

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER Wildcat SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 760' FNL x 2080' FWL
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 20 miles southeast of Wellington

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 760'
16. NO. OF ACRES IN LEASE 37,714

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 42,930
19. PROPOSED DEPTH 3500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5775' GL

5. LEASE DESIGNATION AND SERIAL NO.
II-21780

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Desert Lake Unit

8. FARM OR LEASE NAME

9. WELL NO.
5

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. (AND SURVEY OR AREA)
NE/NW Section 34, T17S, R11E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL
Wildcat

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
As soon as permitted

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WRIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3, H-40	300'	354 cu.ft. of Class B with 2% CaCl2.
8-3/4"	5-1/2"	14#, K-55	3500'	850 cu.ft. of Class B 50:50 POZ, 6% gel and 0.8% FLA. Tail-in with 300 cu.ft. Class B neat.

Amoco Production Company proposes to drill the above wildcat well to a depth of 3500' to test the Moenkopi and Kaibab formations. Surface hole will be drilled with native mud. Hole will then be drilled to TD with a water base low solids non-dispersed mud system. One, 60-foot conventional core will be taken in the Moenkopi formation. Shallow aquifers will not be over pressured. Completion will be based on open hole logs. Copies of all logs run will be furnished upon reaching total depth. Copies of location plats are attached as well as additional information required by NTL-6.

THIS WELL IS BEING DRILLED AS A TIGHT HOLE AND INFORMATION IS TO BE KEPT CONFIDENTIAL.

CONFIDENTIAL

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 D. H. Shoemaker TITLE District Engineer DATE 7/19/83

(This space for Federal or State office use)

PERMIT NO. _____

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

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

DATE: 7-28-83
BY: [Signature]

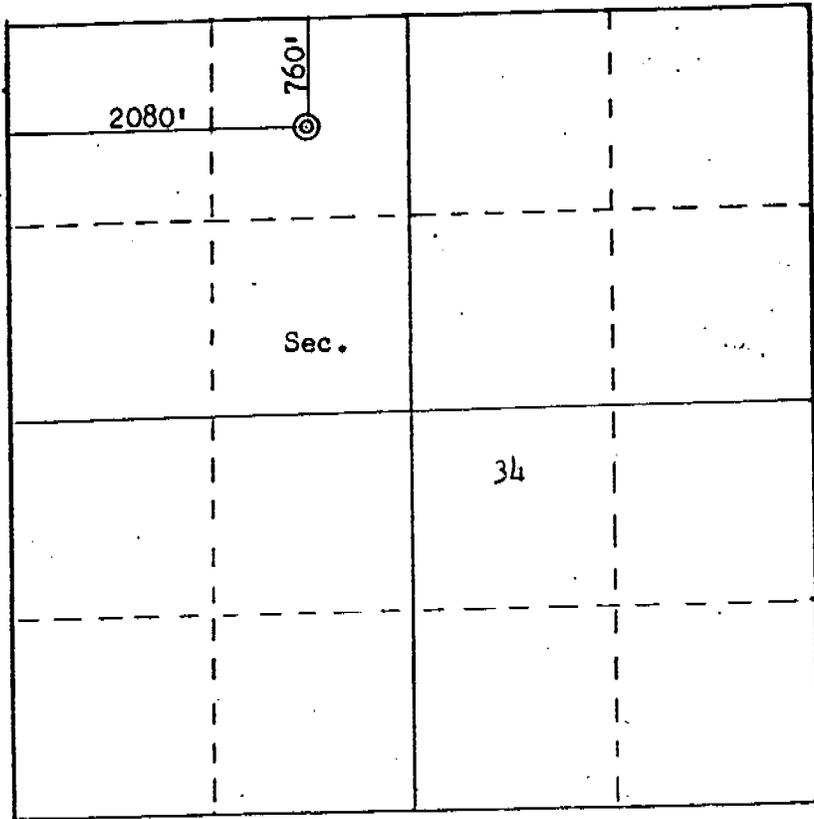
COMPANY AMOCO PRODUCTION COMPANY

LEASE DESERT LAKE UNIT WELL NO. 5

SEC. 34, T. 17S, R. 11E SIM
EMERY COUNTY, UTAH

LOCATION 760' FNL 2080' FWL

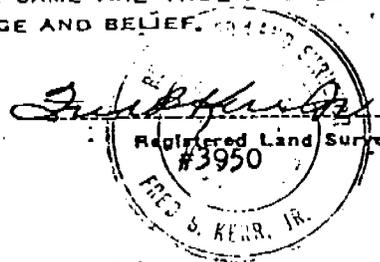
ELEVATION 5775 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



SURVEYED June 21, 1983

SUPPLEMENTAL INFORMATION TO FORM 9-331-C

Desert Lake Unit No. 5
760' FNL x 2080' FWL, Section 34, T17S, R11E
Emery County, Utah

1. Geological Name of Surface Formation: Morrison
2. Estimated Tops of Important Geological Markers:

		<u>Expected Fluids</u>
Curtis	400'	water
Entrada	550'	water
Carmel	1020'	water
Glen Canyon Group	1470'	water
Chinle	2300'	water
Moenkopi	2600'	oil
Kaibab	3380'	oil
White Rim	3460'	water
TD	3500'	

3. Estimated Depths Anticipated to Encounter Water, Oil, Gas, or Other Mineral-Bearing Formations:

See Item No. 2 Above

4. Casing Program: See Form 9-331C, Item No. 23
5. Operators Minimum Specifications for Pressure Control Equipment are Explained on 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. Thereafter, the BOP will be checked daily for mechanical operations only, and will be noted on the IADC Drilling Report. (See Exhibit BOP-3000)
6. Mud Program:

Drilling fluid to TD will be a low solids non-dispersed mud system.
7. Auxiliary Equipment:

Kelly cock, floor sub with full opening valve, geolograph, mudlogging unit (2-man type).
8. Testing Program:

Drill stem tests may be taken if deemed necessary at approximately 2900'-3200', 3350'-3410'

Coring Program:

One 60-foot conventional core will be taken in the Moenkopi formation at approximately 3070'-3130'. One 60-foot conventional core may be taken in the Kaibab formation.

Logging Program:

Open hole logs will include the following from the base of the surface casing to TD:

DIL-GR-SP
FDC-CNL-GR w/Caliper
BHC Sonic - GR
Dipmeter

Completion will be based on these logs.

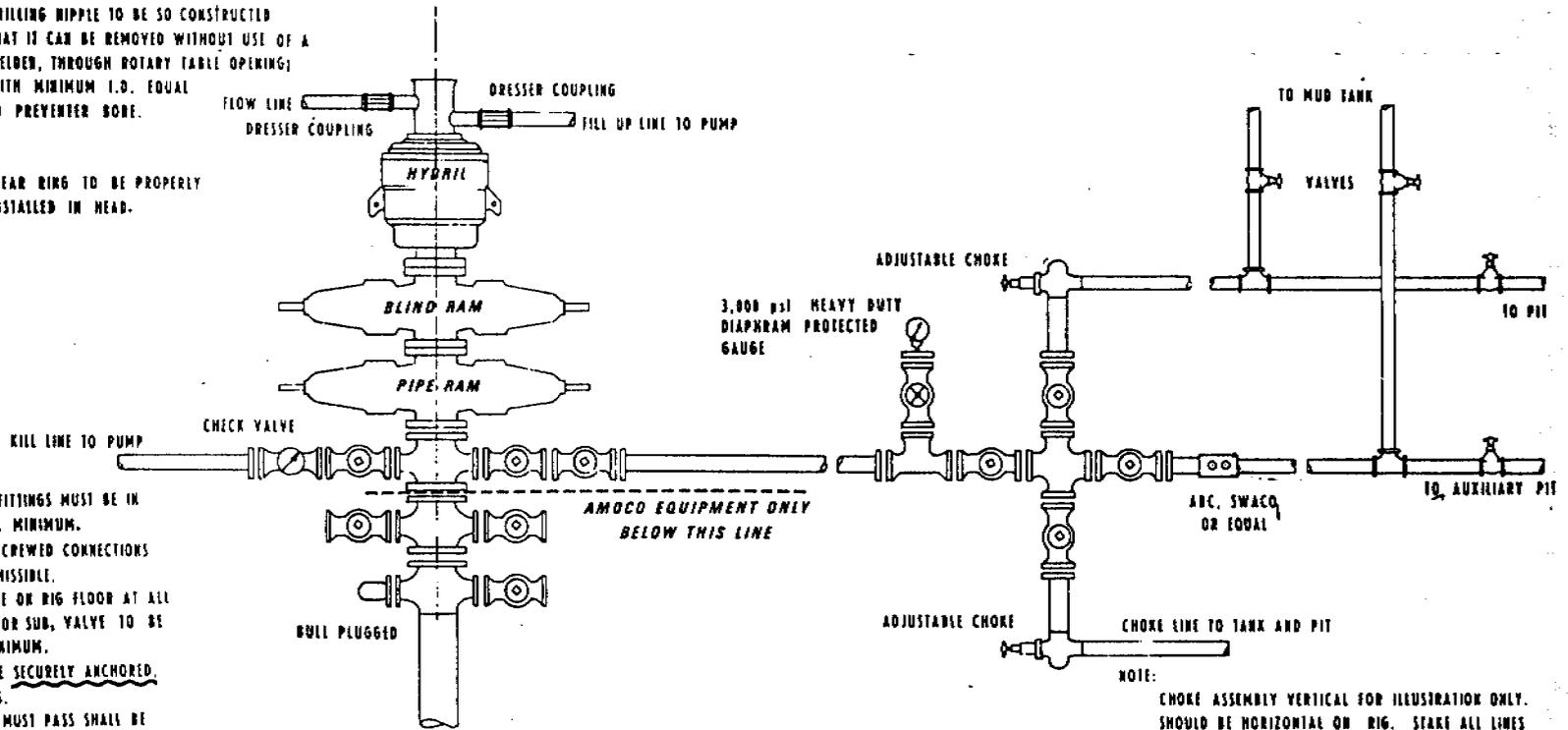
9. No abnormal pressures, temperatures, or hydrogen sulfide gas is anticipated.
10. Operations will commence when approved and will last approximately five (5) weeks from start to finish.

EXHIBIT BOP-3000
MINIMUM BLOW-OUT PREVENTER REQUIREMENTS
3,000 psi W.P.

NOTE:

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

2 WEAR RING TO BE PROPERLY INSTALLED IN HEAD.



NOTE:

- 1 BLOW-OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 3,000 psi W.P. MINIMUM.
- 2 ALL FITTINGS TO BE FLANGED. SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE.
- 3 SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUB. VALVE TO BE FULL BORE 5,000 psi W.P. MINIMUM.
- 4 ALL CHOKE AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKE LINES.
- 5 EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
- 6 KELLY COCK ON KELLY.
- 7 EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES.
- 8 BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE.
- 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 80 GALLON ACCUMULATOR, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION, AND MEET ALL IADC SPECIFICATIONS.

NOTE:
 ALL VALVES TO BE FULL OPENING

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

MULTI-POINT SURFACE USE & OPERATIONS PLAN

Desert Lake Unit No. 5
760' FNL & 2080' FWL, Section 34, T17S, R11E
Emery County, Utah

1. EXISTING ROADS:

- A. Proposed well site as staked: NE/4, NW/4, Section 34, T17S, R11E, See Exhibit "C"
- B. Route and distance from nearest town or locatable reference to where well access route leaves main road: See Exhibit "B"
- C. Access road to location color-coded or labeled: See Exhibit "A"
- D. If exploratory well, all existing roads within a 3-mile radius of wellsite: See Exhibit "D"
- E. If development well, all existing roads within a 1-mile radius of wellsite: N/A
- F. Plans for improvement and/or maintenance of existing roads:

Amoco proposes to repair and improve approximately 1500' of Seismic trail from its point of beginning in Section 27, T17S, R11E, to its end at the well site in Section 34, T17S, R11E. The access road will be bar ditched on up-hill side, if necessary. See Exhibit "A". The BLM's representative (Sid Vogelpohl) will be notified at least 48 hours prior to any surface disturbing activities associated with new access roads or drill pad location.

