FILE NOTATIONS

Entered in NID File .....
Location Map Pinned .....
Card Indexed .....

Checked by Chief .....
Approval Letter .....
Disapproval Letter .....

COMPLETION DATA:

Date Well Completed .....

W..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected .....

Bond released
State or Fee Land .....

LOGS FILED

Driller's Log.....
Electric Logs (No.) .....
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... Mi-L..... Sonic.....
CBLog..... CCLog..... Others.....

Form 9-331 C
(May 1963)

SUBMIT IN [redacted]ICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [ ] GAS WELL [ ] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
730' FSL &820' FEL, Section 21,T-38-S, R-22-E
At proposed prod. zone
Same

5. LEASE DESIGNATION AND SERIAL NO.
MOO-C-1420-2190

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Mtn. Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Ute Mtn. Ute Tribal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE/4,SE/4, Section 21
T-38-S, R-22-E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 miles south of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
730'

16. NO. OF ACRES IN LEASE
160

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
NONE

19. PROPOSED DEPTH
6250'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5013' GR

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

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	300'	300 sx
8-3/4"	5-1/2"	17#	6250'	1400 sx

This wildcat will be drilled to a depth of 6250' to test Lower Ismay and Desert Creek Formations. Completion plan will be made after logs are run.

Additional information required by NTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached.

RECEIVED
JUN 18 1979
DIVISION OF OIL, GAS, & MINING

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 B. E. Tackett TITLE District Engineer DATE June 11, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
JUN 12 1979
GEOLOGICAL SURVEY
DENVER, COLO.

*See Instructions On Reverse Side

COMPANY AMOCO PRODUCTION COMPANY

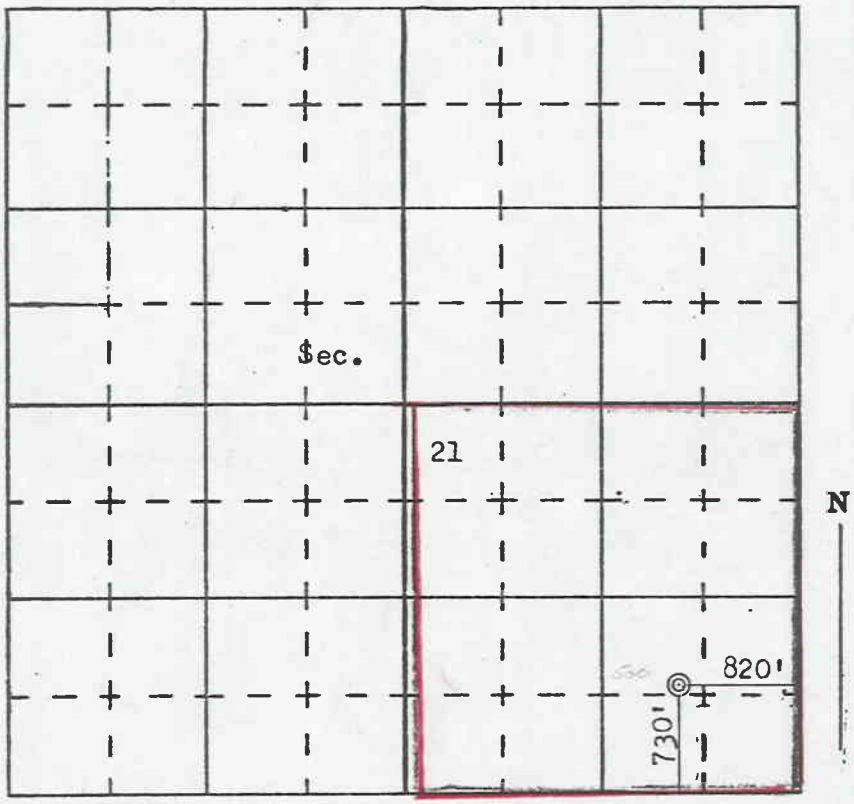
LEASE UTE MTN. UTE TRIBAL WELL NO. 1

SEC. 21, T. 38S, R. 22E

SAN JUAN COUNTY, UTAH

LOCATION 730'FSL 820'FEL

ELEVATION 5013 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.

Fred B. Kerr Jr.

Registered Land Surveyor.

SEAL: #3950

SURVEYED May 17, 19 79

FARMINGTON, N. M.

MULTI-POINT SURFACE USE PLAN

UTE MOUNTAIN UTE TRIBAL NO. 1
730' FSL & 820' FEL, SECTION 21, T38S, R22E
SAN JUAN COUNTY, UTAH

1. The attached road map and sketch show the proposed route to the location and distances from towns.

2. A road 3.3 miles in length, 20 feet wide, will be built over an existing old road.

3. Existing oil and gas wells within a two-mile radius of our proposed well have been spotted on the vicinity map.

4. There are no tank batteries or production facilities located within a one-mile radius of our proposed location.

5. Water will be hauled 15 miles from the San Juan River.

6. No material will be hauled in for construction of location.

7. A 150' X 150' pit will be built on location to hold all drilling waste. Upon completion of well, all waste and liquid will be hauled by truck and fluids bladed into existing roads. All other waste will be covered in pit.

8. There are no airstrips nor camps in the vicinity.

9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 6-foot cut will be on south side.

10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drainage ditches will be constructed to handle run-off. Reseeding of the site will be in accordance with instructions from the Bureau of Indian Affairs.

11. The general topography and soil characteristics are rocky hills of sand and clay soil. Vegetation is very sparse with sagebrush and wild flowers.

    Representatives of the U. S. Geological Survey's Durango Office and Bureau of Indian Affairs Towaoc Office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an Archaeologist from San Juan College.

12. A Certification Statement by Amoco's representative is included.

SUPPLEMENTAL INFORMATION TO FORM 9-331C
REQUIRED BY NTL-6
UTE MOUNTAIN UTE TRIBAL NO. L
730' FSL & 820' FEL, SECTION 21, T38S, R22E
SAN JUAN COUNTY, UTAH

The geologic name of the surface formation is the Upper Jurassic, Recapture Creek.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION
Honacker Trail	5170'	-157
Upper Ismay	5920'	-907
Lower Ismay	6045'	-1032
Desert Creek	6115'	-1102
Akah	6235'	-1222
TD	6250'	-1237

Estimated KB Elevation 5026'

The casing program to be used will include all new casing:

EST. DEPTH	CSG. SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT - TYPE
300'	9-5/8"	36#	12-1/4"	300 sx Class "G" 2% $CaCl_2$.
6250'	5-1/2"	17#	8-3/4"	1300 sx Class "G" 6% gel, 2# Med. Tuf Plug/sx. 100 sx Class "G" Neat.

