMPANY: AMOCO PRODUCTION CO

WELL NAME: Geyser Creek #1

SECTION NW SE 19 TOWNSHIP 27S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Noble

RIG # 116

SPUDDED: DATE 9-12-85

TIME 7:00 PM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Karen Gomer

TELEPHONE # 307-789-1700

DATE 9-13-85 SIGNED AS

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.
ML-38680 State

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Geyser Creek Unit

8. FARM OR LEASE NAME
Geyser Creek Unit

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19, T27S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any well log.
See also space 17 below.)
At surface
NWSE 2204' FEL & 1495' FSL

14. PERMIT NO.
43-037-31174

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
10,145' Ungraded Ground

RECEIVED
SEP 16 1985
DIVISION OF OIL
& MINING

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

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

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

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

Please note that said well was spud on 09/12/85 at 1900 hours

TIGHT HOLE

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Sr Drilling Eng. Supervisor DATE 9/13/85

(This space for Federal or State office use)

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
NWSE Sec. 19, 2204' FEL & 1495' FSL

14. PERMIT NO.
43-037-31174

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
10,145' Ungraded Ground

5. LEASE DESIGNATION AND SERIAL NO.
ML-38680 State

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Geyser Creek Unit

8. FARM OR LEASE NAME
Geyser Creek Unit

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19, T27S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
UT

SEP 25 1985

DIVISION OF OIL
GAS & MINING

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

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

Change in Plans from APD:

Mud & Casing Program:

20" setting depth - used aeriated mud after total lost circulation with drilling mud.

0 - 3370' will use Air-foam instead of LSND

13 3/8" surface csg mud - plan to drill out with air - go to foam and then aeriated mud if necessary.

No Salt anticipated.

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

DATE: 10/5/85
BY: John R. Duga

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

SIGNED: [Signature] TITLE: Sr Drilling Eng Supervisor DATE: 9/23/85

(This space for Federal or State office use)

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Geyser Creek Unit
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		8. FARM OR LEASE NAME Geyser Creek Unit
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		9. WELL NO. #1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NWSE 2198' FEL & 1462' FSL		10. FIELD AND POOL, OR WILDCAT Wildcat
14. PERMIT NO. 43-037-31174		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T27S, R25E
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 10,149' GR		12. COUNTY OR PARISH San Juan
		13. STATE UT

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

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

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

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

Attached plat of graded ground and as spudded footage.

RIGHT HOLE

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

SIGNED [Signature] TITLE Sr Drilling Eng. Supervisor DATE 10/01/85

(This space for Federal or State office use)

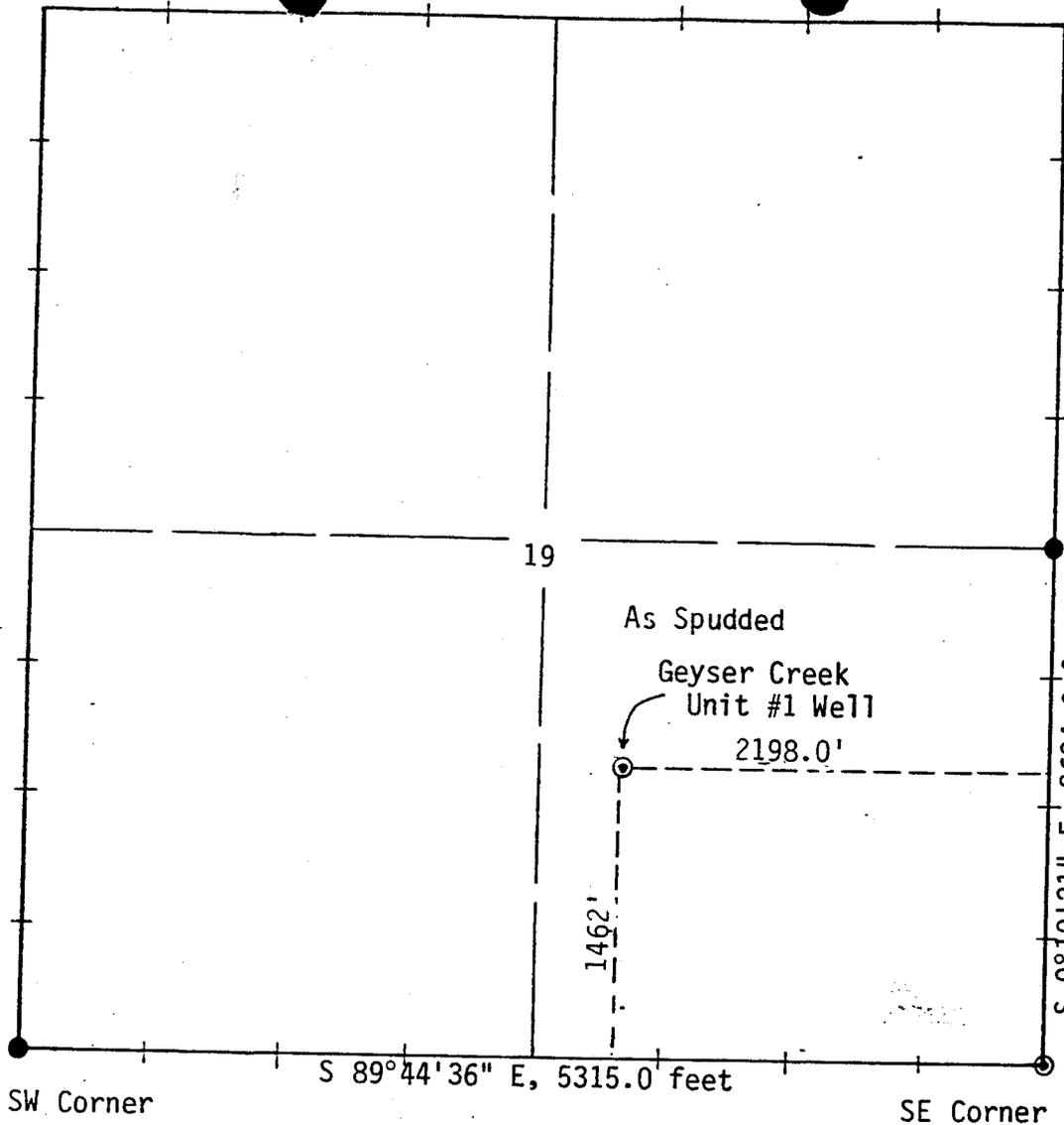
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NW Corner

T 27 S

R 25 E

NE Corner

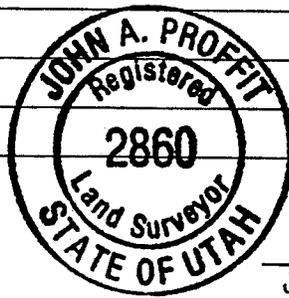


SCALE: 1" = 1000'