2. PLANNED ACCESS ROADS:

- 1. Width: 16 feet
- 2. Maximum Grade: 2%
- 3. Drainage Design: Crowned and ditched with water bars
- 4. Turnouts: Every 1000 feet
- 5. Location and size of culverts, location of any major cuts or fills: None
- 6. Surfacing Material: Native Soil
- 7. Gates, cattleguards, or fencecuts: None
- 8. Centerline stake for new or reconstructed access: Centerline flagging for access and location is in place. Roads will be constructed where flagging was located during the onsite inspection.

3. LOCATION OF EXISTING WELLS:

- 1. Water wells: None (Desert Lake Unit No. 1, SE/4, NE/4, Section 22, T17S, R12E)
- 2. Abandoned wells: 1 (Lucky Flats No. 1, NE/4, SE/4, Section 27, T17S, R12E)
- 3. Temporarily Abandoned wells: None
- 4. Disposal wells: None
- 5. Drilling wells: None
- 6. Producing wells: None
- 7. Shut-in wells: None
- 8. Injection wells: None
- 9. Monitoring or observation wells: None

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. Lessee Operated/Owned Facilities within a 1-mile Radius:

- (1) Tank Batteries: None
- (2) Production Facilities: None
- (3) Oil Gathering Lines: None
- (4) Gas Gathering Lines: None
- (5) Injection Lines: None
- (6) Disposal Lines: None

B. New Lessee Operated/Owned Facilities in the Event of Production:

- (1) Location of all Lines: Location of all lines are to be on the drillsite.
- (2) Dimension of Facilities: Approximately 125' x 125'
- (3) Construction Methods and Materials: Amoco and OSHA approved construction methods and materials will be used.
- (4) Protective Measures and Devices to Protect Livestock and Wildlife: Pits will be fenced and covered until dry, then backfilled. A pumping unit, if installed, will be fenced. Recycle pumps, if any, will be enclosed.

C. Plan for Rehabilitation of Disturbed Areas No Longer Needed for Operations After Construction is Completed:

Areas no longer needed will be leveled and contoured to as nearly the original topography as is feasible. The top soil will be evenly spread over the entire location after contouring is complete. The area will be reseeded with recommendations from the Bureau of Land Management.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Location and Type by Map or Description: Water will be hauled from Cleveland and Huntington, Utah which are approximately 15 miles west of the drill site.
- B. Transportation & Roads: Water will be trucked from Huntington and Cleveland, Utah. See Exhibit "D".
- C. Water Well to be Drilled: None

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Location by Map or Description: Construction materials will be obtained from the disturbed area.
- B. Federal or Indian Land Ownership: Bureau of Land Management administers surface resources out of Price River Resource Area Office.
- C. Construction Material Obtained and Used: No construction material will be hauled in for this project.

D. Access Roads on Federal or Indian Land to Construction Material Source: None Required.

7. METHODS FOR HANDLING WASTE DISPOSAL:

1. Cuttings: A 100' x 100' x 5' reserve pit will be built on location to hold all drilling waste and lined with plastic in order to prevent seepage.
2. Drilling Fluid: See 1, above
3. Produced Fluids, Oil and Water: To be contained in the reserve pit until clean-up, then skimmed or burned as the situation dictates. Drained equipment oil will be disposed of in pit.
4. Sewage: Sewage is to be buried or trucked from the location after operations are concluded. Sanitation facilities will be provided as required by the State of Utah.
5. Garbage and Other Waste: Will be contained in a steel mesh portable trash container 8' x 12' x 6' enclosed, and will be hauled from location to an authorized landfill when filled.
6. Clean Up After Rig Removal: The surface of the drill pad will be graded. The "mouse" and "rat" holes, sewage, burn pits, etc., will be filled as soon as possible; the reserve pit will be fenced on all four sides until dry, then filled, recontoured and seeded.

8. AUXILIARY FACILITIES: Camps and/or Airstrips

None Planned.

9. WELL SITE LAYOUT:

1. Drill Pad Cross Section: See Exhibit "C"
2. Location of Mud Tanks, Reserve Pit, Burn and Trash Pit, Etc.: See Exhibit "E"
3. Rig Orientation: See Exhibit "E"
4. Pits: Mud pits will be lined with plastic as requested by the BLM, in order to prevent seepage and spillage into the adjacent wash. The pad construction shall not approach the principal drainage nearer than 10 feet.

10. PLANS FOR RESTORATION OF SURFACE:

1. All pits and holes will be filled after rig removal except the reserve pit which will be fenced on all four sides.
2. Six to eight inches of topsoil on the entire pad site or all available topsoil shall be removed and stock piled. Revegetation and rehabilitation of the location and access roads will be handled per BLM specifications.
3. Pits will be fenced per stipulations during drilling operations and after rig release.
4. Reserve pit oil will be removed, burned or the pit flagged as necessary.
5. Rehabilitation and reseeded will take place within 90 days of completion of operations or as weather conditions permit.
6. Upon completion of drilling operations, the BLM will be notified so that an inspection may be conducted to determine if mitigating measures in addition to those included in this surface use plan are necessary.

11. OTHER INFORMATION:

1. General Description of Surface: The general topography and soil characteristics are a rocky, sloping sandy loam soil, and cedar trees and native grasses.
2. Surface Use and Surface Ownership: The area is primarily used for cattle and sheep grazing.

3. Proximity of Water, Occupied Dwellings, Archaeological, Historical, or Cultural Sites. There are no occupied dwellings in the area. The area identified as containing paleontological findings shall be avoided.

12. OPERATOR'S REPRESENTATIVE: S. D. Blossom
Phone (Office): 505-325-8841
Address: 501 Airport Drive, Farmington, NM 84701

13. CERTIFICATION: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION COMPANY and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE:

7/21/83


S. D. Blossom, District Superintendent

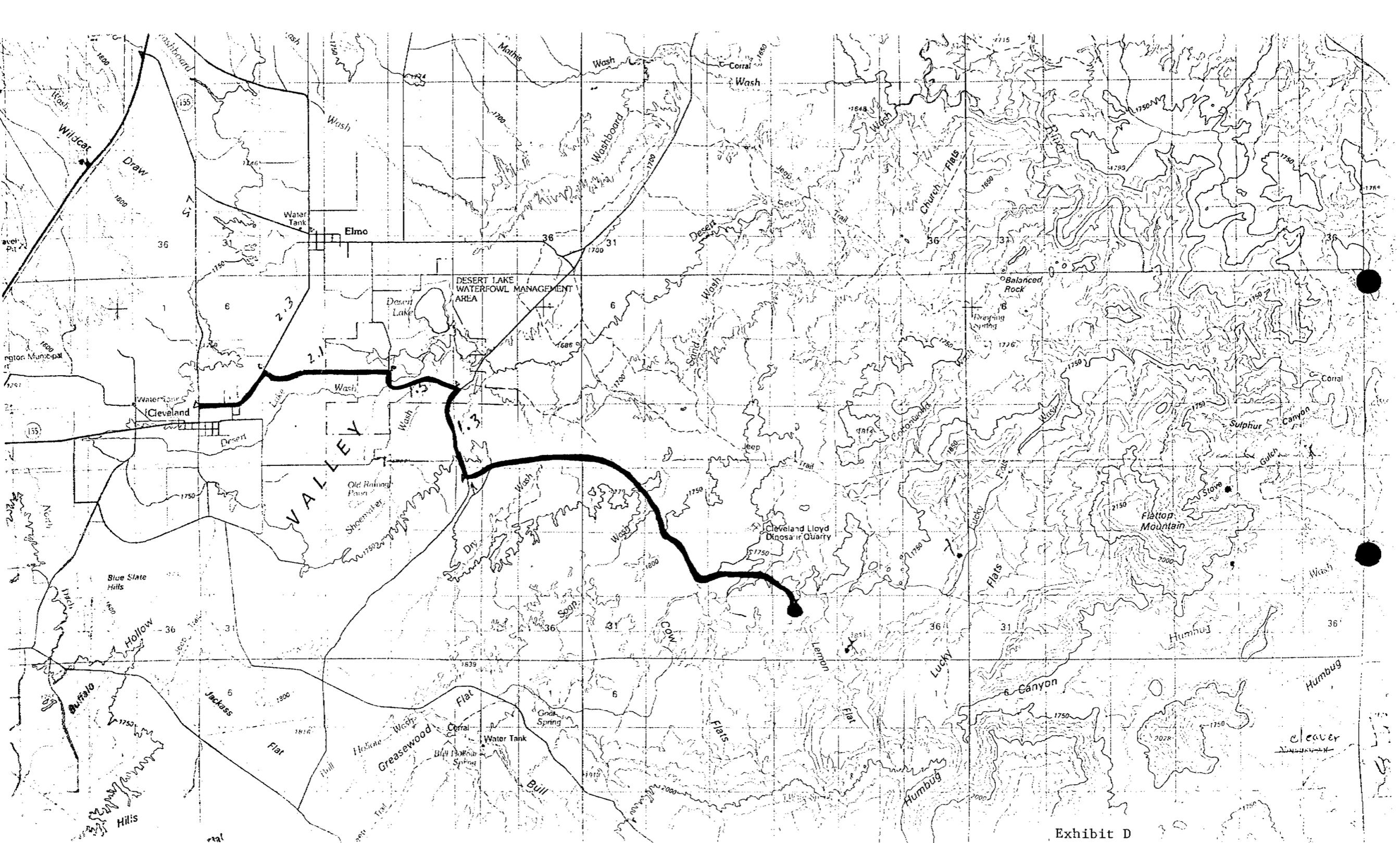
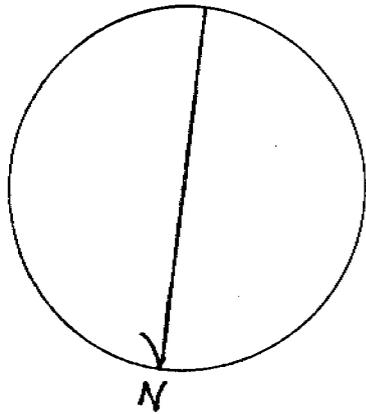
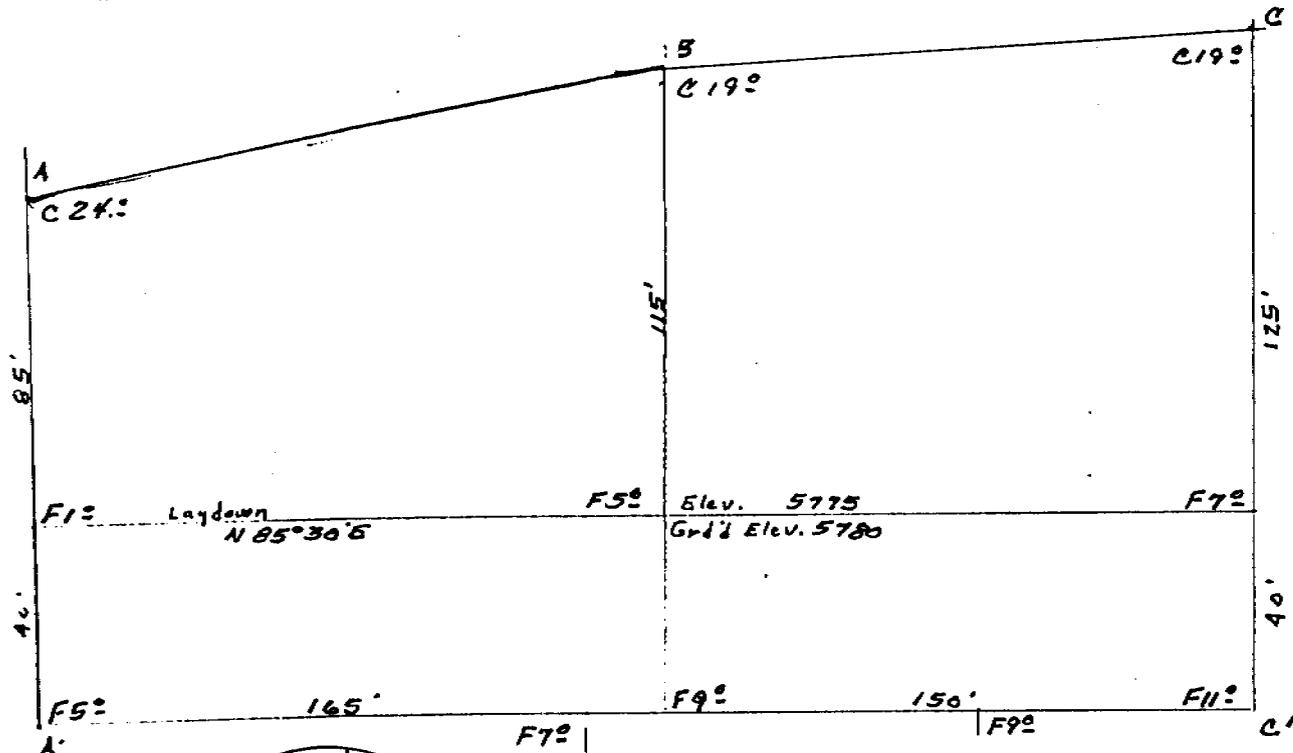