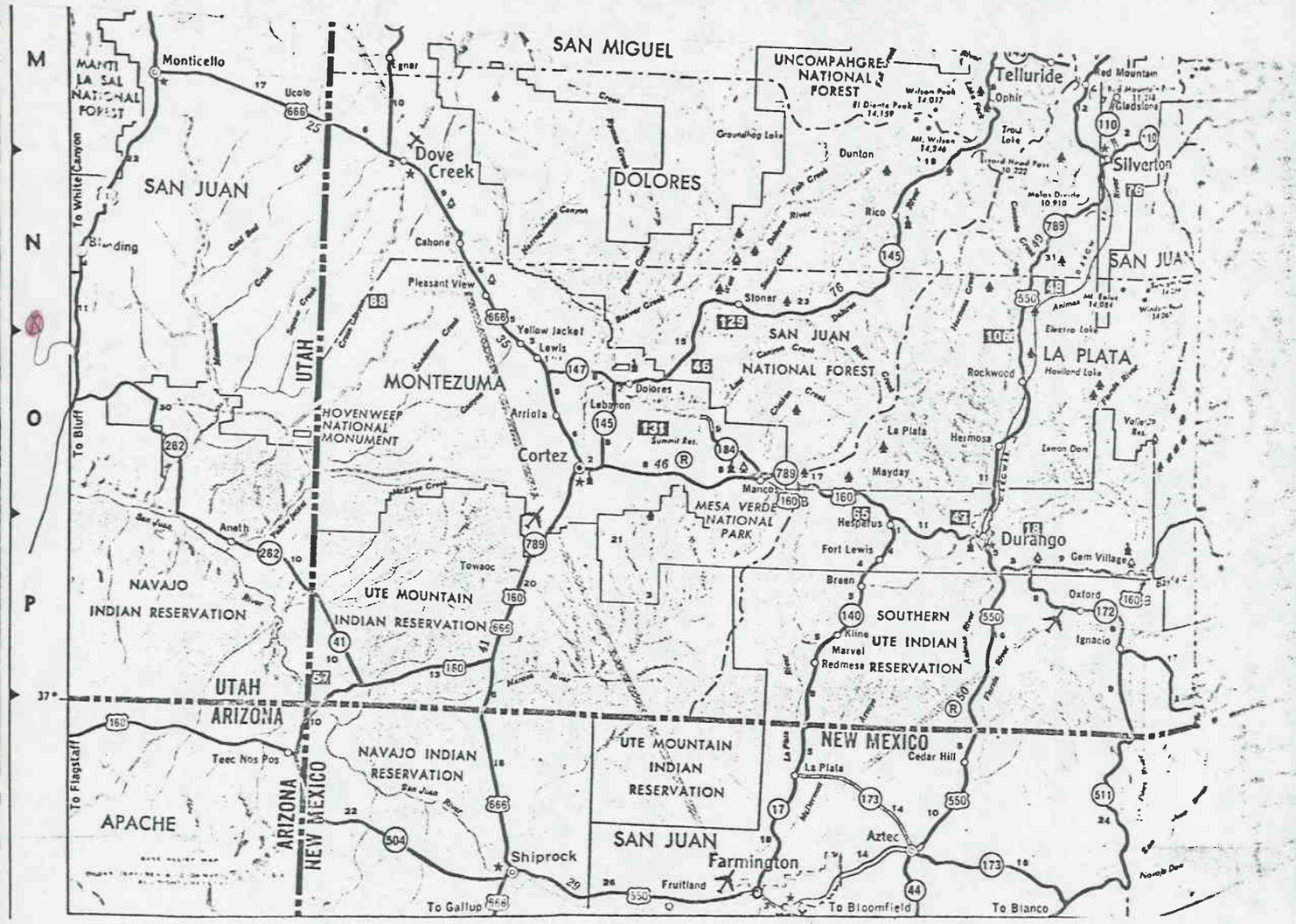
Amoco's standard blowout prevention will be employed; see attached drawing of out blowout preventer design.

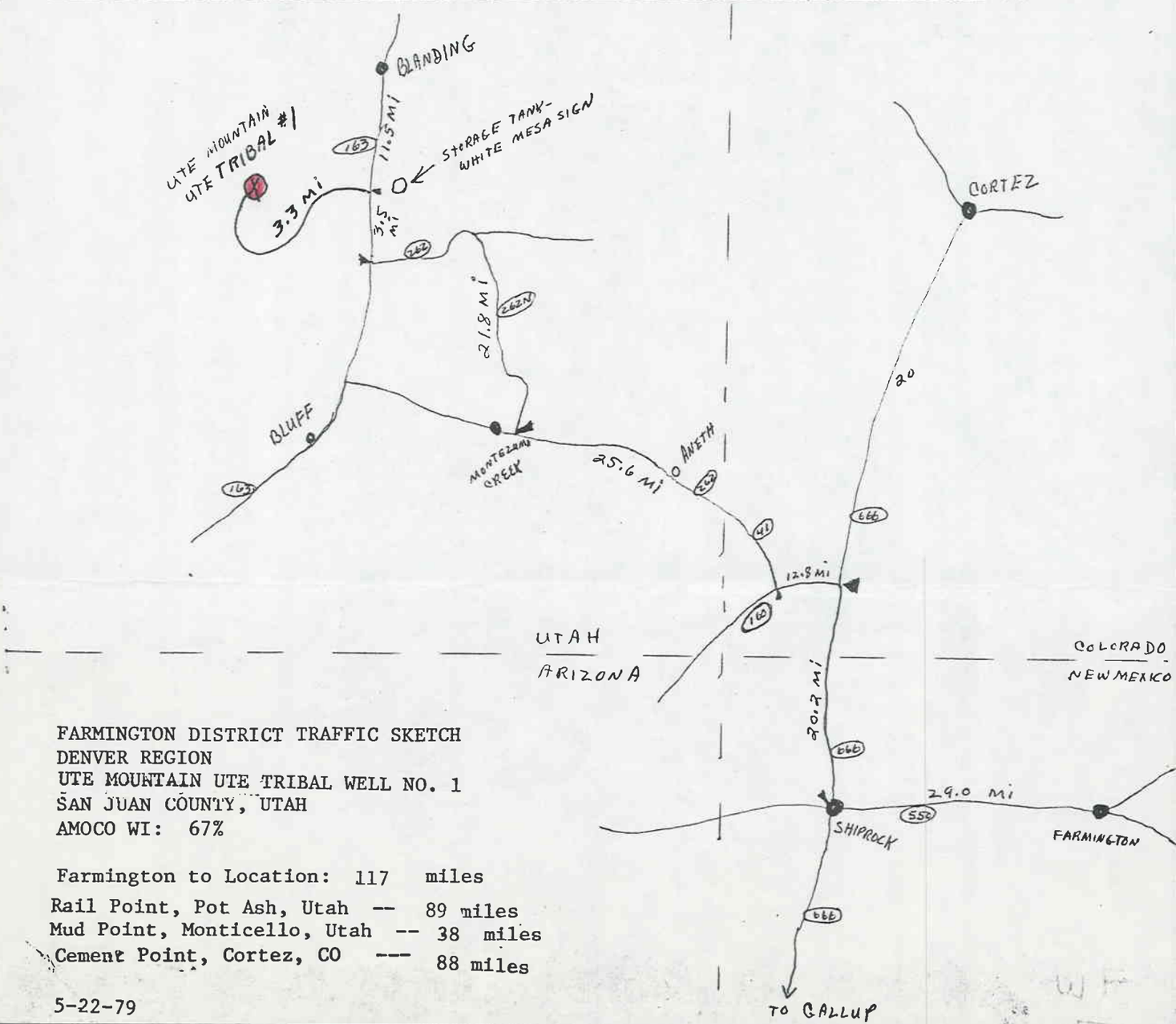
Drilling fluid to TD will be a low solids non-dispersed mud system.