- 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 Reid Smith of Evanston, Wyoming for Amoco Production Co. I made a survey on the 26th day of September, 1985 for Location and Elevation of the Geyser Creek Unit #1 Well as shown on the above map, the wellsite is in the NW¼ SE¼ of Section 19, Township 27 S, Range 25 E of the Salt Lake Base & Meridian, San Juan County, State of Utah, Elevation is 10,149 Feet Graded Pad Datum U.S.G.S. "La Sal NW, Utah" quad, 1975 Advance Print: Spot Elev in SW¼ Sec. 31, T27S, R25E; Elev. 9056'

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



John A. Proffit 6/26/85
 John A. Proffit, Wyoming R.L.S. NO. 2860

BOOK: 448
 DATE: June 25, 1985
 JOB NO.: 85-10-18

Revised 9/30/85: G.P. UINTA ENGINEERING & SURVEYING, INC.
 808 MAIN STREET, EVANSTON, WYOMING

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
NWSE 2198' FEL & 1462' FSL

14. PERMIT NO.
43-037-31174

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
10,149' GR

OCT 16 1985
DIVISION OF OIL
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
ML-38680 State

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Geysler Creek Unit

8. FARM OR LEASE NAME
Geysler Creek Unit

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Sec. 19, T27S, R25E

12. COUNTY OR PARISH 13. STATE
San Juan UT

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

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

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

CASING:

Size of Hole	Size of Casing	#/Ft	Depth	Sx of Cmt
8 1/2"	7 5/8" liner	47.1#	11460' TVD	200 sx
6 1/4"	5" liner	15#	12260' TVD	200 sx

MUD:

Interval	Type Mud	WT#/Gal
9120' - 11460' TVD	Oil Mud	7.8-8.6
11460' - TD	LSND	8.6-9.0

The 7 5/8" liner will be set and the pay zone drilled with a water based mud. This will allow adequate evaluation of structure and potential pay zones that would not be possible with a oil-based mud.

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Sr. Drilling Eng Supervisor DATE 10/11/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ APPROVED BY THE STATE OF UTAH DATE 10/13/85 DIVISION OF OIL, GAS, AND MINING DATE: 10/13/85

CONFIDENTIAL

Form OGCC-1 b

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

OCT 24 1985

DIVISION OF OIL
GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

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

NWSE 2198' FEL & 1462' FSL

14. PERMIT NO.
43-037-31174

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
10,149' GR

5. LEASE DESIGNATION AND SERIAL NO.

ML-38680 State

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Geyser Creek Unit

8. FARM OR LEASE NAME

Geyser Creek Unit

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 19, T27S, R25E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Report of Operations

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Date: 10/22/85

Spud Date: 09/12/85

Drilling Contractor: Noble 116

Drilling Ahead: 1352'

TIGHT HOLE

TIGHT HOLE

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

SIGNED

TITLE Administrative Supervisor

DATE 10/22/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Utah

DOUBLE "D" ENTERPRISES RECEIVED

B.O.P. Test Report

OCT 28 1985

DIVISION OF OIL
GAS & MINING

B.O.P. TEST PERFORMED ON (DATE) 10-11-85

OIL CO.: Amoco

WELL NAME & NUMBER Geyser Creek #1

SECTION 19

TOWNSHIP 27-S

RANGE 25-E

COUNTY San Juan, Utah

DRILLING CONTRACTOR Noble Drlg. # 116

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

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

OIL CO. SITE REPRESENTATIVE Paul Reddie

RIG TOOL PUSHER Murray

TESTED OUT OF Evanston

NOTIFIED PRIOR TO TEST: State of Utah

COPIES OF THIS TEST REPORT SENT COPIES TO: B.H.M.
State
Co. Rep.
Tool Pusher

ORIGINAL CHART & TEST REPORT ON FILE AT: Evanston OFFICE

DOUBLE "D" ENTERPRISES, INC.

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

DELIVERY TICKET

No 3827

Date 10-11-85
 Operator Amoco Contractor Noble Drlg Rig No. #116
 Ordered By Paul Reddie Lease Geysen Creek Well No. #1
 County San Juan, Utah Section 19 Township 27-S Range 25-E

Items Tested:

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

Closing Unit Psi 3000 PSI Closing Time of Rams 7 Sec. Closing Time of Hydril 17 Sec.