Exhibit D

AMOCO PRODUCTION COMPANY #5 DESERT LAKE UNIT
 760'FWL 2080'FWL Sec. 34-T17S-R1E S1M
 EMERY COUNTY, UTAH



Scale: 1"=50'

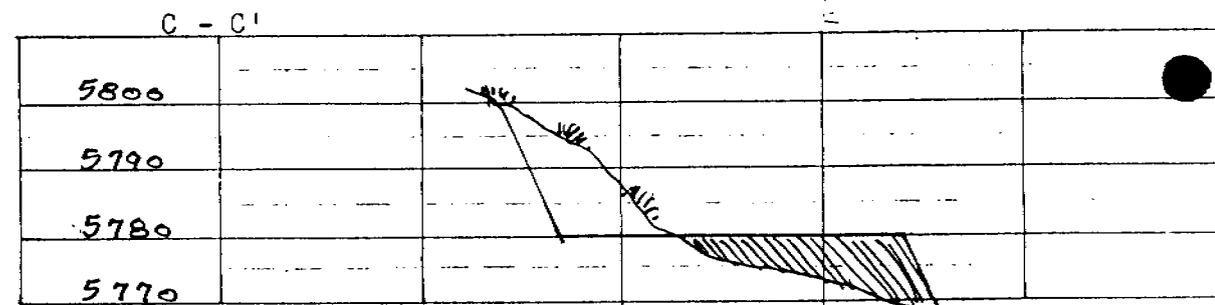
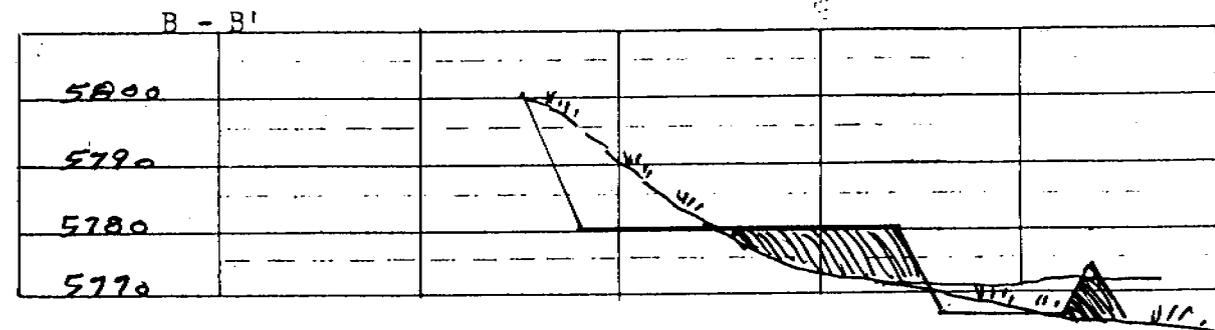
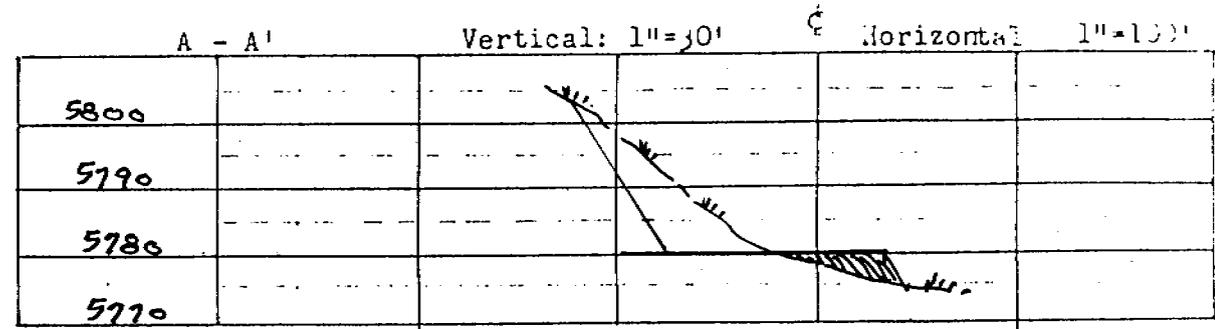


Exhibit C

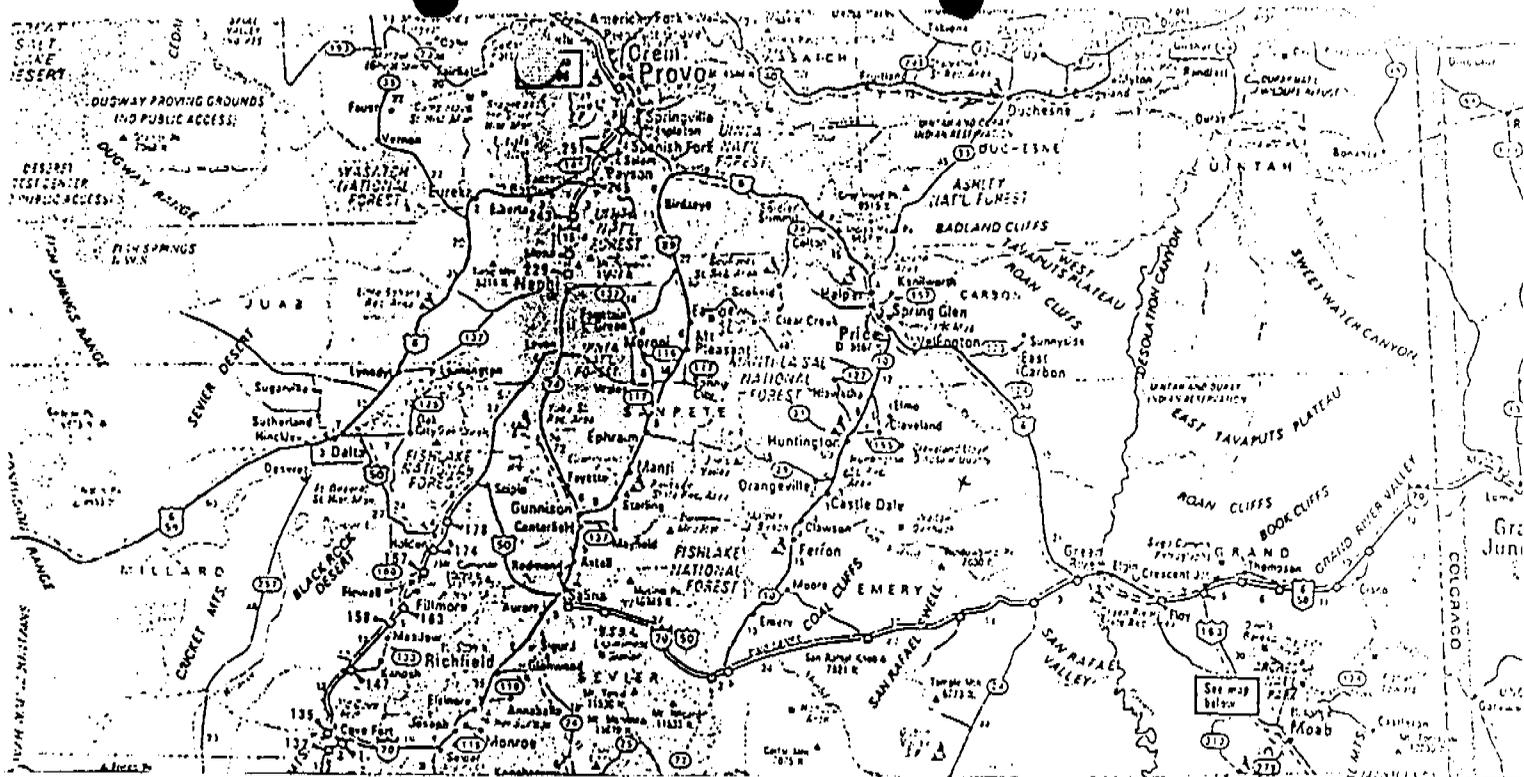
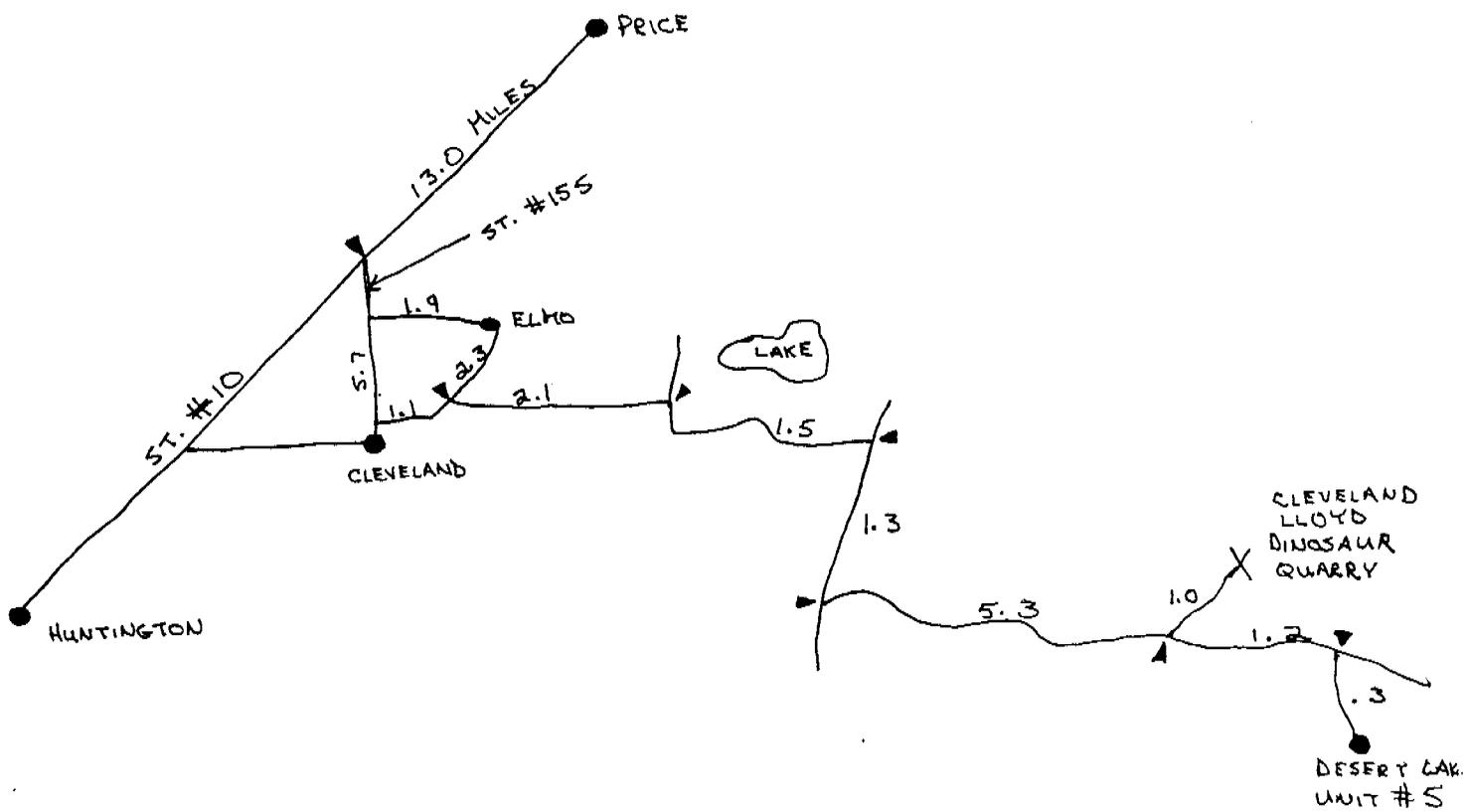