Amoco will run a Dual Induction Laterolog from TD to surface; a Borehole Compensated Sonic from TD to surface, and Compensated Neutron and Formation Density from TD to 5170', and 500 feet further up hole at any interesting zone. Two cores and three drillstem tests will be taken.

In the past, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.

We will start operations as soon as well is permitted, and a three-week operation is anticipated.





FARMINGTON DISTRICT TRAFFIC SKETCH
DENVER REGION
UTE MOUNTAIN UTE TRIBAL WELL NO. 1
SAN JUAN COUNTY, UTAH
AMOCO WI: 67%

Farmington to Location: 117 miles

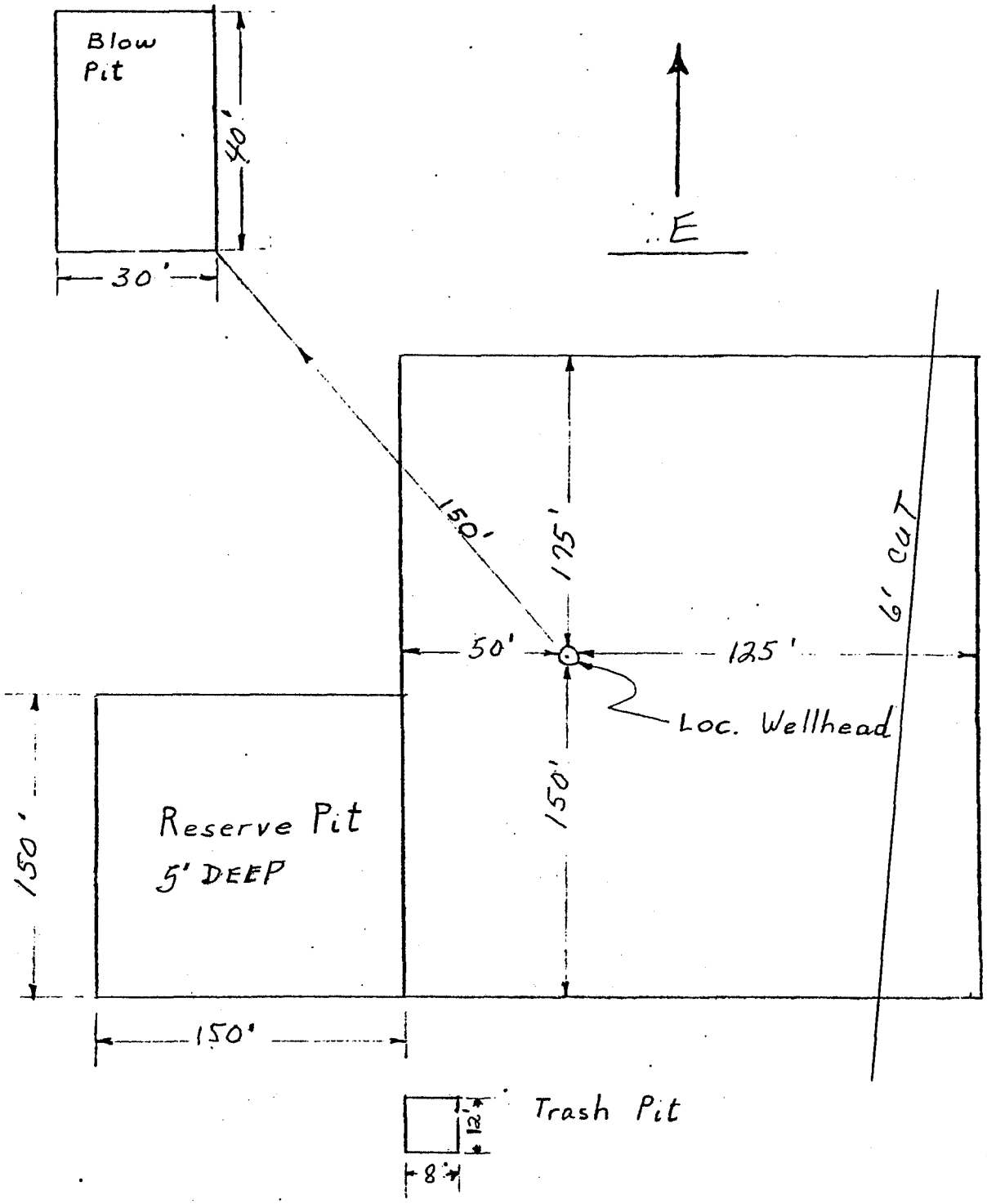
Rail Point, Pot Ash, Utah -- 89 miles
Mud Point, Monticello, Utah -- 38 miles
Cement Point, Cortez, CO --- 88 miles

5-22-79

BLUFF QUADRANGLE
UTAH-SAN JUAN CO.
15 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