Closed Casing Head Valve Yes Set Wear Sleeve N/A

Comments Set Manifold Valves & Fill Choke Manifold & Lines w/ Methanol

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

Amoco

Geyser Creek # 1

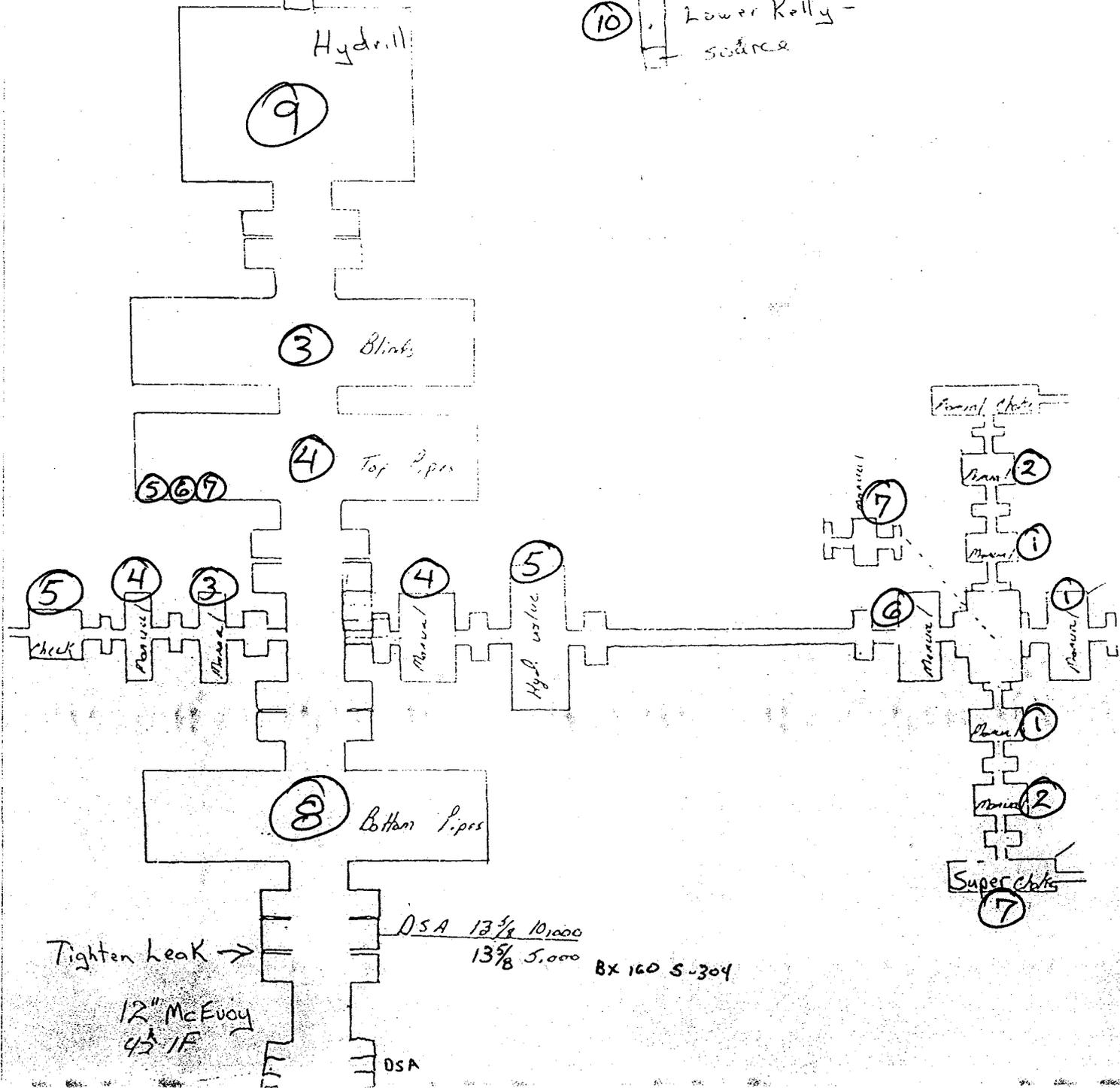
10-11-85

Noble # 116

TEST #	TIME	N/A
	6:25	Rig up to Test Choke Man. w/ Rig Hooks up Keomy Lines
①	6:25-6:40	3000 O.K. - Inside Values Choke Manifold
	6:40-6:45	Switch Values
②	6:45-7:00	3000 O.K. - Outside Values Choke Manifold
	7:00-7:15	Fill Stack, Drop Die, Shut Blinds
	7:15-7:20	3000 (No Test) Blinds, 1st Kill - Blank on Lower Pipes leaked
	7:20-8:10	Tighten Blank - (No Test) 9/16 Ring Gasket & Nipple Back up
	8:10	Blinds, 1st Kill (No Test) D.S.A - 13 5/8 10m x 13 5/8 5m
		leaked, Tighten w/ Sledge Hammer, (No Test) Pick-up
	10:30	Stack 9/16 Ring Gasket & Nipple up, Fill Stack Drop Die
③	10:30-10:45	3000 O.K. - Blinds, 1st Kill Manual
	10:45-11:15	P.U. Jt. A.P. Make-up T.I.W, Dart, Circ. Sub, Work Pipe Rans
④	11:15-11:30	3000 O.K. - Upper Pipes, 2nd Kill, 4" Manual Choke, T.I.W.
	11:30-11:40	Switch Values
⑤	11:40-11:55	3000 O.K. - U. Pipes, ✓ Value, H.C.R, Dart,
	11:55-12:00	Switch Values
⑥	12:00-12:15	3000 O.K. - U. Pipes, 4" Manual Before Choke Manifold
	12:15-12:30	Switch Values & Work Super Choke
⑦	12:30-12:45	3000 O.K. - U. Pipes, Upright Value Manifold, Super Choke
	12:45-12:55	Switch Rams
⑧	12:55-1:10	3000 O.K. - Lower Pipes
	1:10-1:20	Work & Shut Hydrill, open lower Pipes
⑨	1:20-1:35	1500 O.K. - Hydrill
	1:35	Pull Plug, Drain Stack, Shut Casing Head Valve,
		Break Out Circ. Sub, T.I.W, Dart, Fill Choke Manifold
	2:15	w/ Methanol, Set Values, Rig to Test Use h. Kelly C.
⑩	2:15-2:30	3000 O.K. - Lower Kelly Cock
	2:30-2:35	Switch to Upper K.C.
⑪	2:35-2:50	3000 O.K. - Upper Kelly Cock
	2:50-3:20	Rig down, head out, Make Out Test Ticket
	3:20	Travel
		Clean Unit
		Report

- ⑤ - Dart -
- ④ - TIW -
- - Source

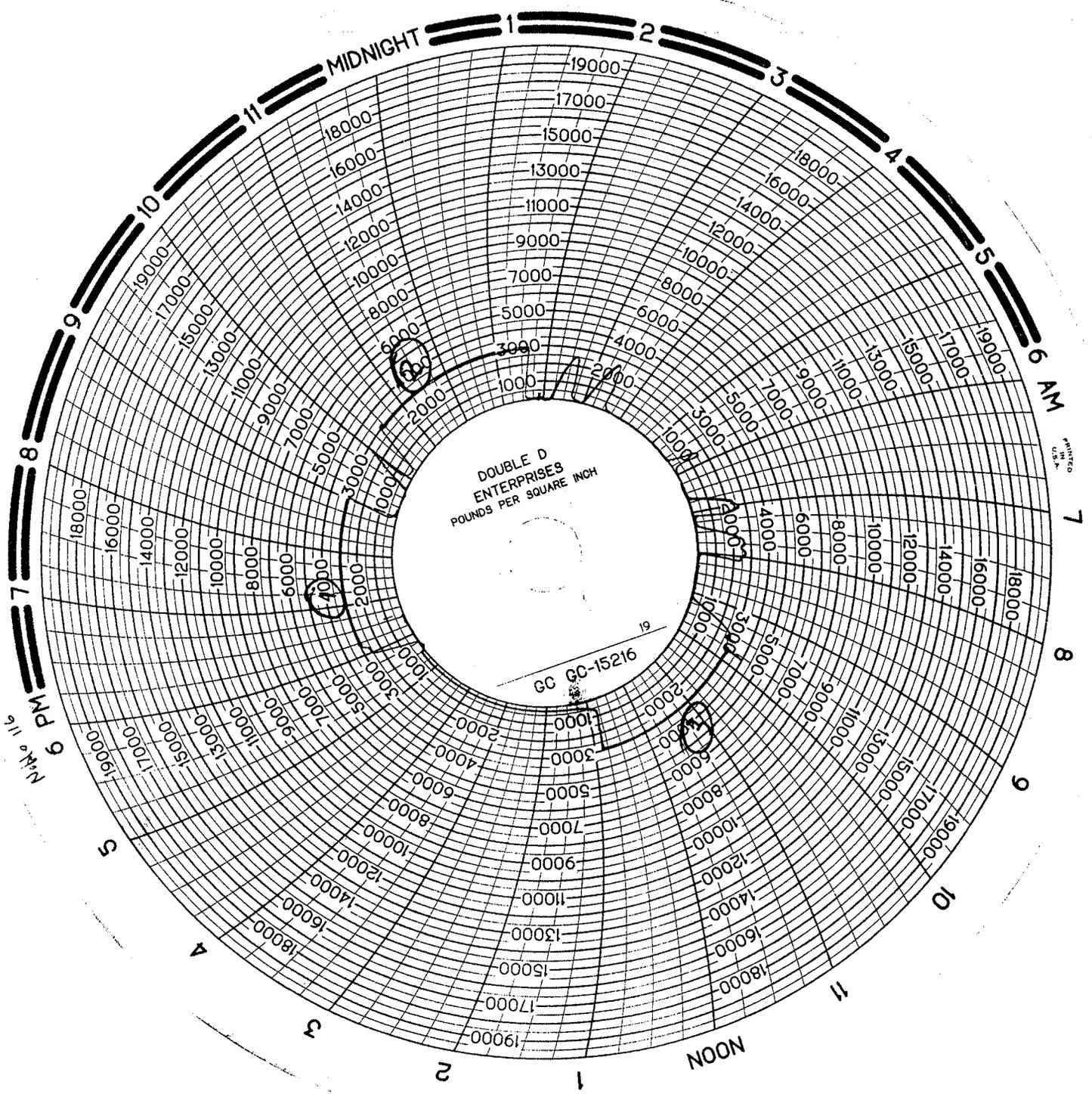
- ⑪ - Upper Kelly -
- ⑩ - Lower Kelly - source