Exhibit B



Farmington District Transportation Sketch
 Denver Region
 Desert Lake Unit No. 5
 Emery County, Utah
 Amoco Working Interest: 100%

Rail Point- Grand Junction, Co. - 128 miles
 Mud Point- Grand Junction, Co.- 128 miles
 Cement Point- Grand Junction, Co.- 128 miles

E

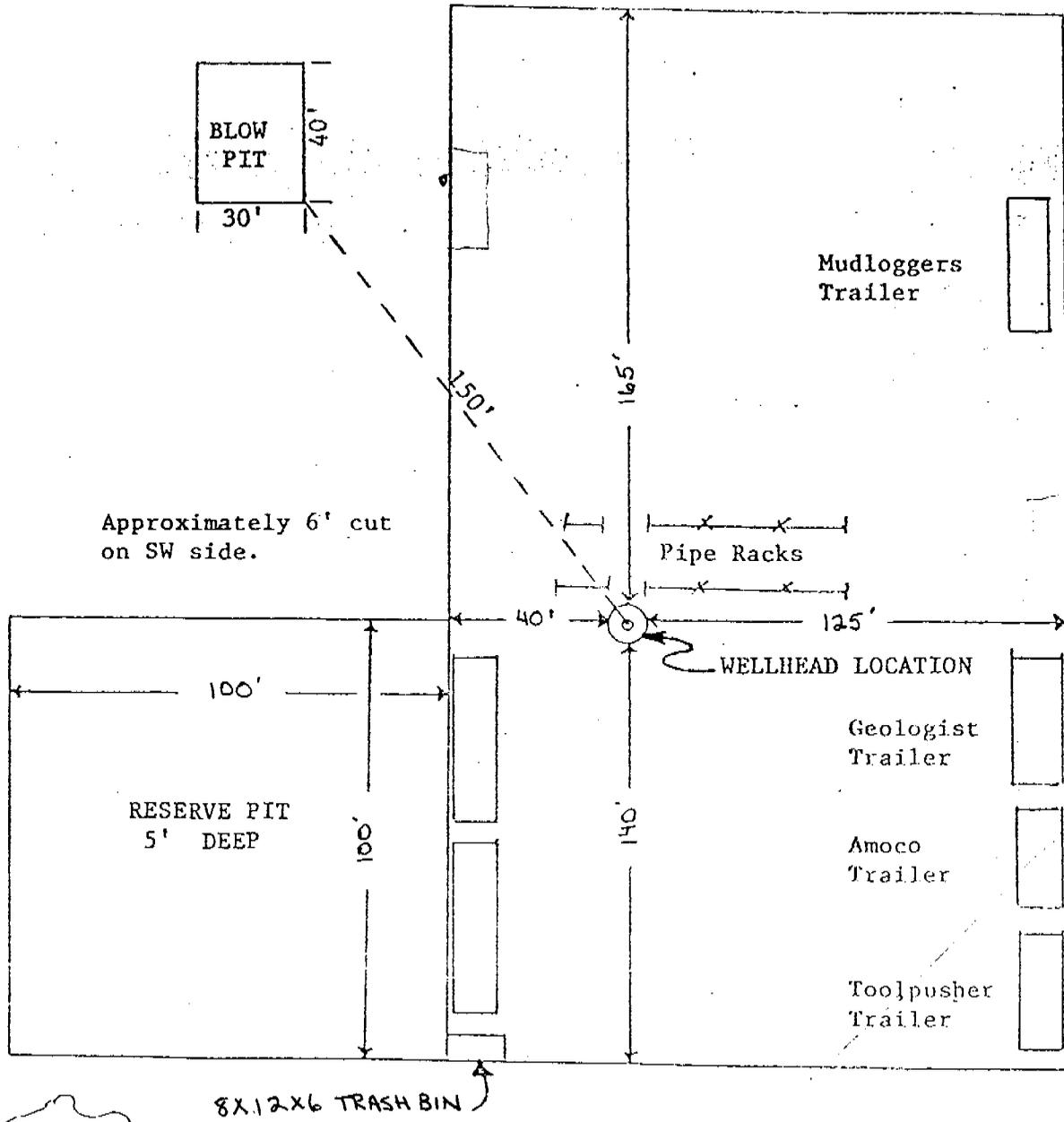


EXHIBIT "E"

APPROXIMATELY 1.2 ACRES

Amoco Production Company	SCALE:
DRILLING LOCATION SPECIFICATIONS	
DESERT LAKE UNIT No. 5	DRG. NO.

OPERATOR AMOCO PRODUCTION CO.

DATE 7-28-83

WELL NAME DESERT LAKE UNIT #5

SEC NENW 34 T 17S R 11E COUNTY EMERY

43-015-30174
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

CHIEF PETROLEUM ENGINEER REVIEW:

7/28/83 ✓

APPROVAL LETTER:

SPACING:

A-3

DESERT LAKE
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

UNITED

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT DESERT LAKE

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 28, 1983

Amoco Production Company
501 Airport Drive
Farmington, New Mexico 87401

RE: Well No. Desert Lake Unit #5
NENW Sec.34, T. 17S, R. 11E
760' FNL, 2080' FWL
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil/gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

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

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

Enclosed please find Form OGC-3-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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

The API number assigned to this well is 43-015-30174.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: Oil & Gas Operations
Encl.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER Wildcat

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3. ADDRESS OF OPERATOR
 501 Airport Drive, Farmington, NM 87401

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RECEIVED
 AUG 29 1983
 DIVISION OF
 OIL, GAS & MINING

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 Approximately 20 miles southeast of Wellington

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24. SIGNED N. H. Shremaker TITLE District Engineer DATE 7/19/83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE District Manager DATE 8/2/83

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF
 GAS IS SUBJECT OF NTL 4-A
 DATED 1/1/80

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Amoco Production Company Well No. 5
Location NE/NW Section 34, T. 17 S., R. 11 E. Lease No. U-21780

**A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the respective District Manager's office within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Manager's office on a frequency and form or method as may be acceptable to the District Manager.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Manager. "Sun-dry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Manager.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify at least (24) (48) hours prior to commencing field operations to allow this office to have personnel present for consultation during the construction of roads and locations.

Your contact with the District Office is: Tom Hare

Office Phone: 801-259-6111 Ext. 235 Home Phone: 801-259-7965

City: Moab State: Utah

Resource Area Manager's Address and contacts are:

Address: 900 North 700 East, P.O. Box AB, Price, Utah 84501

Your contact is: Daniel C. Cressy

Office Phone: 801-637-4584 Home Phone: 801-637-9077

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address and telephone number.
 - b. Well name and number.
 - c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
 - d. Date was placed in a producing status.
 - e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.

g. If appropriate, the unit agreement name, number and participating area name.

h. If appropriate, the communitization agreement number.

13.

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

Amoco Production Company
Well No. 5
T. 17 S., R. 11 E., Sec. 34
Emery County
Lease U-21780

Supplemental Stipulations:

1. A temporary fence will be constructed between the drill pad and the site where dinosaur bones were found.
2. Work will be halted and the BLM contacted if dinosaur bones are exposed during pad construction.
3. Plastic pit liners of at least 20 mil thickness will be used to prevent leakage. If rolled polyethylene is used, the pit bed must be completely free of rock fragments. The plastic must be laid with overlaying edges and sealed with a commercial sealant such as silicone rubber. The plastic liners must also be installed with five-inch folds or similar configuration at the anchoring point in the dike tops in order to allow for slumping of the underlying soil without rupturing the liner.

CORE ANALYSIS RESULTS

for

AMOCO PRODUCTION COMPANY

DESERT LAKE NO. 5 WELL
WILDCAT
EMERY COUNTY, UTAH

AMOCO PRODUCTION COMPANY
 DESERT LAKE NO. 5
 WILDCAT
 EMERY COUNTY, UTAH

DATE : 9-14-83
 FORMATION : MOENKOPI
 DRLG. FLUID: WBM
 LOCATION : NE NW SEC. 34 T17S R11E

FILE NO : 3807-0052
 ANALYSTS : R. KOHL
 ELEVATION: 5788 KB

CONVENTIONAL ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM K _a MAXIMUM	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
1	2722.0-23.0	0.01	2.8	56.6	18.9	2.70	SD VFG DOLO
2	2723.0-24.0	0.01	2.8	63.4	15.9	2.69	SD VFG DOLO
3	2724.0-25.0	<0.01	2.1	71.8	10.3	2.70	SD VFG DOLO
4	2725.0-26.0	0.06	0.9	64.6	14.3	2.69	SD VFG DOLO LAM
5	2726.0-27.0	<0.01	0.5	64.8	14.4	2.68	SD VFG DOLO
6	2727.0-28.0	<0.01	1.1	77.6	9.7	2.69	CVF SD VFG DOLO
7	2728.0-29.0	<0.01	0.8	61.6	17.6	2.70	SD VFG DOLO SHLY
8	2729.0-30.0	<0.01	1.0	76.0	9.5	2.66	SD VFG DOLO
9	2730.0-31.0	<0.01	0.8	73.3	12.2	2.70	SD VFG DOLO
10	2731.0-32.0	<0.01	1.0	63.3	15.8	2.68	CVF SD VFG DOLO
11	2732.0-33.0	<0.01	0.9	75.1	10.7	2.70	OVF SD VFG DOLO
12	2733.0-34.0	0.01	1.6	67.0	11.2	2.73	SD VFG DOLO SHLY
13	2734.0-35.0	0.01	0.4	59.7	14.9	2.68	SD VFG DOLO
14	2735.0-36.0	<0.01	1.1	70.4	11.3	2.71	SD VFG DOLO
15	2736.0-37.0	<0.01	0.8	68.2	11.4	2.69	OVF SD VFG DOLO SHLY
16	2737.0-38.0	<0.01	0.5	45.0	22.5	2.68	CVF SD VFG DOLO SHLY
17	2738.0-39.0	0.01	1.3	0.0	54.4	2.76	SD VFG SHLY PYR
18	2739.0-40.0	0.06	0.6	43.0	47.7	2.74	CVF SD VFG SHLY PYR
19	2740.0-41.0	<0.01	0.4	66.4	11.1	2.67	CVF SD VFG SHLY PYR
20	2741.0-42.0	0.02	1.4	66.4	22.1	2.73	CVF SD VFG SHLY PYR
21	2742.0-43.0	<0.01	0.9	10.4	41.6	2.71	CVF SD VFG SHLY PYR
22	2743.0-44.0	0.81	0.6	19.1	38.3	2.73	SD VFG PYR SHL LAM
23	2744.0-45.0	0.02	0.5	24.5	49.0	2.77	DOLO VF/XLN LMY V/SHLY PYR
24	2745.0-46.0	1.53	0.7	60.0	13.3	2.75	CVF DOLO VF/XLN V/SHLY PYR
25	2746.0-47.0	<0.01	0.7	74.2	12.4	2.72	DOLO VF/XLN V/SHLY
26	2747.0-48.0	0.06	1.0	66.6	11.1	2.76	CVF DOLO VF/XLN V/SHLY PYR
27	2748.0-49.0	0.02	0.7	72.8	10.4	2.73	DOLO VF/XLN V/SHLY PYR
28	2749.0-50.0	<0.01	0.8	71.2	10.2	2.70	CVF DOLO VF/XLN V/SHLY LHY

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AMOCO PRODUCTION COMPANY
 DESERT LAKE NO. 5