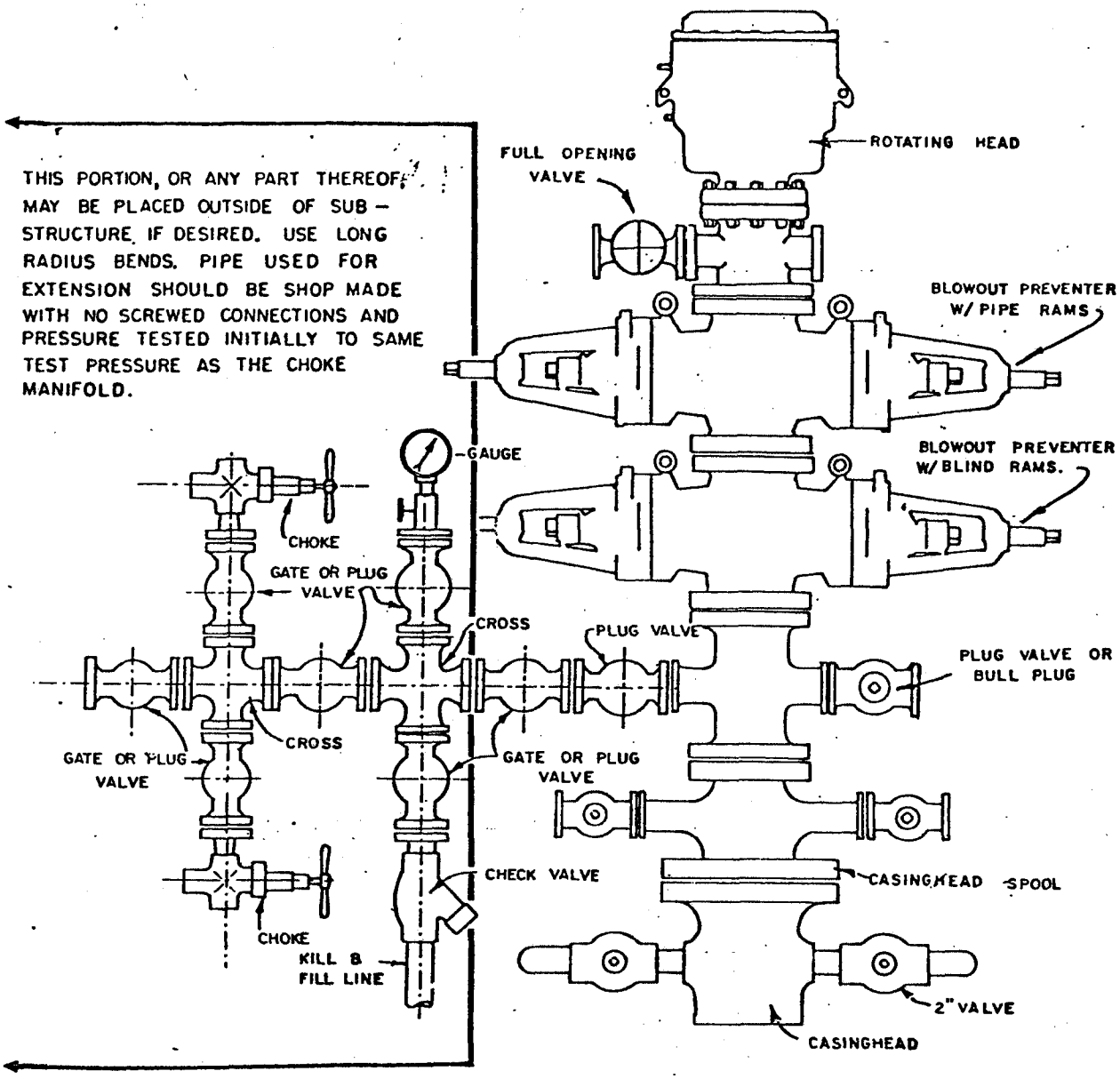
VICINITY MAP FOR
AMOCO PRODUCTION COMPANY #1 UTE MTN. UTE TRIBAL
730'FSL 820'FEL Sec 21-T38S-R22E
SAN JUAN COUNTY, UTAH



APPROXIMATELY 1.2 Acres

Amoco Production Company	SCALE: NONE
DRILLING LOCATION SPECS UTE MOUNTAIN UTE TRIBAL NO. 1	DRG. NO.

FORM 432 2-71



BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4
OCTOBER 16, 1969

MULTI-POINT SURFACE USE PLAN

UTE MOUNTAIN UTE TRIBAL NO. 1
730' FSL & 820' FEL, SECTION 21, T38S, R22E
SAN JUAN COUNTY, UTAH

1. The attached road map and sketch show the proposed route to the location and distances from towns.

2. A road 3.3 miles in length, 20 feet wide, will be built over an existing old road.

3. Existing oil and gas wells within a two-mile radius of our proposed well have been spotted on the vicinity map.

4. There are no tank batteries or production facilities located within a one-mile radius of our proposed location.

5. Water will be hauled 15 miles from the San Juan River.

6. No material will be hauled in for construction of location.

7. A 150' X 150' pit will be built on location to hold all drilling waste. Upon completion of well, all waste and liquid will be hauled by truck and fluids bladed into existing roads. All other waste will be covered in pit.

8. There are no airstrips nor camps in the vicinity.

9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 6-foot cut will be on south side.

10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drainage ditches will be constructed to handle run-off. Reseeding of the site will be in accordance with instructions from the Bureau of Indian Affairs.

11. The general topography and soil characteristics are rocky hills of sand and clay soil. Vegetation is very sparse with sagebrush and wild flowers.

    Representatives of the U. S. Geological Survey's Durango Office and Bureau of Indian Affairs Towaoc Office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an Archaeologist from San Juan College.

12. A Certification Statement by Amoco's representative is included.

UTE MOUNTAIN UTE TRIBAL NO. 1
730' FSL & 820' FEL, SECTION 21, T38S, R22E
SAN JUAN COUNTY, UTAH

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 be 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 sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

June 6, 1979
Date

R. W. Schroeder District Supt.
Name and Title

Amoco Production Company's Representative:

R. W. Schroeder
Phone: Office: 505-325-8841; Home: 505-325-6164
Address: 501 Airport Drive
Farmington, NM 87401

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: June 19, 1979

Operator: Amoco Production Company

Well No: Ute Mtn. (Ute Tribal #1)

Location: Sec. 21 T. 38S R. 22E County: San Juan

File Prepared: /✓/ Entered on N.I.D.: /✓/

Card Indexed: /✓/ Completion Sheet: /✓/

API Number: 43-037-30490

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M.J. Minder 6-29-79

Remarks:

Director: _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: /____/ Survey Plat Required: /____/

Order No. 62 9/13/61 Surface Casing Change to _____ /____/

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

O.K. Rule C-3 /____/ O.K. In _____ Unit

Other:

Ind
USGS
Phil McGrath

/✓/ Letter Written/Approved
btm

July 2, 1979

Amoco Production Company
501 Airport Drive
Farmington, NM 87401

Re: Well No. Ute Mtn. (Ute Tribal #1)
Sec. 21, T. 38S, R. 22E,
San Juan County, Utah

Dear Sir:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance withe the Order issued in cause No. 62 dated September 13, 1962.

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

MICHAEL T. MINDER - Geological Engineer
Home: 876-3001
Office: 533-5771

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

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

The API number assigned to this well is 43-037-30490.

Sincerely yours,

DIVISION OF OIL, GAS AND MINING

CLEON B. FEIGHT
DIRECTOR.

/btm
cc

9-331
1973

Form Approved.
Budget Bureau No. 42-R1424

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.)