Tighten leak →
 12" McEvoy
 4 1/2 IF

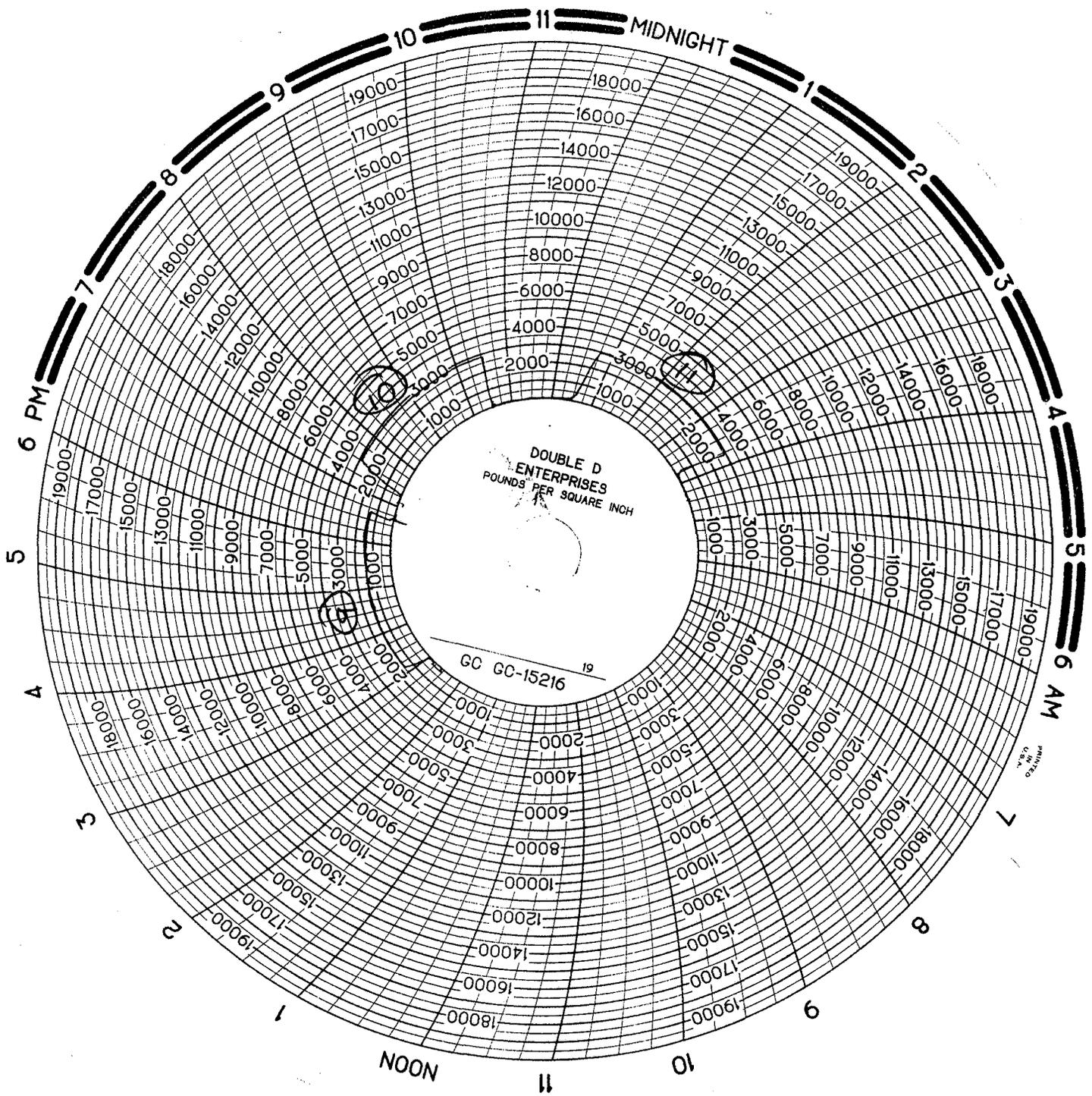
DSA 13 1/4 10,000
 13 5/8 5,000 BX 160 S-304

DSA



PRINTED
U.S.A.

116
6 PM



CONFIDENTIAL

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. ML-38680 State
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME Geyser Creek Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NWSE SEC. 19, 2198' FEL & 1462' FSL		8. FARM OR LEASE NAME Geyser Creek Unit
14. PERMIT NO. 43-037-31174	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 10,149' GR	9. WELL NO. #1
		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T27S, R25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

RECEIVED
NOV 27 1995
DIVISION OF OIL, GAS & MINING

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) Report of Operations

(Other)

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

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

Date: 11/25/85

Spud Date: 09/12/85

Contractor: Noble 116

Drilling Ahead

TIGHT HOLE

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

SIGNED

Louis F. Pappas

TITLE Administrative Supervisor

DATE 11/25/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAN 23 1986

DOUBLE "D" ENTERPRISES

DIVISION OF OIL
GAS & MINING

B.O.P. Test Report

B.O.P. TEST PERFORMED ON (DATE) 12-15-85

OIL CO.: Amoco

WELL NAME & NUMBER Geyser Creek 1

SECTION 19

TOWNSHIP 27S

RANGE 25 E

COUNTY San Juan

DRILLING CONTRACTOR Noble 116

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

TESTED BY: **DOUBLE "D" ENTERPRISES, INC.**
608 N. Vernal Ave.
Vernal, UT 84078
Phone: (801) 781-0448 or (801) 781-0449

OIL CO. SITE REPRESENTATIVE Paul Rettie

RIG TOOL PUSHER

TESTED OUT OF Vernal

NOTIFIED PRIOR TO TEST: BLM

COPIES OF THIS TEST REPORT SENT COPIES TO: Amoco
Noble
BLM
State

ORIGINAL CHART & TEST REPORT ON FILE AT: Vernal OFFICE

DOUBLE "D" ENTERPRISES, INC.