DATE : 9-14-83
 FORMATION : MOENKOPI

FILE NO : 3807-0052
 ANALYSIS : R. KOHL

CONVENTIONAL ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM K _a MAXIMUM	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION				
29	2750.0-51.0	0.01	0.8	50.0	33.3	2.74	CVF	DOLO	VF/XLN	V/SHLY	PYR
30	2751.0-52.0	<0.01	0.6	71.1	10.2	2.71		DOLO	VF/XLN	V/SHLY	PYR LMY
31	2752.0-53.0	0.01	1.5	72.4	12.1	2.75	CVF	DOLO	VF/XLN	V/SHLY	PYR
32	2753.0-54.0	<0.01	0.4	69.2	15.4	2.70	CVF	DOLO	VF/XLN	V/SHLY	PYR
33	2754.0-55.0	<0.01	0.4	61.8	28.1	2.71		DOLO	VF/XLN	V/SHLY	PYR LMY
34	2755.0-56.0	<0.01	0.4	60.3	27.5	2.72		DOLO	VF/XLN	V/SHLY	LMY
35	2756.0-57.0	<0.01	0.3	55.7	25.4	2.73		DOLO	VF/XLN	V/SHLY	LMY
36	2757.0-58.0	<0.01	0.4	59.4	27.1	2.70	CVF	DOLO	VF/XLN	V/SHLY	LMY
37	2758.0-59.0	<0.01	0.2	67.7	22.6	2.71		DOLO	VF/XLN	V/SHLY	LKY
38	2759.0-60.0	<0.01	0.7	50.7	25.4	2.71	CVF	DOLO	VF/XLN	V/SHLY	LMY
39	2760.0-61.0	<0.01	0.3	44.5	29.7	2.71	CVF	DOLO	VF/XLN	V/SHLY	LMY
40	2761.0-62.0	<0.01	1.0	60.2	20.1	2.69		DOLO	VF/XLN	V/SHLY	LKY
41	2762.0-63.0	<0.01	1.1	57.7	19.2	2.70		DOLO	VF/XLN	V/SHLY	LMY
42	2763.0-64.0	<0.01	0.4	62.9	14.0	2.70		DOLO	VF/XLN	V/SHLY	LMY
43	2764.0-65.0	<0.01	0.4	54.5	15.6	2.69		DOLO	VF/XLN	V/SHLY	LMY
44	2765.0-66.0	<0.01	4.1	46.7	40.1	2.72	CVF	DOLO	VF/XLN	V/SHLY	LMY
45	2766.0-67.0	0.04	7.1	37.2	46.0	2.77	CVF	DOLO	VF/XLN	LKY	
46	2767.0-68.0	23.	18.0	14.5	29.8	2.82		DOLO	DDL	LMY	
47	2768.0-69.0	0.22	9.2	21.2	35.6	2.81	CVF	DOLO	VF/XLN	DDL	LMY
48	2769.0-70.0	0.82	13.3	21.0	30.3	2.78	CVF	DOLO	VF/XLN	LKY	
49	2770.0-71.0	<0.01	2.6	39.7	35.3	2.72		DOLO	VF/XLN	V/LMY	
50	2771.0-72.0	0.04	9.4	25.9	29.8	2.74		DOLO	VF/XLN	LMY	
51	2772.0-73.0	<0.01	5.7	24.6	54.0	2.75	CVF	DOLO	VF/XLN	LMY	
52	2773.0-74.0	0.01	5.1	38.0	43.4	2.70		DOLO	VF/XLN	LKY	SHLY
53	2774.0-75.0	0.02	6.7	47.9	31.9	2.72		DOLO	VF/XLN	LMY	
54	2775.0-76.0	0.01	5.5	36.3	38.0	2.70		DOLO	VF/XLN	LMY	
55	2776.0-77.0	0.01	2.8	29.3	39.1	2.70	CVF	DOLO	VF/XLN	LMY	SHLY
56	2777.0-78.0	<0.01	4.1	44.9	32.9	2.70	CVF	DOLO	VF/XLN	LMY	SHLY
57	2778.0-79.0	0.02	1.0	31.7	54.4	2.75		DOLO	VF/XLN	LMY	
58	2779.0-80.0	<0.01	3.1	48.3	32.2	2.73		DOLO	VF/XLN	LMY	

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

AMOCO PRODUCTION COMPANY
 DESERT LAKE NO. 5

DATE : 9-14-83
 FORMATION : MOENKOPI

FILE NO : 3807-0052
 ANALYSTS : R. MOHL

CONVENTIONAL ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM Ka MAXIMUM	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
59	2780.0-81.0	<0.01	4.5	65.7	17.3	2.74	DOLO VF/XLN LMY
60	2781.0-82.0	<0.01	1.4	51.4	29.4	2.71	DOLO VF/XLN LMY

CVF=CLOSED VERTICAL FRACTURE OVF=OPEN VERTICAL FRACTURE

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

AMOCO PRODUCTION COMPANY
 DESERT LAKE NO. 5

DATE : 9-14-83
 FORMATION : HOENKOPI

FILE NO. : 3807-0052
 ANALYSTS : R. MOHL

*** CORE SUMMARY AND CALCULATED RECOVERABLE OIL ***

DEPTH INTERVAL: 2722.0 TO 2782.0

FEET OF CORE ANALYZED : 60.0 FEET OF CORE INCLUDED IN AVERAGES: 60.0

-- SAMPLES FALLING WITHIN THE FOLLOWING RANGES WERE AVERAGED --

PERMEABILITY HORIZONTAL RANGE (MD.)	:	0.00 TO 25.	(UNCORRECTED FOR SLIPPAGE)
HELIUM POROSITY RANGE (%)	:	0.0 TO 100.0	
OIL SATURATION RANGE (%)	:	0.0 TO 100.0	
WATER SATURATION RANGE (%)	:	0.0 TO 100.0	

SHALE SAMPLES EXCLUDED FROM AVERAGES.

AVERAGE PERMEABILITY (MILLIDARCIES)		AVERAGE TOTAL WATER SATURATION	:	30.5
ARITHMETIC PERMEABILITY	:	(PERCENT OF PORE SPACE)		
GEOMETRIC PERMEABILITY	:			
HARMONIC PERMEABILITY	:	AVERAGE CONNATE WATER SATURATION	:	(E) 21.5
		(PERCENT OF PORE SPACE)		
PRODUCTIVE CAPACITY (MILLIDARCY-FEET)		OIL GRAVITY (API)	:	(E) 38.0
ARITHMETIC CAPACITY	:			
GEOMETRIC CAPACITY	:	ORIGINAL FORMATION VOLUME FACTOR	:	(F) 1.10
HARMONIC CAPACITY	:	(BBL'S SATURATED OIL/STOCK-TANK BBL)		
AVERAGE POROSITY (PERCENT)	:	ORIGINAL STOCK-TANK OIL IN PLACE	:	(C) 130
		(BARRELS PER ACRE-FOOT)		
AVERAGE RESIDUAL OIL SATURATION	:			
(PERCENT OF PORE SPACE)	:			

=====

INTERPRETATION OF DATA

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(C) CALCULATED (E) ESTIMATED (M) MEASURED (*) REFER TO ATTACHED LETTER.

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PERMEABILITY VS POROSITY

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD : WILDCAT

WELL : DESERT LAKE NO. 5
 COUNTY, STATE: EMERY COUNTY, UTAH

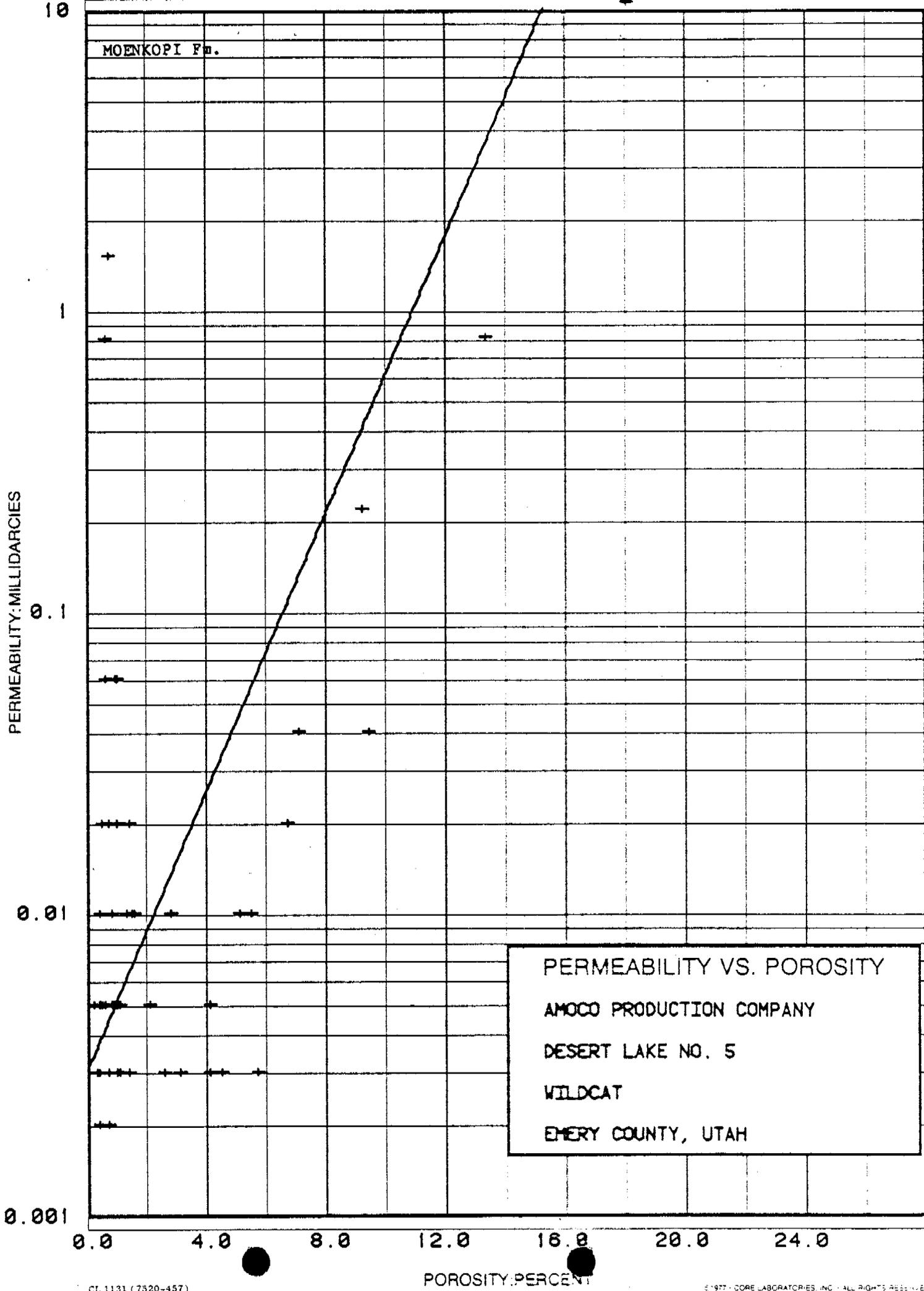
AIR PERMEABILITY : MD - HORIZONTAL (UNCORRECTED FOR SLIPPAGE)
 POROSITY : PERCENT (HELIUM)

DEPTH INTERVAL	RANGE & SYMBOL	PERMEABILITY		POROSITY		POROSITY AVERAGE	PERMEABILITY AVERAGES		
		MINIMUM	MAXIMUM	MIN.	MAX.		ARITHMETIC	HARMONIC	GEOMETRIC
2722.0 - 2782.0	1 (+)	0.001	25.0	0.0	25.0	2.4	0.45	0.01	0.01

EQUATION OF REDUCED LINE RELATING PERMEABILITY(K) TO POROSITY :

$$\begin{aligned} \log(K) &= (\text{SLOPE})(\text{POROSITY}) + \text{LOG OF INTERCEPT} \\ K &= \text{ANTILOG}((\text{SLOPE})(\text{POROSITY}) + \text{LOG OF INTERCEPT}) \end{aligned}$$