5. LEASE: MOO-C-1420-2190
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Ute Mountain Ute Tribal
9. WELL NO.: 1
10. FIELD OR WILDCAT NAME: Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: E/2 SE/4, Section 21, T38S, R22E
12. COUNTY OR PARISH: San Juan
13. STATE: Utah
14. API NO.: 43-037-30490
15. ELEVATIONS (SHOW DF, KDB, AND WD): 5013' GL

1. oil well [X] gas well [ ] other Wildcat
2. NAME OF OPERATOR: AMOCO PRODUCTION COMPANY
3. ADDRESS OF OPERATOR: 501 Airport Drive, Farmington, NM 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 730' FSL and 820' FEL, Section 21, T38S, R22E
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	[ ]	[ ]
FRACTURE TREAT	[ ]	[ ]
SHOOT OR ACIDIZE	[ ]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[ ]	[ ]
(other) Additional Information		

RECEIVED
AUG 31 1979
DIVISION OF OIL, GAS, & MINING

(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.)*

It is planned to run velocity surveys on this well. This will require drilling eight (8) 5" diameter holes approximately 150' deep and one (1) 5" diameter hole 250' deep. These 9 holes will be located approximately 500' from the wellbore, depending on topography, on a north-south axis. No surface disturbances, such as new roads or pits will be required and the holes themselves will be returned to their native state upon completion of the surveys.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: Sept. 16, 1979
BY: Frank M. Hannah

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

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

SIGNED B. E. Jackull TITLE District Engineer DATE August 24, 1979

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

COMPANY AMOCO PRODUCTION CO. FIELD WILDCAT FILE RP-3-2928

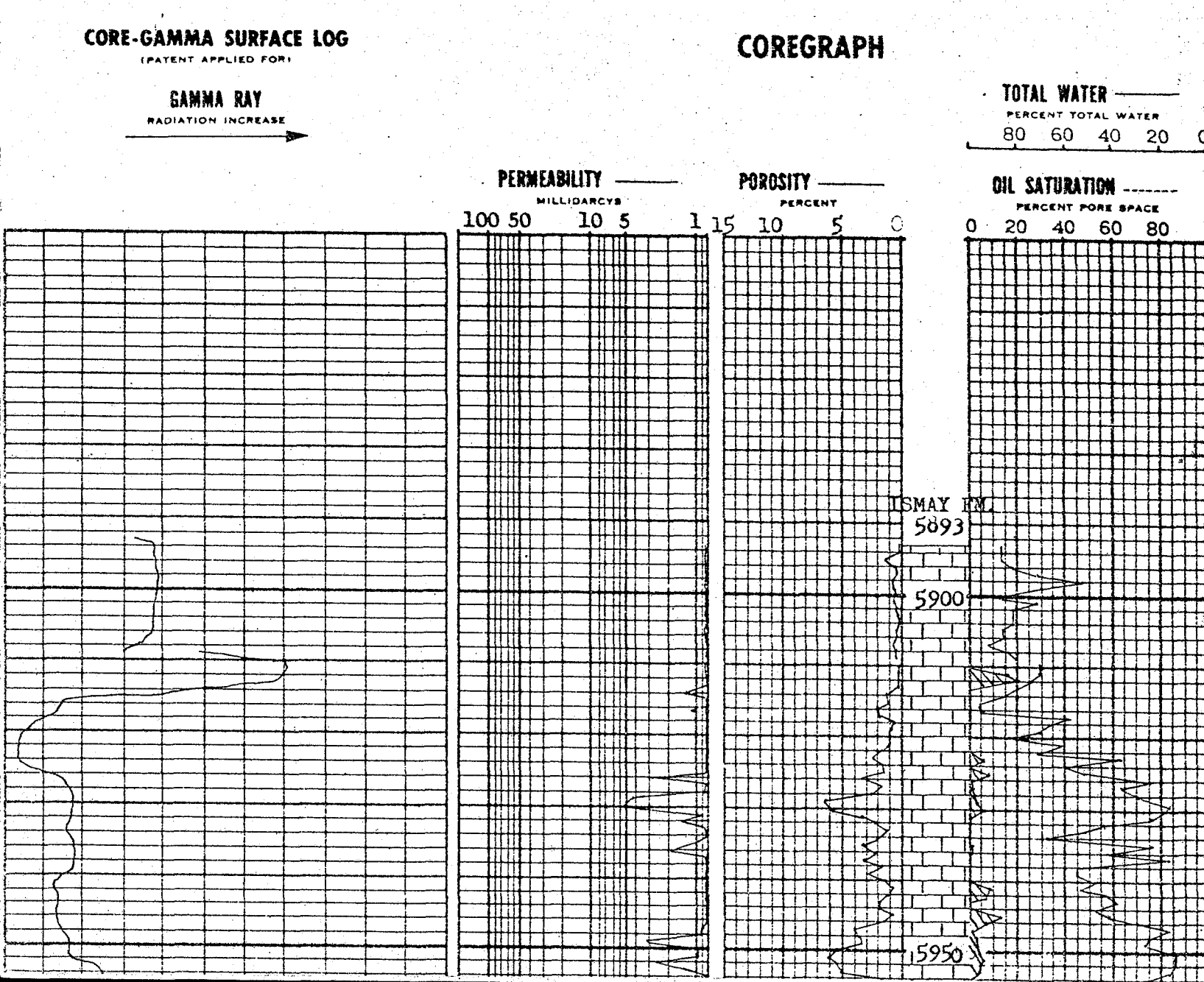
WELL UTE MTN. UTE TRIBAL NO. 1 COUNTY SAN JUAN DATE 9/5/79

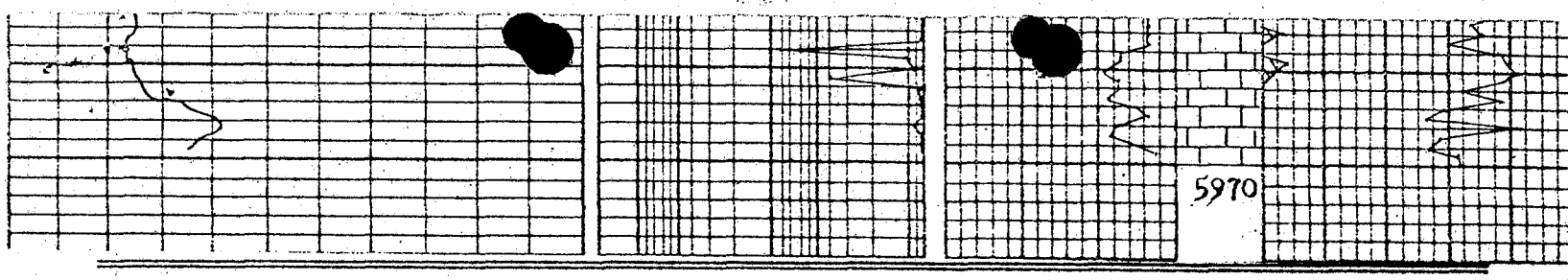
LOCATION SEC. 21, T38S, R22E STATE UTAH ELEV. 5013 GL

CORE-GAMMA CORRELATION

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 and 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 profitableness 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'





INTERPRETATION OF DATA

5893.0-5969.0 Feet - Non-productive due to low permeability and porosity.

These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is started at original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas. The effects of factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or water-oil ratios, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Detailed predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.