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

DELIVERY TICKET

No 3380

Date 12-15-85
 Operator Amoco Contractor Noble Rig No. 116
 Ordered By Paul Rettie Lease Geyser Creek Well No. 1
 County San Juan Section 19 Township 27 S Range 25 E

Items Tested:

	Low Test	Time Held	High Test	Time Held	Comments	
Top Pipe Rams	200	5 min	5000	15 min	OK	
Bottom Pipe Rams	200	}	5000	}	OK	
Blind Rams	200		5000		OK	
Annular B.O.P.	200		2500		OK	
Choke Manifold	200		5000		OK	
Choke Line	200		5000		OK	
Kill Line	200		5000		OK	
Super Choke						
Upper Kelly	200		3000			OK
Lower Kelly	200		5000			OK
Floor Valve	200		5000			OK
Dart Valve	200	5000		OK		

Closing Unit Psi 3000 Closing Time of Rams 10 sec Closing Time of Hydril 19 sec

Closed Casing Head Valve YES Set Wear Sleeve YES

Comments Choke line and manifold is Full pure Methanol

Rates:

Minimum Charge 8 hr mi @
 Additional Charge 540 mi @ 100 mi
 Mileage 10" Mc Evoy @ 150" Retriever on Location
 Test Plug 4 1/2 IF @ 50"
 Top Sub 4 1/2 IF @ 50"
 Kelly Sub 4 1/2 IF @ 50"
 Crossover Subs 4 1/2 IF x 4 1/2 IF @ 50"
 Methanol Charge 75 gal Methanol @ 2" gal
 Other Retriever 4-T slot spring loaded