RANGE	EQUATION OF THE LINE
1	PERM = ANTILOG((0.2310)(POROSITY) + -2.5247)



STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: AMOCO PRODUCTION COMPANY
FIELD : WILDCAT

WELL : DESERT LAKE NO. 5
COUNTY, STATE: EMERY COUNTY, UTAH

AIR PERMEABILITY : MD. (HORIZONTAL) RANGE USED 0.001 TO 25.
POROSITY : PERCENT (HELIUM) RANGE USED 0.0 TO 46.0

(PERMEABILITY UNCORRECTED FOR SLIPPAGE)

DEPTH LIMITS : 2722.0 - 2782.0 INTERVAL LENGTH : 60.0
FEET ANALYZED IN ZONE : 60.0 LITHOLOGY EXCLUDED : NONE

DATA SUMMARY

POROSITY AVERAGE	PERMEABILITY AVERAGES		
	ARITHMETIC	HARMONIC	GEOMETRIC
2.4	0.45	0.01	0.01

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD : WILDCAT

WELL : DESERT LAKE NO. 5
 COUNTY, STATE: EMERY COUNTY, UTAH

GROUPING BY POROSITY RANGES

POROSITY RANGE	FEET IN RANGE	AVERAGE POROSITY	AVERAGE PERM. (GEOM.)	(ARITH)	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.0 - 2.0	42.0	0.8	0.010	0.066	70.0	70.0
2.0 - 4.0	6.0	2.7	0.007	0.007	10.0	80.0
4.0 - 6.0	6.0	4.8	0.006	0.007	10.0	90.0
6.0 - 8.0	2.0	6.9	0.028	0.030	3.3	93.3
8.0 - 10.0	2.0	9.3	0.094	0.130	3.3	96.7
12.0 - 14.0	1.0	13.3	0.820	0.820	1.7	98.3
18.0 - 20.0	1.0	18.0	23.	23.	1.7	100.0

TOTAL NUMBER OF FEET = 60.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD : WILDCAT

WELL : DESERT LAKE NO. 5
 COUNTY, STATE: EMERY COUNTY, UTAH

GROUPING BY PERMEABILITY RANGES

PERMEABILITY RANGE	FEET IN RANGE	AVERAGE PERM. (GEOM.)	AVERAGE PERM. (ARITH)	AVERAGE POROSITY	FREQUENCY (PERCENT)	CUMULATIVE FREQUENCY (%)
0.005 - 0.010	35.0	0.005	0.005	1.3	58.3	58.3
0.010 - 0.020	10.0	0.010	0.010	2.5	16.7	75.0
0.020 - 0.039	5.0	0.020	0.020	2.1	8.3	83.3
0.039 - 0.078	5.0	0.051	0.052	3.8	8.3	91.7
0.156 - 0.312	1.0	0.220	0.220	9.2	1.7	93.3
0.625 - 1.250	2.0	0.815	0.815	6.9	3.3	96.7
1.250 - 2.500	1.0	1.5	1.5	0.7	1.7	98.3
20.- 40.	1.0	23.	23.	18.0	1.7	100.0

TOTAL NUMBER OF FEET = 60.0

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

COMPANY: AMOCO PRODUCTION COMPANY
 FIELD : WILDCAT

WELL : DIFSRT LAKE NO. 5
 COUNTY, STATE: EMERY COUNTY, UTAH

POROSITY-FEET OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

POROSITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	ARITH MEAN	MEDIAN
0.0	0.0	0.0	60.0	100.0	2.4	
2.0	42.0	22.9	18.0	77.1	6.1	5.0
4.0	48.0	34.3	12.0	65.7	7.7	6.0
6.0	54.0	54.9	6.0	45.1	10.6	9.0
8.0	56.0	64.7	4.0	35.3	12.5	10.0
10.0	58.0	77.8	2.0	22.2	15.6	14.0
12.0	58.0	77.8	2.0	22.2	15.6	14.0
14.0	59.0	87.3	1.0	12.7	18.0	19.0
16.0	59.0	87.3	1.0	12.7	18.0	
18.0	59.0	87.3	1.0	12.7	18.0	
20.0	60.0	100.0	0.0	0.0		

TOTAL STORAGE CAPACITY IN POROSITY-FEET = 141.2

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STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

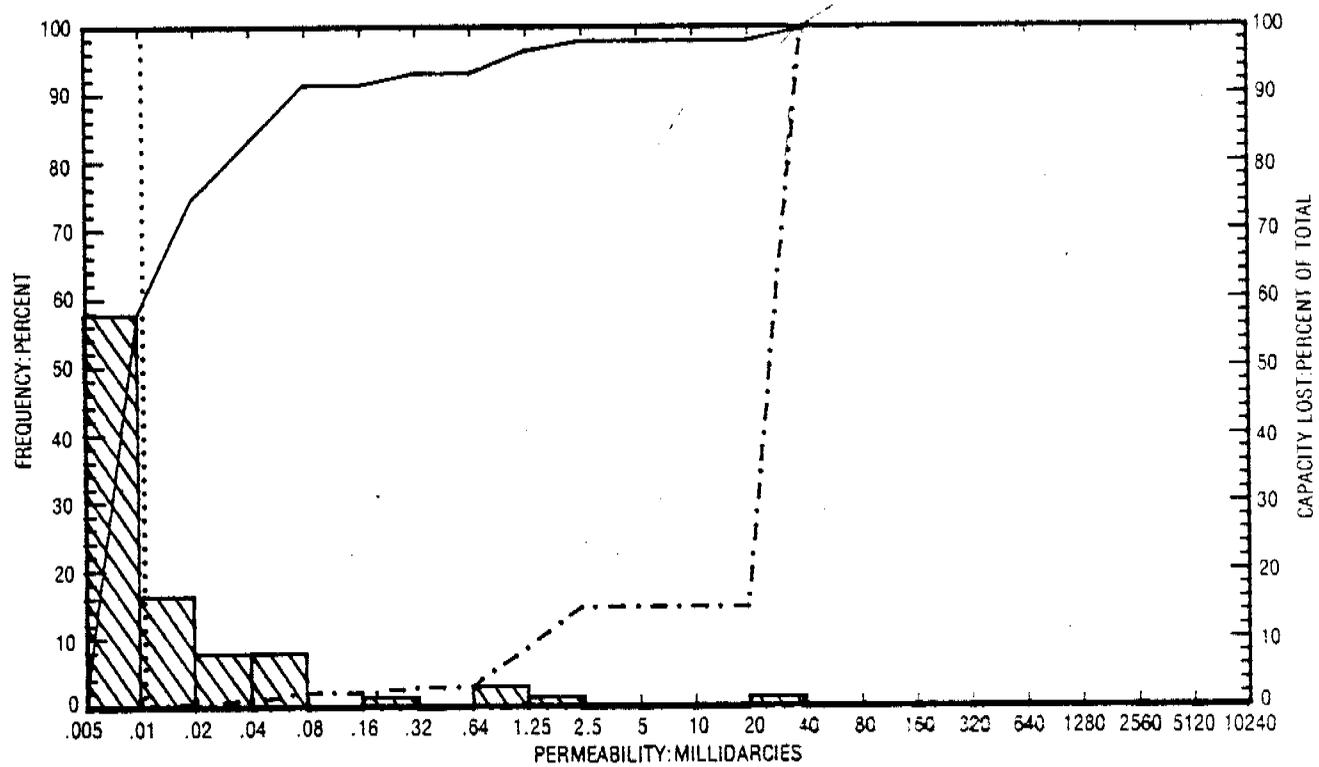
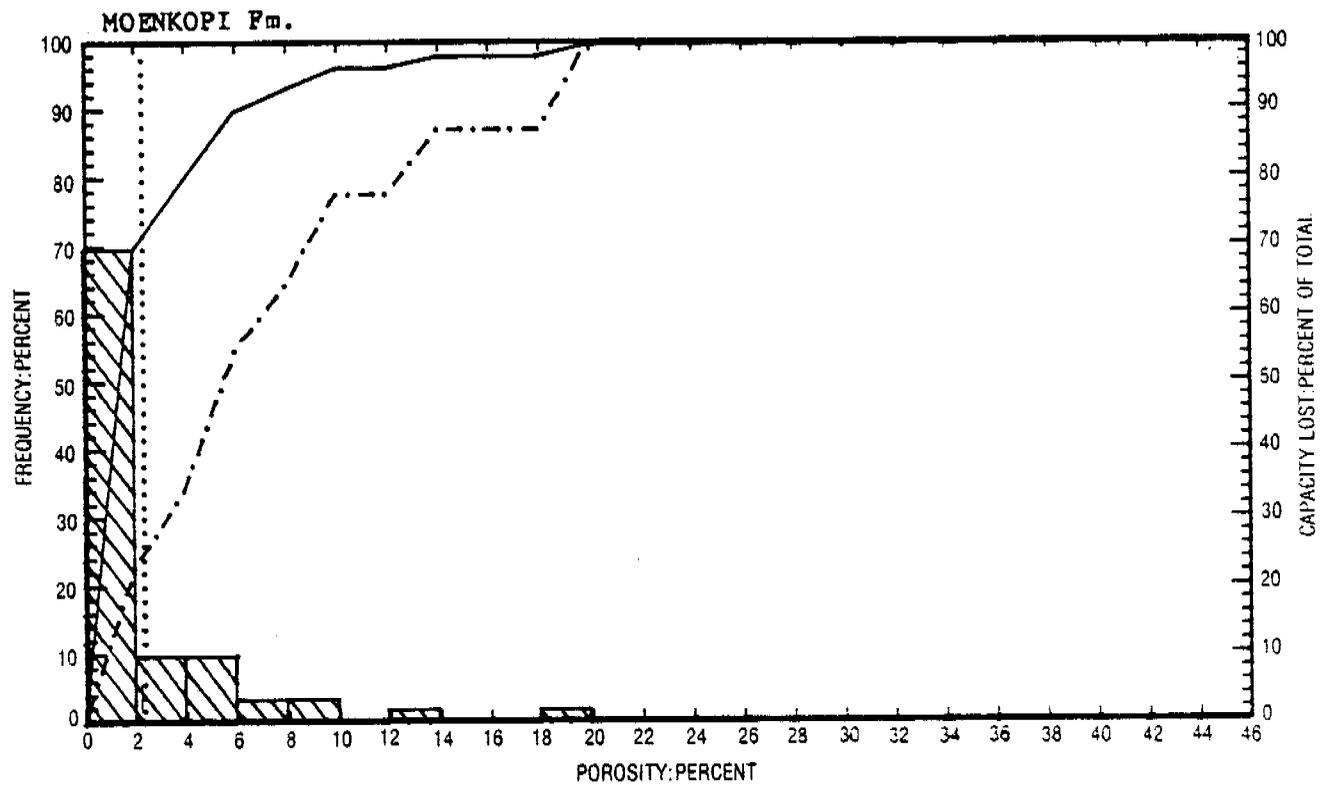
COMPANY: AMOCO PRODUCTION COMPANY
 FIELD : WILDCAT

WELL : DESERT LAKE NO. 5
 COUNTY, STATE: EMERY COUNTY, UTAH

MILLIDARCY-FEET OF FLOW CAPACITY LOST FOR SELECTED PERMEABILITY CUT OFF

PERMEABILITY CUT OFF	FEET LOST	CAPACITY LOST (%)	FEET REMAINING	CAPACITY REMAINING (%)	GEOM MEAN	MEDIAN
0.005	0.0	0.0	60.0	100.0	0.01	
0.010	35.0	0.6	25.0	99.4	0.04	0.03
0.020	45.0	1.0	15.0	99.0	0.11	0.06
0.039	50.0	1.4	10.0	98.6	0.27	0.08
0.078	55.0	2.3	5.0	97.7	1.39	1.05
0.156	55.0	2.3	5.0	97.7	1.39	1.05
0.312	56.0	3.2	4.0	96.8	2.20	1.25
0.625	56.0	3.2	4.0	96.8	2.20	1.25
1.250	58.0	9.2	2.0	90.8	5.93	2.50
2.500	59.0	14.9	1.0	85.1	23.00	28.28
5.	59.0	14.9	1.0	85.1	23.00	28.28
10.	59.0	14.9	1.0	85.1	23.00	
20.	59.0	14.9	1.0	85.1	23.00	
40.	60.0	100.0	0.0	0.0		