These analyses, opinions or interpretations are based on observations and materials 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 and omissions excepted); but Core Laboratories, Inc., and its officers and employees assume no responsibility and make no warranty or representation as to the productivity, proper operation, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 730' FSL x 820' FEL, Section 21, T38S, R22E
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
MOO-C-1420-2190

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Mtn. Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Ute Mtn. Ute Tribal

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE/4 SE/4 Section 21, T38S, R22E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-30490

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5013' GR

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☐
(other) Spud & Set Surface Casing		

(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.)*

Spudded 12-1/4" hole on 8/10/79. Drilled to 337' and set 9-5/8" surface casing at 334'.

Cemented with 275 sx Class "G" cement containing 2% $CaCl_2$. Circulated out 10 sx good cement.

Presently drilling 8-3/4" hole.

RECEIVED
SEP 6 1979
DIVISION OF OIL, GAS, & MINING

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

Original Signed By
SIGNED E. E. SVOBODA TITLE Dist. Adm. Supvr. DATE 9/5/79

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Amoco (Gary Munson) 505-325-8841

WELL NAME: Mountain Ute Tribal #1

SECTION 21 SE SE TOWNSHIP 38S RANGE 22E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG THE ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 6270'

CASING PROGRAM:

9 5/8" @ 334'

8 3/4" open home TD

FORMATION TOPS:

Salt	6180'
Ismay	5790'
Hermosa	4830'
Cutler	2900'
Chinle	1610'
Navajo	850'

PLUGS SET AS FOLLOWS:

#1	6255' - 6105'	150'	75sx
#2	5865' - 5715'	150'	75 sx
#3	4905' - 4755'	150'	75 sx
#4	2950' - 2850'	100'	50 sx
#5	1660' - 1560'	100'	50 sx
#6	900' - 800'	100'	50 sx
#7	384' - 284'	100'	50 sx
#8 -	100' - surf	100'	50 sx

DATE September 10, 1979 SIGNED M.T. Minder

cc: Phil McGrath
USGS

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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, NM 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 730' FSL x 820' FEL, Section 21, T38S, R22E
AT SURFACE:
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
MOO-C-1420-2190
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Mountain Ute Tribe
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Ute Mountain Ute Tribal
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/4 SE/4 Section 21, T38S, R22E
12. COUNTY OR PARISH San Juan
13. STATE UT
14. API NO.
43-037-30490
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5013' GR

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☐
(other) Set casing & P&A		

(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.)*

Drilled 8-3/4" hole to TD of 6270'. Ran logs and found insufficient quantities of gas or oil to complete well. No casing was therefore run.

Plugging procedure was as follows: Cemented intervals:

5867' - 75 sx cement
4906' - 75 sx cement
2951' - 50 sx cement
1679' - 50 sx cement
965' - 50 sx cement
377' - 50 sx cement
95' - 50 sx cement

Cemented with a total of 400 sx cement. Erected P&A. (continued on back)

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

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

SIGNED Original Signed By E. E. SVOBODA TITLE Dist. Adm. Supvr. DATE 9/12/79

(This space for Federal or State office use)

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

RECEIVED SEP 17 1979 DIVISION OF OIL, GAS, & MINING

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1976 O - 214-149

Plugging procedure approved per telephone conversation on 9/8/79 between Amoco's G. O. Munson, U. S. Geological Survey's Carl Barrick and Utah Division of Oil, Gas and Mining in Salt Lake City, Utah.

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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, NM 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 730' FSL x 820' FEL Section 21, T38S, R22E
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
MOO-C-1420-2190
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Mountain Ute Tribe
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Ute Mountain Ute Tribal
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE/4 SE/4 Section 21, T38S, R22E
12. COUNTY OR PARISH
San Juan
13. STATE
Utah
14. API NO.
43-037-30490
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5013' GR

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☒
(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 plugged and abandoned the subject well on September 9, 1979, due to non-commercial quantites of Hydrocarbons as follows:

Plug Set At	Cement With
5867'	75 sx
4906'	75 sx
2951'	50 sx
1679'	50 sx
965'	50 sx
377'	50 sx
95'	50 sx

(over)

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

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

SIGNED [signature] TITLE Adm. Supr. DATE 10-23-79

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Form 9-331
Rev. 1973

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, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 730' FSL x 820' FEL Section 21,
AT TOP PROD. INTERVAL: Same T33S, R22E
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	☐	☐
FRACTURE TREAT	☐	☐
SHOOT OR ACIDIZE	☐	☐
REPAIR WELL	☐	☐
PULL OR ALTER CASING	☐	☐
MULTIPLE COMPLETE	☐	☐
CHANGE ZONES	☐	☐
ABANDON*	☐	☒
(other)		

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

Amoco Production Company plugged and abandoned the subject [illegible] on Sept. 9, 1979, due to non-commercial quantities of Hydrocarbons as follows:

Plug Set At	Cement Wit
5867'	sx
4906'	sx
2951'	sx
1679'	sx
965'	sx
377'	sx
95'	sx

(over)

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED _____ TITLE Dist. Adm. Supt. DATE _____

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Cemented with a total of 400 sx cement. Erected PXA Marker and cleaned up location. The 9-5/8" Casing set from 0-334', Was left in the hole.

GPO : 1976 O - 214-148

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

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

2. NAME OF OPERATOR: Amoco Production Company

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

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 730' FSL x 820' FEL Section 21, T38S, R22E
At top prod. interval reported below: Same
At total depth: Same

5. LEASE DESIGNATION AND SERIAL NO.: MOO-C-1420-2190

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Mountain Ute Tribe

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Ute Mountain Ute Tribal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE/4 SE/4 Section 21, T38S, R22E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO. | DATE ISSUED

15. DATE SPUDDED: 8-10-79

16. DATE T.D. REACHED: 9-6-79

17. DATE COMPL. (*Ready to prod.*): 9-9-79

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 5013' GL

19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD: 6270'

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

22. IF MULTIPLE COMPL., HOW MANY*:

23. INTERVALS DRILLED BY: → ROTARY TOOLS: 0-TD CABLE TOOLS:

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

25. WAS DIRECTIONAL SURVEY MADE:

26. TYPE ELECTRIC AND OTHER LOGS RUN: Borehold compensated sonic log, dual induction, compensated neutron formation density

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
9-5/8"	32.30	334'	12-1/4"	275 sx	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

RECEIVED OCT 26 1979 DIVISION OF OIL GAS, & MINING

33.* PRODUCTION

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

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

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

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED [signature] TITLE Administrative Supervisor DATE 10-24-79

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: "*Sacks Cement*": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Navajo	0800'	0920'	
Chinle	1530'	1610'	
Cutler	2800'	2900'	
Hermosa	4830'		
Honaker Trail	5100'		
Upper Ismay	5790'	6026'	
Akah	6150'		
Salt	6170'		

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
837-497

P+A

Federal Building
701 Camino del Rio
Durango, Colorado 81301

December 11, 1979

Amoco Production Company
501 Airport Drive
Farmington, New Mexico 87401

Gentlemen:

By telephone December 12, 1979, Mr. Bub Frackell advised this office that you would not drill Well No. 1 Ute Mountain Ute Allotted, located in the SE¼SW¼ sec. 21, T. 38 S., R. 22 E., SLM, San Juan County, Utah, on Ute Mountain Allotted lease MOO-C-1420-2195. Application for Permit to Drill was approved January 10, 1979. Approval of the Application is rescinded this date and returned herewith.