Tested By John W Brown Jr Sub Tot _____
 T. _____
 Tot _____

COMPANY

LEASE AND WELL NAME #

DATE OF TEST

RIG # AND NAME

Amoco

Geyser Creek 1

12-15-85

Nobel #116

TEST #

TIME

①

1 set manifold valve

8:45-8:50 200 OK

8:50-9:05 5000 OK

Back out tie down pins
set plug

②

Blind - 1st kill valve

9:40-9:45 200 OK

9:45- 5000 row Leaked

10:17-10:32 5000 OK

③

Lower pipes - Dart

10:50-10:55 200 OK

10:55-11:10 5000 OK

④

Upper pipes - Dart - 2nd kill valve -
1st choke valve

11:14-11:19 200 OK

11:19-11:34 5000 OK

⑤

Upper pipe - Dart - check valve - HCR

11:40-11:45 200 OK

11:45-12:00 5000 OK

⑥

Hydril - Dart - check valve - 1st valve
manifold

12:08-12:13 200 OK

12:13-12:28 2500 OK

pull plug - set wear ring - pick up Kelly

⑦

TIW

1:23-1:28 200 OK

1:28-1:43 5000 OK

⑧

Lower Kelly Cock

1:45-1:50 200 OK

1:55-2:10 5000 OK

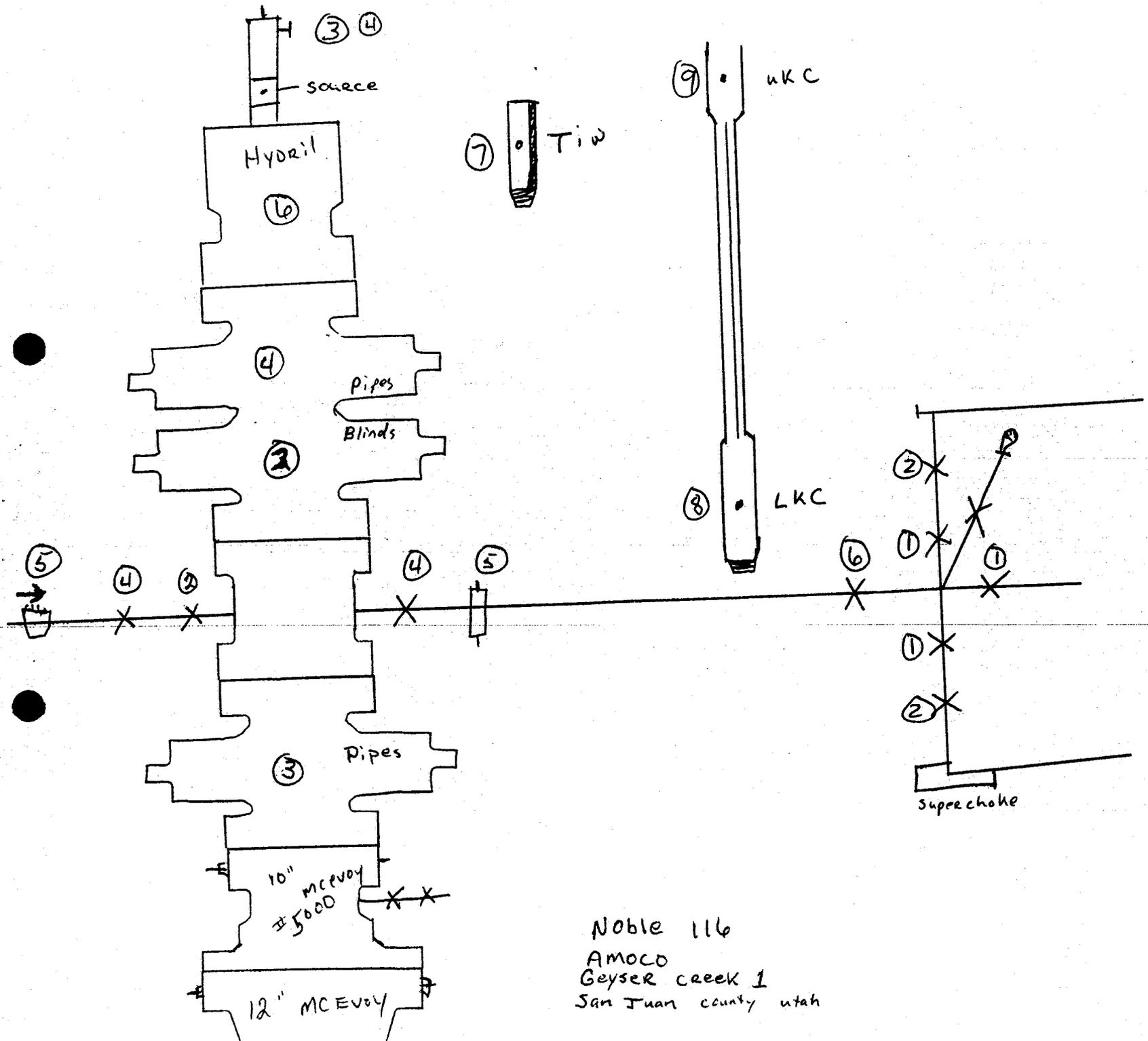
⑨

Upper Kelly Cock

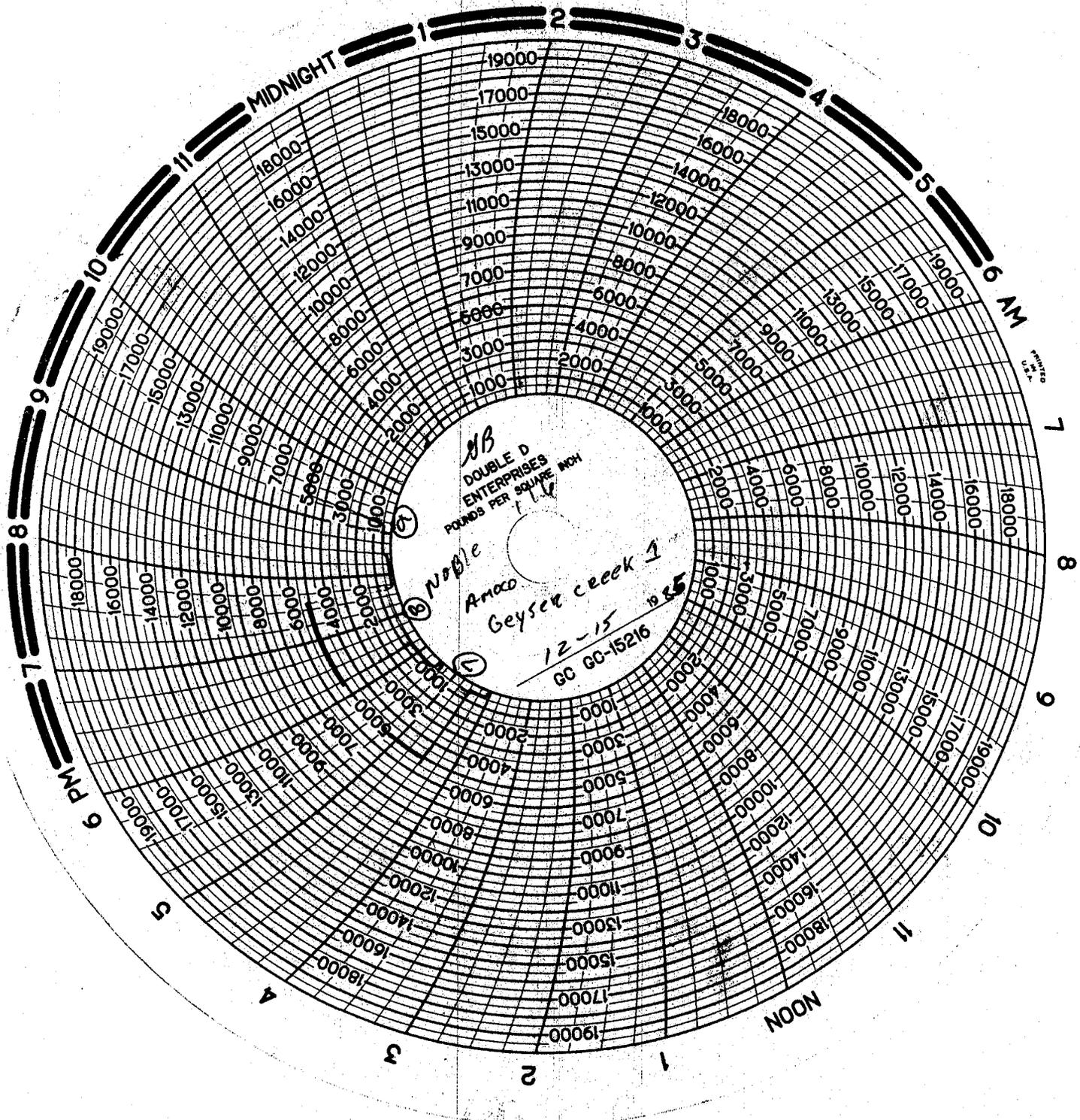
2:12-2:17 200 OK

2:17-2:32 5000 OK

Spool up - made out ticket



Noble 116
 AMOCO
 Geyser creek 1
 San Juan county utah



DOUBLE D
ENTERPRISES
POUNDS PER SQUARE INCH

Noble
Araco
Geyser creek 1
12-15
GC GC-15216

MADE IN U.S.A.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>RECEIVED DEC 24 1985 DIVISION OF OIL GAS & MINING</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. ML-38680 State</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME Geyser Creek Unit</p> <p>8. FARM OR LEASE NAME Geyser Creek Unit</p> <p>9. WELL NO. #1</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 19, T27S, R25E</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p>		
<p>2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY</p>		
<p>3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930</p>		
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NWSE Sec. 19, 2198' FEL & 1462' FSL</p>		
<p>14. PERMIT NO. 43-037-31174</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 10,149' GR</p>	

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

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

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

Date: 12/19/85
Spud Date: 09/12/85
Drilling Contractor: Noble 116
Drilling Ahead
TIGHT HOLE

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

SIGNED *Louis Haggerty* TITLE Administrative Supervisor DATE 12/19/85

(This space for Federal or State office use)

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

VERBAL APPROVAL TO PxA

1-17-86
JRB

Amoco
Geyser Creek #1
Sec. 19, T27S, R25E
San Juan Co.

Ken Armstrong
(307) 789-7700

TD = 15400'

9 5/8 @ 11770 set into Hermosa

13 3/8 @ 3275

Molas @ 14780'

Miss. @ 14920'

Water w/ gel as
annuli

Mud wt. = 8.5

Proposed procedure

① Plug 14970' - 14680' 1/2 tag

② Plug 11820' - 11720'

③ Plug @ 9000'

④ Plug @ 6000'

⑤ Set ret. 2900' 1/2 part @ 3000'

1/2 squeeze w/ cement (~ 475' inside 9 5/8")

⑥ Surface plug inside 9 5/8" 1/2 annuli.

Approved by JRB.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

JAN 06 1986

DIVISION OF OIL
GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.)
At surface
NWSE Sec. 19, 2198' FEL & 1462' FSL

14. PERMIT NO.
43-037-31174

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
10,149' GR

5. LEASE DESIGNATION AND SERIAL NO.
ML-38680 State

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Geysers Creek Unit

8. FARM OR LEASE NAME
Geysers Creek Unit

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19, T27S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

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

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

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

Amoco Production Company proposes to change the depth of said well from original APD from 12,260' to 14,800' to test the Mississippian formation.