TOTAL FLOW CAPACITY IN MILLIDARCY-FFET (ARITHMETIC) = 26.98



PERMEABILITY AND POROSITY HISTOGRAMS

AMOCO PRODUCTION COMPANY
 DESERT LAKE NO. 5
 WILDCAT
 EMERY COUNTY, UTAH

LEGEND

ARITHMETIC MEAN POROSITY
GEOMETRIC MEAN PERMEABILITY
MEDIAN VALUE	-----
CUMULATIVE FREQUENCY	—————
CUMULATIVE CAPACITY LOST	- - - - -

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CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY AMOCO PRODUCTION COMPANY FILE NO. 3807-0052
 WELL DESERT LAKE NO. 5 DATE 9-14-83 ENGRS. R. MOHL
 FIELD WILDCAT FORMATION MOENKOPI ELEV. 5788 KB
 COUNTY EMERY STATE UTAH DRLG. FLD. WBM CORES _____

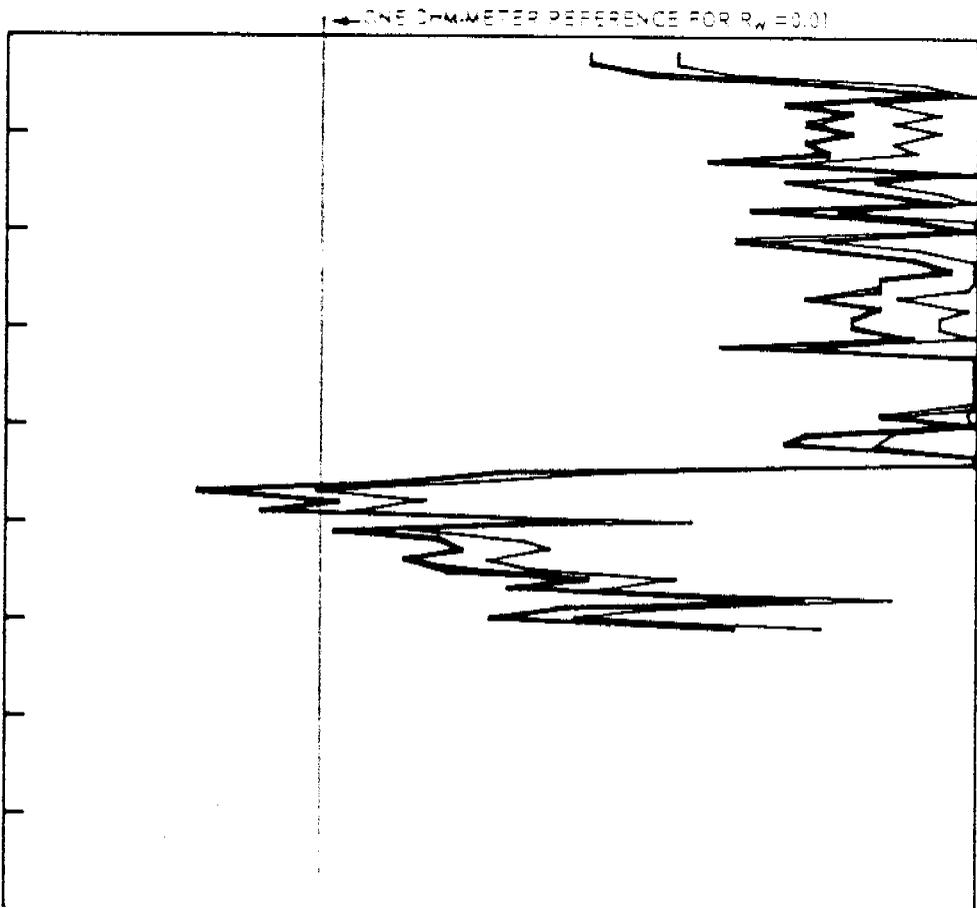
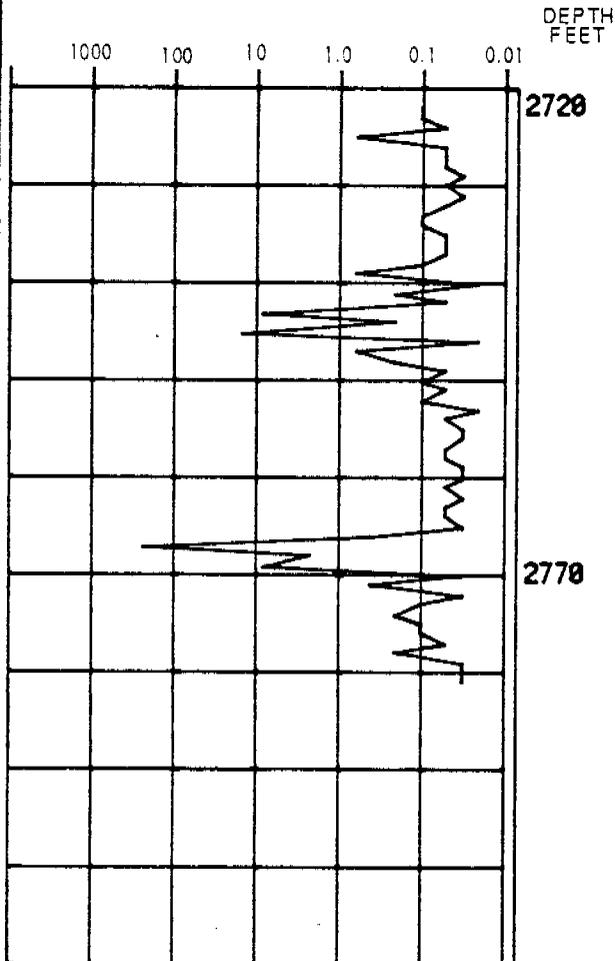
CoRes Log
CORE and RESISTIVITY EVALUATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and in whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. as to errors and omissions in respect to the data furnished. Core Laboratories, Inc. and its officers and employees assume no responsibility and make no warranty or representation as to the productivity, production or profitability of any oil, gas or other mineral well or field in connection with which such report is used or made.

RESISTIVITY PARAMETERS: a = 1.00 m = 2.00 n = 2.00 Depths 2722 to 2782
 a = _____ m = _____ n = _____ Depths _____ to _____

PERMEABILITY
 MILLIDARCIES X .1

CORE ANALYSIS CALCULATED RESISTIVITY
 R₁₀₀ = OHM-METERS AT 100% S_w _____
 R_{cr} = OHM-METERS AT CRITICAL S_w _____



CORE LABORATORIES, INC.*Petroleum Reservoir Engineering*COMPANY AMOCO PRODUCTION COMPANYFILE NO. 3807-0052WELL DESERT LAKE NO. 5DATE 9-14-83FIELD WILDCATFORMATION MOENKOPIELEV. 5788 KBCOUNTY EMERYSTATE UTAHDRLG. FLD. WBM

CORES _____

LOCATION NE NW SEC. 34 T17S R11E

CORRELATION COREGRAPH

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc., (all errors or omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

Total Water _____

PERCENT PORE SPACE

100 80 60 40 20 0

Gamma Ray

RADIATION INCREASE →

Permeability $\times .01$

MILLIDARCIES

Porosity _____

PERCENT

Oil Saturation

PERCENT PORE SPACE

100 10 1.0 .1

Depth Feet 30

20

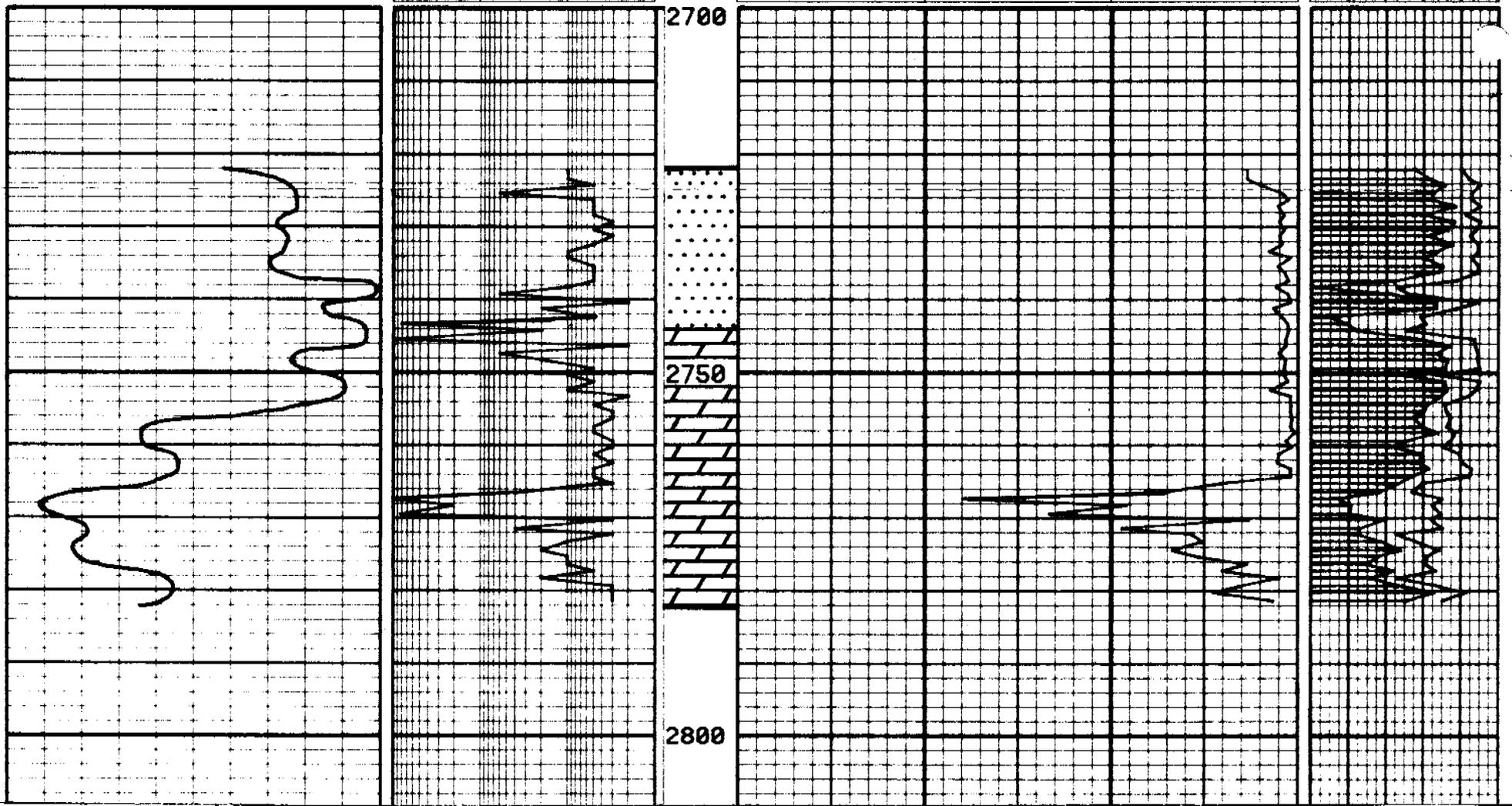
10

0 0 20 40 60 80 100

2700

2750

2800



**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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 Form 9-331-C for such proposals.)

1. oil well gas well other Wildcat

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N.M. 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760' FNL x 2080' FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

5. LEASE
U-21780

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Desert Lake Unit

8. FARM OR LEASE NAME

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE/NW Section 34, T17S, R11E

12. COUNTY OR PARISH Emery 13. STATE Utah

14. API NO.
43-015-30174

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5775' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input checked="" type="checkbox"/>
(other) <u>spud and set casing</u>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Rigged up rotary rig and spudded a 12.25" hole on 8-31-83. Drilled to 290' and landed 9.625", 36# J55, and 32.3# H40 casing at 289'. Cemented with 390 cu ft Class H cement containing 2% CaCl₂. Circulated to surface. Pressure tested to 200 PSI. Reduced holes size to 8.75" and reached a TD of 3323' on 9-15-83. Set 7", 20#, J55 casing at 3323'. Cemented the first stage with 262 cu ft Class H 50:50 POZ cement and tailed in with 230 cu ft Class H neat cement. Opened DV tool at 1922'. Cemented second stage with 570 cu ft Class H 50:50 POZ cement and tailed in with 118 cu ft Class H neat cement. Circulated to surface. Released rig 9-17-83.