Any construction of access road and well pad will have to be restored to the satisfaction of the Bureau of Indian Affairs.

If at some later date you decide to drill a well at this location, it will be necessary to file a new application.

Sincerely yours,

James F. Sims

James F. Sims
Acting District Engineer

Enclosure

cc: BIA Towoac
Utah Division of Oil, Gas, and Mining

RECEIVED
DEC 14 1979
DIVISION OF
OIL, GAS & MINING

June 18, 1981

Amoco Production Company
501 Airport Drive
Farmington, New Mexico 87401

Re: Well No. 1 Ute Mountain (Ute Tribal)
Sec. 21, T. 38S, R. 22E
San Juan County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 10-24-79, from above referred to well indicates the core tests were run. As of todays date this office has not received these tests.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Sandy Bates
Clerk-Typist

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
SALT LAKE CITY, UTAH 84116

ATTN: Sandy Bates

Re: Ute MTN UTE TRIBAL #1
As per your request of JUNE 18, 1981, the core test analysis is attached.

T. Spero
Amoco Production Co.

RECEIVED
JUN 25 1981
DIVISION OF
OIL, GAS & MINING

CORE ANALYSIS RESULTS FOR

AMOCO PRODUCTION COMPANY

UTE MOUNTAIN UTE TRIBAL NO. 1

GRAYSON FIELD

SAN JUAN COUNTY, UTAH

RECEIVED
JUN 25 1979
DIVISION OF
OIL, GAS & MINING

RECEIVED
DEC 17 1979
FARMINGTON
DISTRICT

P+A

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

MOCO PRODUCTION COMPANY
TE MOUNTAIN UTE TRIBAL NO.1
RAYSON FIELD
AN JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

CONVENTIONAL CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

Sample No. / MP.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
1	5893-94	0.04		0.1	0.0	86.0	2.71	LM DRK GY FN-XLN DNS
2	5894-95	44		1.2	0.0	86.0	2.71	LM DRK GY FN-XLN DNS
3	5895-96	0.07		0.5	0.0	81.2	2.70	LM DRK GY FN-XLN DNS
4	5896-97	0.05		0.4	0.0	71.7	2.71	LM DRK GY FN-XLN DNS
5	5897-98	0.11		0.9	0.0	52.5	2.71	LM DRK GY FN-XLN DNS
6	5898-99	0.14		0.7	0.0	70.0	2.71	LM DRK GY FN-XLN DNS
7	5899 -0	0.04		0.6	0.0	87.0	2.71	LM DRK GY FN-XLN DNS
8	5900 -1	0.04		0.6	0.0	71.7	2.71	LM DRK GY FN-XLN DNS
9	5901 -2	0.05		0.5	0.0	81.2	2.70	LM DRK GY FN-XLN SHLY DNS
10	5902 -3	0.04		0.3	0.0	81.2	2.70	LM DRK GY FN-XLN DNS
11	5903 -4	0.02		0.2	0.0	81.2	2.70	LM DRK GY FN-XLN DNS
12	5904 -5	0.01		0.3	0.0	86.0	2.70	LM DRK GY FN-XLN DNS
13	5905 -6	0.06		0.3	0.0	86.0	2.71	LM DRK GY FN-XLN DNS
14	5906 -7	0.03		0.6	0.0	92.9	2.71	LM DRK GY FN-XLN DNS
15	5907 -8	0.03		0.5	0.0	84.0	2.71	LM DRK GY FN-XLN DNS
16	5908 -9	0.03		0.5	0.0	80.0	2.71	LM DRK GY FN-XLN DNS
	5909-5910							LOST CORE
17	5910-11	0.03		0.2	17.5	70.8	2.70	LM GY FN-XLN
18	5911-12	0.03		0.2	21.7	74.0	2.70	LM GY FN-XLN
19	5912-13	0.05		0.2	0.0	79.1	2.73	LM GY FN-XLN
20	5913-14	1.3		1.2	0.0	86.0	2.70	LM GY FN-XLN
21	5914-15	0.05		1.1	0.0	96.6	2.68	LM GY FN-XLN
22	5915-16	0.05		2.0	0.0	95.2	2.67	LM GY FN-XLN
23	5916-17	0.03		1.8	0.0	59.3	2.70	LM GY FN-XLN PP VUGS
24	5917-18	0.02		0.6	0.0	65.3	2.70	LM GY FN-XLN

RECEIVED JUN 25 1979 DIVISION OF OIL, GAS & MINING

These analyses, opinions or interpretations are based on observations and materials 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 and 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 operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

OCO PRODUCTION COMPANY
E MOUNTAIN UTE TRIBAL NO.1
AYSON FIELD
N JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

CONVENTIONAL CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

P.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
25	5918-19	0.02		0.9	0.0	71.7	2.70	LM GY FN-XLN
26	5919-20	0.01		0.9	0.0	81.3	2.70	LM GY FN-XLN
27	5920-21	0.01		1.0	0.0	61.4	2.70	LM GY FN-XLN
28	5921-22	0.02		1.6	0.0	72.2	2.70	LM GY FN-XLN
29	5922-23	0.05		2.3	6.1	37.2	2.82	LM GY FN-XLN ANHY
30	5923-24	0.04		1.5	0.0	60.0	2.77	LM GY FN-XLN ANHY
31	5924-25	0.04		1.5	8.2	52.4	2.78	LM GY FN-XLN ANHY

These analyses, opinions or interpretations are based on observations and materials 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 and 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 operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MOCO PRODUCTION COMPANY
TE MOUNTAIN UTE TRIBAL NO.1
RAYSON FIELD
AN JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

WHOLE CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

MP. .	DEPTH	PERM. TO AIR (MD) MAX.	90 DEG.	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
32	5925-26	2.9	0.44	3.3	1.9	24.4	2.69	LM LT GY FN-XLN SM VUGS
33	5926-27	0.09	0.06	1.8	1.5	37.1	2.70	LM LT GY FN-XLN SM VUGS
34	5927-28	0.40	0.23	2.5	2.1	29.4	2.69	LM LT GY FN-XLN SM VUGS
35	5928-29	4.3	3.3	6.2	3.6	15.7	2.70	LM LT GY FN-XLN SM VUGS
36	5929-30	5.2	4.0	5.7	6.5	18.8	2.71	LM LT GY FN-XLN SM VUGS
37	5930-31	0.77	0.28	3.2	0.5	23.8	2.76	LM LT GY FN-XLN SM VUGS