TIGHT
HOLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 1-3-86
BY: John R. Bays

18. I hereby certify that the foregoing is true and correct
SIGNED Eric Radams TITLE District Drilling Supervisor DATE 01/03/86

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Formation Top (in feet)		From	Plugs To	Sax Cement
Wingate	1484'	Surface	9 5/8" casing	25 sx
Chinle	1676'	Surface	9 5/8" x 13 3/8"	25 sx
Cutler	5240'	3275'	2800'	275 sx through retainer
Hermosa	11500'	6100'	6000'	50 sx
Molas	14780'	9100'	9000'	50 sx
Mississippian	14920'	11577'	11820'	120 sx Tagged
		14666'	14970'	175 sx Tagged

Cement Retainer was set @ 2900'



STATE OF UTAH
NATURAL RESOURCES
State Lands & Forestry

071405

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Ralph A. Miles, Division Director

355 W. North Temple • 3 Triad Center • Suite 400 • Salt Lake City, UT 84180-1204 • 801-538-5508

July 14, 1986

G. Douglas Pittman
Amoco Production Company
Evanston District Office
1013 Cheyenne Drive
P.O. Box 829
Evanston, WY 82930

Dear Mr. Pittman:

RE: Reclamation and Cleanup of Amoco Production Company
Geyser Creek #1 Well Location, San Juan County, Utah
State of Utah Oil, Gas, and Hydrocarbon Lease ML 38680

It was a pleasure for Mike Grosjean and Stan Baker of the Moab Office, and myself to meet with you on July 1, 1986 to discuss and finalize reclamation plans for the Amoco Production Company Geyser Creek #1 well location. I would like to briefly list the major items of importance that we agreed upon and ask that if you have any questions, problems or concerns that you contact this office.

Reclamation Plans for Amoco Production Company Geyser Creek #1 Well Location

- Total reclamation of location and access road from gate, just above Dark Canyon Road, to location site. Reclamation to include the recontouring and shaping of disturbed area to blend with the surrounding terrain.
- Excess gravel from location and road to be distributed on lower Dark Canyon Road and existing road in shallow spots.
- Gate removed and large rocks placed in and around end of road area to act as barrier and to prevent further vehicular access.
- Twelve inches of topsoil to be spread and contoured on reclaimed location and road.
- Secure permit from Health Department to distribute reserve pit water on roads; otherwise, water must be transported to proper disposal site.
- Pull and remove stream culvert on old road in Baldy Park.)

Amoco Production Company
July 14, 1986
Page Two

- Riprap stream and stream culvert on new road in Baldy Park.
- Reclamation of all landings with brush piles pulled to center and burned late this summer, upon approval and securing of burning permit from the Moab Office.
- Encourage the expedient and timely removal of the timber previously sold to Mr. Stocks.
- Seeding of location, road, and log landings with seed mixtures as provided by Stan Baker, Surface Specialist, by approximately October 1, 1986. Stan Baker is to be notified of the date when seeding will take place so that he may be present on location.
- Reseeding of Amoco Production Company's abandoned Taylor Creek #2 Well location in Section 12, T26S, R25E, SLB&M., Grand County, Utah, where previous seeding was inadequate.
- Check issued by Amoco Production Company to the Division of State Lands and Forestry to be used for the purchase of 1,000 spruce seedlings to be planted on reclaimed location and access road by personnel of the Division of State Lands and Forestry. Mike Grosjean, of our Moab Office, will be the contact person on this item.

If you anticipate any changes in the above agreed upon reclamation plan, unforeseen time delays, or questions not previously answered, we would appreciate notification at your earliest convenience. Any questions or concerns should be addressed to either Mike Grosjean or Stan Baker of our Moab Office, or myself in Salt Lake City. We would appreciate your close cooperation and keeping us informed and up to date as reclamation proceeds. We have found you and Amoco Production Company to be most helpful in the past and we look forward to working with you in the coming weeks and months.

Sincerely,

EDWARD W. BONNER
MINERAL RESOURCES SPECIALIST

EWB/eb
Enclosures
cc: Donald G. Prince
Assistant Director
State Lands & Forestry

Mike Grosjean
Southeastern Regional Manager
State Lands & Forestry

PINE OAK SEED LIST

Amoco Production Company Road & Deck Landings
Beginning at U.S. Forest Service and State Land Boundary
and Continuing Along Road for 1.7 Miles

Poa Pratensis	1 lbs/Acre	Kentucky Bluegrass
Agropyron intermedium	3 lbs/Acre	Intermediate wheatgrass
Agropyron pubescens	2 lbs/Acre	Pubescent wheatgrass
Bromus inermis	2 lbs/Acre	Smooth brome
Medicago ladak	2 lbs/Acre	Ladak or Standard alfalfa
Melilotus officinalis	<u>1 lb/Acre</u>	Yellow Sweet Clover
	12 lbs/Acres	

Seed to be applied on slopes by Hydro-mulching.

Seed to be applied on flat areas by drilling seed.

ASPEN SEED LIST

Amoco Production Company Road, Deck Landings,
and Location Site Beginning at
End of Pine Oak Seeding and Continuing
for an Additional 3.3 Miles to Well Location

Agropyron trachycaulum	3 lbs/Acre	Slender wheatgrass
Dactylis glomerata	3 lbs/Acre	Orchardgrass
Phleum pratense	3 lbs/Acre	Timothy
Bromus inermis	3 lbs/Acre	Smooth brome
Arrhenatherum elatius *	1 lb/Acre	Tall oatgrass
Lolium perenne	<u>2 lbs/Acre</u>	Perennial ryegrass
	15 lbs/Acre	

*If this species cannot be found, replace with increased amount of Slender wheatgrass or Smooth brome.

Seed to be applied on slopes by Hydro-mulching.

Seed to be applied on flat areas by drilling.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

September 17, 1986

Amoco Production Company
Evanston District Office
1013 Cheyenne Drive
P.O. Box 829
Evanston, Wyoming 82930

Gentlemen:

Re: Well No. Geyser Creek #1 - Sec. 19, T. 27S., R. 25E.,
San Juan County, Utah - API #43-037-31174

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log", along with copies of logs and tests run, be filed with this office not later than 90 days after well completion or plugging and abandonment procedures.

Please complete and return the enclosed Form DOGM-3 or the equivalent federal form including copies of logs and tests which may have been run on the referenced well to the address listed below, at your earliest convenience, but not later than October 10, 1986.

Utah Division of Oil, Gas, and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

pk

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Well File
Suspense File

0431S/27

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

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

56 64 01

092913

2

5. LEASE DESIGNATION AND SERIAL NO.

ML-38680 State

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Geysler Creek Unit

8. FARM OR LEASE NAME

Geysler Creek Unit

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

19
Sec. 30, T27S, R25E

12. COUNTY OR PARISH

San Juan

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 PLUG BACK DIFF. RESVR.