CONFIDENTIAL

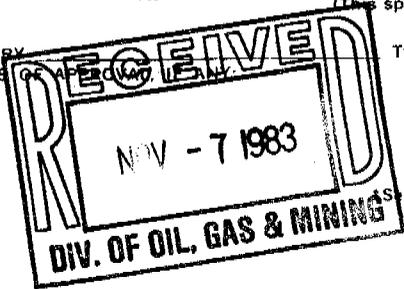
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Original Signed By _____ TITLE Dist. Admin. Super DATE 10-12-83
D.D. Lawson

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF ACCEPTANCE _____



See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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 Form 9-331-C for such proposals.)

1. oil well gas well other Wildcat

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N.M. 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760' FNL x 2080' FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

5. LEASE
U-21780

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Desert Lake Unit

8. FARM OR LEASE NAME

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE/NW Section 34, T17S, R11E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30174

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5775' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other)	abandon zone and test up hole ✓	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

CONFIDENTIAL

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

Amoco Production Company plans to abandon the zone 2770' to 2790' of the above well and test up hole, according to the following procedure:

- 1) Set cement retainer at 2760'.
- 2) Squeeze 25 sx Class B neat cement below retainer.
- 3) Perforate underbalanced from 2717'-2734' with 4 jspf.
- 4) Swab or flow to determine productivity.
- 5) Breakdown with 2000 gals. of 5% HCl containing 100 gals. citric acid, 10# ascertic acid, and 5 gals. clay stay.
- 6) Flow or swab test to determine productivity.

Verbal approval to perform the above work was obtained from Tom Hare of the BLM - Moab, by R. P. Murphy of Amoco Production Company on 10-13-83.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Original Signed By TITLE Dist. Adm. Super. DATE 10-14-83
D.D. Lawson

(This space for Federal or State office use)

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

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

DATE: 10/31/83
BY: [Signature]

*See Instructions on Reverse

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Wildcat

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N.M. 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760' ENL x 2080' FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

5. LEASE
CU-21780

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Desert Lake Unit

8. FARM OR LEASE NAME

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE/NW Section 34, T17S, R11E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30174

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5775' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) abandon zone and test up hole		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

CONFIDENTIAL

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

Amoco Production Company plans to abandon the zone 2665'-2760' of the above well and test up hole, according to the following procedure:

- 1) Set cement retainer at 2665'.
- 2) Squeeze 50 sx (59 cu ft) Class B neat cement below retainer.
- 3) Perforate underbalanced from 986'-1008' with 4 jspf.
- 4) Swab or flow to determine productivity.
- 5) Breakdown with 2000 gals. of 15% HCl with surfactant.
- 6) Swab or flow test to determine productivity.

Verbal approval to perform the above work was obtained from Jimmy Raffoul of the BLM - Salt Lake City, by D.W. Schott of Amoco Production Company on 10-17-83.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Original Signed By _____ TITLE Dist. Adm. Super. DATE 10-17-83
D.D. Lawson

(This space for Federal or State office use)

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

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

*See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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 Form 9-331-C for such proposals.)

1. oil well gas well other Wildcat

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N.M. 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760' FNE x 2080' FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

5. LEASE
U-21780

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Desert Lake Unit

8. FARM OR LEASE NAME

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE/NW Section 34, T17S, R11E

12. COUNTY OR PARISH Emery 13. STATE Utah

14. API NO.
43-015-30174

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5775' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(other)		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

Amoco Production Company plans to abandon the above well, by spotting 40 sx (47 cu ft) Class B neat cement across the perms between 986'-1008'. This should result in 100' of cement both above and below the perms. Spot 10 sx (12 cu ft) Class B neat cement from 30' to 82'. A blind flange will be installed on the casing head, and PxA marker welded on, pending evaluation of reentry. Work should commence on 10-20-83. Verbal approval to perform the above work was obtained from Bill Martin of the BLM - Salt Lake City, by R. P. Murphy of Amoco Production Company on 10-19-83.

CONFIDENTIAL

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED D.D. Lawson Original Signed By
TITLE Dist. Adm.
(This space for Federal or State office use)

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

DATE: _____ DATE _____
BY: _____

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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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 Form 9-331-C for such proposals.)

1. oil well gas well other Wildcat

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N.M. 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 760' FNL x 2080' FWL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>

(other) abandon lower zone & complete up hole ✓

5. LEASE
U-21780 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Desert Lake Unit

8. FARM OR LEASE NAME

9. WELL NO.
5

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE/NW Section 34, T17S, R11E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30174

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5775' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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 Co. plans to abandon the lower zone of the referenced well and complete up hole according to the following procedure:

- 1) Set cement retainer at 2900'.
- 2) Squeeze 50 sx Class B neat cement below retainer.
- 3) Perforate from 2770' to 2790' with 4 jspf.
- 4) Swab or flow to determine productivity.
- 5) Acidize with 2000 gals. 15% HCl acid with sequestering agent and surfactant.
- 6) Flow or swab test interval to determine productivity.

Verbal approval to perform the above work was obtained from Jimmy Raffoul of the BLM - Salt Lake City and Ron Firsh of the Utah Oil and Gas Conservation Division - Salt Lake City by R. P. Murphy of Amoco Production Co. on 10-12-83.

CONFIDENTIAL

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Original Signed By _____ TITLE Dist. Admin. Super DATE _____
D.D. Lawson (This space for Federal or State office use)

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

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

DATE: 11/8/83
BY: [Signature]



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

May 30, 1984

Amoco Production Company
501 Airport Drive
Farmington, New Mexico 87401

RE: Well No. Desert Lake Unit #5
API #43-015-30174
760' FNL, 2080' FWL
Sec. 34, T. 17S, R. 11E.
Emery County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 and forward it to this office as soon as possible.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

A handwritten signature in cursive script that reads "Claudia Jones".

Claudia Jones
Well Records Specialist

CLJ/cj

Enclosure

cc: Dianne R. Nielson, DOGM
Ronald J. Firth, DOGM
FILE



Amoco Production Company

Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401
505-325-8841

S. D. Blossom
District Manager

RECEIVED

June 4, 1984

JUN 7 1984

State of Utah (2)
Natural Resources
4241 State Office Building
Salt Lake City, UT 84144

**DIVISION OF OIL
GAS & MINING**

File: DDL-537-980.3

Desert Lake Unit #5 - Completion Report Form OGC-3

Please reference your letter of May 30, 1984 concerning the above subject. Attached for your files is the requested completion report. Thank you for bringing this matter to our attention.

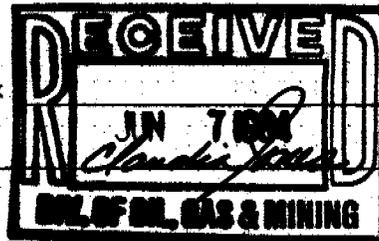
S. D. Blossom

BDS/sb

Attachment

Received Date:

Signature:



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

5. LEASE DESIGNATION AND SERIAL NO.
U-21780

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Desert Lake Unit

8. FARM OR LEASE NAME

9. WELL NO.
5

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NE/NW Sec. 34-T17S-R11E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

RECEIVED

JUN 7 1984

DIVISION OF OIL
GAS & MINING

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

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REVR. Other _____

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 760' FNL X 2080' FWL
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. DATE ISSUED

43-015-30174

12. COUNTY OR PARISH
Emery

13. STATE
Utah

15. DATE SPUDDED 8-31-83

16. DATE T.D. REACHED 9-15-83

17. DATE COMPL. (Ready to prod.) P&A

18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5787' KG

19. ELEV. CASINGHEAD 5775' GR

20. TOTAL DEPTH, MD & TVD 3333'

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

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY → 0-TD

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

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL-SP-GR, FDC-CNL-GR-Caliper, BHC-Sonic, Dipmeter

27. WAS WELL CORED
Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9.625"	36# J55	289'	12.25"	390 cuft Class H w/2% CaO	12 None
	32.3# H40				
7"	20# J55	3323'	8.75"	(1st) 262 cuft Class H 50:50 POZ	None
No casing was pulled from either string, tailed 230				cuft Class H Neat (2nd) 570	cuft Class H

29. LINER RECORD

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

30. TUBING RECORD Continued Back

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	See attached copy of plugging procedure

33. PRODUCTION

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

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

FLOW. TUBING PRMS.	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 BDS Show TITLE Administrative Supervisor DATE June 4, 1984

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

INSTRUCTIONS

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

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

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

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

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

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURE, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Entrada	340'	775'	
Carmel	775'	1150'	
Navajo	1150'	1541'	
Wingate	1614'	1967'	
Chinle	1967'	2240'	
Moenkopi	2302'	3150'	
Kaibab	3150'	3203'	
White Rim	3203'	3333'	

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH

Desert Lake Unit No. 5
Plugging and Abandonment Procedure

White Rim Formation 3254'-3268'

1. Set cement retainer at 3238'.
2. Squeezed 23 SX Class B Neat Cement below retainer.
3. Spotted 2 SX Class B Neat Cement on top of retainer.

Kaibab Formation 3150'-3198'

1. Set cement retainer at 3134'.
2. Squeezed 30 SX Class B Neat Cement below retainer.

CONFIDENTIAL

Lower Moenkopi Formation 3960'-3022'

1. Set cement retainer at 2883'.
2. Squeezed 50 SX Class B Neat Cement below retainer.

Sinbad Formation 2770'-2790'

1. Set cement retainer at 2755'.
2. Squeezed 25 SX Class B Neat Cement below retainer.

Upper Moenkopi Formation 2717'-2734'

1. Set cement retainer at 2656'.
2. Squeezed 50 SX Class B Neat Cement below retainer.

Chinle Formation 986'-1008'

1. Cemented zone 895'-1095' with 40 SX Class B Neat Cement.

Spotted 10 SX Class B Neat Cement from 22' to 64'.

Erected PXA marker.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

January 17, 1986

Amoco Production Company
501 Airport Company
Farmington, NM 87401

Gentlemen:

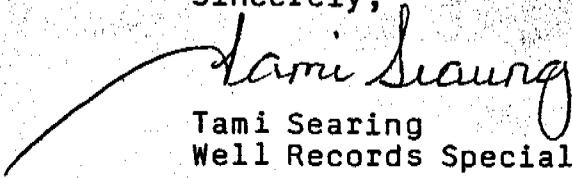
Re: Well No. Desert Lake Unit #5 - Sec. 34, T. 17S, R. 11E,
Emery County, Utah - API # 43-015-30174

According to our records a "Well Completion Report" filed with this office on the above referenced well indicates the following: A Core Analysis and Directional Survey were ran on this well. This office has not yet received either of these.

Please take care of this matter as soon as possible, but not later than January 31, 1986.

Your cooperation in this matter is appreciated.

Sincerely,


Tami Searing
Well Records Specialist

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

0320/52

IN APP'D

4301530174
 Amoco #5, NENE 34-175-11E 5-10-91
 4303731453
 Jude 2-17, SESW 17-315-23E 5-13-91
 4303731465
 COG C 1-35-36-21, NWSW 35-365-24E 5-13-91
 4303731340
 Recapture 29-34, SWSE 29-365-23E 5-13-91
 4303730499
 Bug 1, NESE 12-365-25E 5-13-91
 4303731184
 Cedar Point F-13-26, NWSW 12-365-25E 5-13-91
 4303730735
 Bug 25, NENE 18-365-26E 5-10-91
 4303731322
 Juna 1, NESE 13-375-23E 5-13-91
 4303731388
 Marathon 1-5, NUNE 5-375-24E 5-13-91

JLT List from BLM showing final abandonment notice dates.

DTS
5-28-91