These analyses, opinions or interpretations are based on observations and materials 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 and 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 operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MOCO PRODUCTION COMPANY
TE MOUNTAIN UTE TRIBAL NO.1
RAYSON FIELD
AN JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

CONVENTIONAL CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

MP. .	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
38	5931-32	1.6		2.1	0.0	44.5	2.80	LM LT GY FN-XLN
39	5932-33	0.07		1.2	0.0	52.7	2.77	LM LT GY FN-XLN ANHY
40	5933-34	0.05		2.0	0.0	68.7	2.78	LM LT GY FN-XLN ANHY PP VUGS

These analyses, opinions or interpretations are based on observations and materials 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 and 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 operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

OCO PRODUCTION COMPANY
E MOUNTAIN UTE TRIBAL NO.1
AYSON FIELD
N JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

WHOLE CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

MP.	DEPTH	PERM. TO AIR (MD) MAX.	90 DEG.	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
41	5934-35	0.94	0.29	3.4	0.6	23.3	2.72	LM GY N-XLN PP VUGS
42	5935-36	1.9	0.32	2.1	0.6	42.0	2.77	LM GY FN-XLN ANHY PP VUGS

These analyses, opinions or interpretations are based on observations and materials 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 and 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 operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MOCO PRODUCTION COMPANY
TE MOUNTAIN UTE TRIBAL NO.1
RAYSON FIELD
AN JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

CONVENTIONAL CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

MP.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
43	5936-37	0.05		3.1	0.0	15.8	2.77	LM LT GY FN-XLN PP VUGS
44	5937-38	0.05		1.7	0.0	55.0	2.74	LM LT GY FN-XLN PP VUGS
45	5938-39	0.09		2.7	0.0	55.0	2.76	LM LT GY FN-XLN
46	5939-40	0.04		1.4	0.0	47.7	2.76	LM LT GY FN-XLN
47	5940-41	0.03		0.8	9.2	54.2	2.77	LM LT GY FN-XLN ANHY
48	5941-42	0.05		1.1	6.7	42.9	2.76	LM LT GY FN-XLN ANHY
49	5942-43	0.09		1.9	0.0	39.7	2.75	LM LT GY FN-XLN PP VUGS
50	5943-44	0.13		1.9	0.0	46.4	2.76	LM LT GY FN-XLN PP VUGS
51	5944-45	0.07		0.9	13.8	41.2	2.78	LM GY FN-XLN ANHY
52	5945-46	0.09		1.5	7.3	28.7	2.79	LM GY FN-XLN ANHY

These analyses, opinions or interpretations are based on observations and materials 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 and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or

AMOCO PRODUCTION COMPANY
UTE MOUNTAIN UTE TRIBAL NO.1
GRAYSON FIELD
SAN JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

WHOLE CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD) MAX.	PERM. TO AIR (MD) 90 DEG.	POR. B.L.	FLUID SATS. OIL	FLUID SATS. WATER	GR. DNS.	DESCRIPTION
53	5946-47	0.44	0.40	4.0	0.9	17.6	2.70	LM LT GY FN-XLN PP VUGS
54	5947-48	0.67	0.55	3.6	2.3	25.0	2.70	LM LT GY FN-XLN PP VUGS
55	5948-49	3.1	0.27	3.3	2.4	26.1	2.75	LM LT GY FN-XLN PP VUGS
56	5949-50	0.80	0.75	5.4	4.1	14.4	2.71	LM LT GY FN-XLN PP VUGS
57	5950-51	0.97	0.94	6.0	5.2	13.4	2.70	LM LT GY FN-XLN PP VUGS
58	5951-52	2.6	1.2	5.5	4.2	14.0	2.70	LM LT GY FN-XLN SM VUGS
59	5952-53	1.3	1.2	5.0	4.2	15.8	2.70	LM LT GY FN-XLN SM VUGS

These analyses, opinions or interpretations are based on observations and materials 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 and 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 operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MOCO PRODUCTION COMPANY
TE MOUNTAIN UTE TRIBAL NO.1
RAYSON FIELD
AN JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

CONVENTIONAL CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

MP.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
60	5953-54	0.09		1.5	0.0	26.7	2.79	LM LT GY FN-XLN ANHY
61	5954-55	0.10		1.5	0.0	30.7	2.78	LM LT GY FN-XLN ANHY
62	5955-56	0.11		1.4	6.9	27.5	2.76	LM LT GY FN-XLN ANHY
63	5956-57	0.06		1.4	0.0	40.0	2.80	LM LT GY FN-XLN ANHY

These analyses, opinions or interpretations are based on observations and materials 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 and 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 operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MOCO PRODUCTION COMPANY
TE MOUNTAIN UTE TRIBAL NO.1
RAYSON FIELD
AN JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

WHOLE CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

MP. .	DEPTH	PERM. TO AIR (MD) MAX.	90 DEG.	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
64	5957-58	9.2	9.0	3.5	0.0	21.7	2.73	LM GY FN-XLN PP VUGS
65	5958-59	1.1	0.89	3.4	8.2	19.7	2.70	LM LT GY FN-XLN PP VUGS
66	5959-60	0.89	0.59	4.5	4.5	16.5	2.68	LM LT GY FN-XLN PP VUGS
67	5960-61	3.9	0.60	3.7	0.0	22.0	2.75	LM GY FN-XLN PP VUGS ANHY

These analyses, opinions or interpretations are based on observations and materials 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 and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or

MOCO PRODUCTION COMPANY
TE MOUNTAIN UTE TRIBAL NO.1
RAYSON FIELD
AN JUAN COUNTY

FORMATION : UPPER-LOWER ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : SE SE SEC. 21-T38S-R22E
STATE : UTAH

DATE : 9-6-79
FILE NO. : RP-3-2928
ANALYSTS : HOLLIS
ELEVATION: 5013' GL

CONVENTIONAL CORE ANALYSIS--BOYLE'S LAW HELIUM POROSITY

MP.	DEPTH	PERM. TO AIR (MD) HORZ.	VERTICAL	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
68	5961-62	0.37		3.7	0.0	35.0	2.75	LM LT GY FN-XLN ANHY
69	5962-63	0.21		4.3	0.0	22.3	2.80	LM LT GY FN-XLN ANHY
70	5963-64	0.11		2.6	0.0	41.9	2.79	LM LT GY FN-XLN ANHY
71	5964-65	0.11		1.4	0.0	47.9	2.80	LM LT GY FN-XLN ANHY VUGS
72	5965-66	0.62		3.9	0.0	16.2	2.79	LM LT GY FN-XLN ANHY
73	5966-67	0.13		4.1	0.0	43.1	2.78	LM GY FN-XLN ANHY
74	5967-68	0.05		2.1	0.0	47.4	2.76	LM LT GY FN-XLN ANHY
75	5968-69	0.02		1.2	0.0	36.7	2.73	LM LT GY FN-XLN ANHY

These analyses, opinions or interpretations are based on observations and materials 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 and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or