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 2204' FEL & 1495' FSL
At top prod. interval reported below
At total depth 1986' FEL & 1922' FSL

RECEIVED
SEP 25 1986
DIVISION OF OIL, GAS & MINING

14. PERMIT NO. 43-043-31174
DATE ISSUED 7-19-85

15. DATE SPUDDED 9-12-85
16. DATE T.D. REACHED 1-16-86
17. DATE COMPL. (Ready to prod.) P&A 1-27-86
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 10,175' KB
19. ELEV. CASINGHEAD 10,149' GL

20. TOTAL DEPTH, MD & TVD 15,405'
21. PLUG, BACK T.D., MD & TVD sfc
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, SFL, GR, SP, BHC, CALI, ITT, LDT, CNL, Dipmeter
27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	778'	26"	575 SX	
13 3/8"	68#	3268'	17.5"	800 SX	
9 5/8"	53.5, 47, 43.5	11770'	12.25"	990 SX	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					N/A		

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

33. PRODUCTION
DATE FIRST PRODUCTION N/A
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
WELL STATUS (Producing or shut-in) P&A 1-27-86

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

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

35. LIST OF ATTACHMENTS

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

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

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

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

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

37. SUMMARY OF POROUS ZONES:

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38.

GEOLOGIC MARKERS

NAME	NEAR. DEPTH	TOP	SUBSURF. DEPTH
Entrada-Navaajo	649'		648'
Kayenta	1346'		1345'
Wingate	1484'		1483'
Chinle	1620'		1691'
Moenkopi	2282'		2270'
White Rim	2540'		2537'
Cutler	2622'		2619'
Hermosa	11500'		11477'
Molas	14780'		14753'
Leadville	14970'		14942'
Dolomite	15114'		15114'



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

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

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

November 14, 1986

Amoco Production Company
 P O Box 829
 Evanston, Wyoming 82930

*Logs are going to be sent
 in a week or two, as
 per Susan Mitchell
 (307) 789-1700 EXT 2242
 11-12-86*

Gentlemen:

Re: Well No. Geyser Creek #1 - Sec. 19, T. 27S, R. 25E
San Juan County, Utah - API #43-037-31174

A review of our records indicates that copies of the DIL, SFL, GR, SP, BHC, CALI, ITT, LDT, CNL, Dipmeter Logs which were run on the referenced well as indicated on the Well Completion Report dated September 22, 1986 have not been received.

Rule 312, Oil and Gas Conservation General Rules, requires that copies of the well logs be submitted within 90 days of plugging procedure.

Please use the address listed below to provide the required logs at your earliest convenience, but not later than November 28, 1986.

Utah Division of Oil, Gas and Mining
 Attention: Suspense File - Norm Stout
 355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203

Respectfully,

CALL
~~CALL~~

No
 Re

*SUSAN MITCHELL
 11-12-86*

you

said she would look into it and call back

ts
 cc: Dianne R. Nielson
 Ronald J. Firth
 John R. Baza
 Well File
 Suspense File

0448S/64



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

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

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

November 14, 1986

Amoco Production Company
 P O Box 829
 Evanston, Wyoming 82930

*Logs are going to be sent
 in a week or two, as
 per Susan Mitchell
 (307) 789-1700 EXT 2242
 M
 11-12-86*

Gentlemen:

Re: Well No. Geyser Creek #1 - Sec. 19, T. 27S, R. 25E
San Juan County, Utah - API #43-037-31174

A review of our records indicates that copies of the DIL, SFL, GR, SP, BHC, CALI, ITT, LDT, CNL, Dipmeter Logs which were run on the referenced well as indicated on the Well Completion Report dated September 22, 1986 have not been received.

Rule 312, Oil and Gas Conservation General Rules, requires that copies of the well logs be submitted within 90 days of plugging procedure.

Please use the address listed below to provide the required logs at your earliest convenience, but not later than November 28, 1986.

Utah Division of Oil, Gas and Mining
 Attention: Suspense File - Norm Stout
 355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
 Records Manager

ts

cc: Dianne R. Nielson
 Ronald J. Firth
 John R. Baza
 Well File
 Suspense File

0448S/64



Amoco Production Company

February 11, 1987

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

RECEIVED
FEB 12 1987

**DIVISION OF
OIL, GAS & MINING**

Re: Geyser Creek #1 Well
Sec. 19, T27S, R25E
San Juan County, Utah

In regards to the above referenced well - said well has been released from the Tight Hole/Confidential status.

Enclosed are the following logs run on the Geyser Creek #1 well:

Two copies each -

CNL ✓
BHC-sonic ✓
DIL/SFL ✓
Long Spaced sonic w/waveforms ✓

4303721179

If you have any questions regarding the enclosed information please give me a call at (307) 783-2234.

Thank you,

Karen Gollmer
Amoco Production Company

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY	3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON WY. 82930	4. LOCATION OF WELL (Report location See also space 17 below.) At surface NWSE Sec. 19, 2 081' ECL & 1462' ESL	5. LEASE DESIGNATION AND SERIAL NO. ML-38680 State	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	7. UNIT AGREEMENT NAME Geyser Creek Unit	8. FARM OR LEASE NAME Geyser Creek Unit	9. WELL NO. #1	10. FIELD AND POOL, OR WILDCAT Wildcat	11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 19, T27S, R25E	12. COUNTY OR PARISH	13. STATE UT
14. PERMIT NO. 31174 43-043-31774		15. ELEVATIONS (Show whether DF, RT, or GR) 10,149' GR			16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		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.)		18. I hereby certify that the foregoing is true and correct		SIGNED <u>[Signature]</u> TITLE <u>District Engineer</u> DATE <u>5-30-89</u>		

RECEIVED
JUN 01 1989

Final Abandonment Notice

Verbal approval was received by Karen Gollmer Amoco from Jim Thompson UTO&GC regarding final abandonment notice for the above referenced well.

The well site has been reclaimed and a sufficient stand of vegetation is growing. The site was inspected by Glen Goodwin of the UTO&GC out of the Salt Lake City Division.

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

SIGNED [Signature] TITLE District Engineer DATE 5-30-89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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

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

56 64 01

12

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 N/A

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with applicable State requirements)*
At surface NWSE Sec. 19, 2198' FEL & 1462' FSL
At top prod. interval reported below
At total depth

RECEIVED
JUN 01 1989

DIVISION OF
OIL, GAS & MINING

43-03T-31174
14. PERMIT NO. 31174 DATE ISSUED 7-19-85
43-043-31774 DTS

5. LEASE DESIGNATION AND SERIAL NO.

ML-38680 State

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Geyser Creek Unit

8. FARM OR LEASE NAME

Geyser Creek Unit

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 19, T27S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

UT

15. DATE SPUDDED 9-12-85 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) N/A 18. ELEVATIONS (DF, RES, RT, GR, ETC.)* 10,149' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 15,405' MD 21. PLUG BACK T.D. REPTED 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY Rotary to TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION, TOP, BOTTOM, NAME (MD AND TVD)* N/A 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DI-SFL w/GR, SP, CNL-LDT, Sonic, Dipmeter, Gyro 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
13 3/8"	61#	3275	17 1/2"	2000 sx	
9 5/8"	47# 53.5#	11770	12 1/4"	1100 sx	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					N/A		

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
N/A	N/A	P & A

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

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

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

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] TITLE District Engineer DATE 5-30-89

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