

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

DATE FILED **9-8-83**

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. **U-39585** INDIAN \_\_\_\_\_

DRILLING APPROVED: **9-12-83 - OIL/GAS**

SPUDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: \_\_\_\_\_

DATE ABANDONED: **VA- Application Rescinded 9-15-86**

FIELD: **WILDCAT**

UNIT: **MANCOS MESA**

COUNTY: **SAN JUAN**

WELL NO. **USA AMOCO "M" #1** API NO. **43-037-30934**

LOCATION **15' FSL** FT. FROM (N) (S) LINE. **1258' FWL** FT. FROM (E) (W) LINE. **SWSW** 1/4 - 1/4 SEC. **5**

| TWP. | RGE. | SEC. | OPERATOR             | TWP. | RGE. | SEC. | OPERATOR |
|------|------|------|----------------------|------|------|------|----------|
| 37S  | 13E  | 5    | AMOCO PRODUCTION CO. |      |      |      |          |

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL & GAS

**CONFIDENTIAL**

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

5. Lease Designation and Serial No.  
U-39585

6. If Indian, Allottee or Tribe Name

Unit Agreement Name  
MANCOS MESA

8. Farm or Lease Name  
USA Amoco "M"

9. Well No.  
1

10. Field and Pool, or Wildcat  
Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area  
Section 5, T37S, R13E

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 15' FSL x 1268' FWL, Section 5, T37S, R13E  
At proposed prod. zone Same 1258'

14. Distance in miles and direction from nearest town or post office\*  
104 miles southwest of Blanding, Utah

12. County or Parrish 13. State  
San Juan Utah

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

16. No. of acres in lease 2547'

17. No. of acres assigned to this well Wildcat

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft. 17,667

19. Proposed depth 2000'

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.)  
4598' Ungraded Ground Level

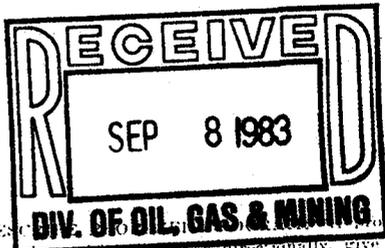
22. Approx. date work will start\*  
As soon as permitted

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"         | 32.3 H-40       | 400'          | 160 sx Class "G" w/Additives                    |
| 8-3/4"       | 7"             | 20 K-55         | 2000'         | 300 sx Class "G" w/Additives                    |
|              |                |                 |               | Tail in 100 sx Class "G". Circulate to surface. |

Amoco Production Company proposes to drill the above wildcat well to a depth of 2000' to test the White Rim Sandstone formation. Completion will be based on open hole logs. Copies of the location plat 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 PROPOSAL TO DRILL, 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: 8/30/83  
(This space for Federal or State office use)

Permit No. \_\_\_\_\_ Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

COMPANY AMOCO PRODUCTION COMPANY

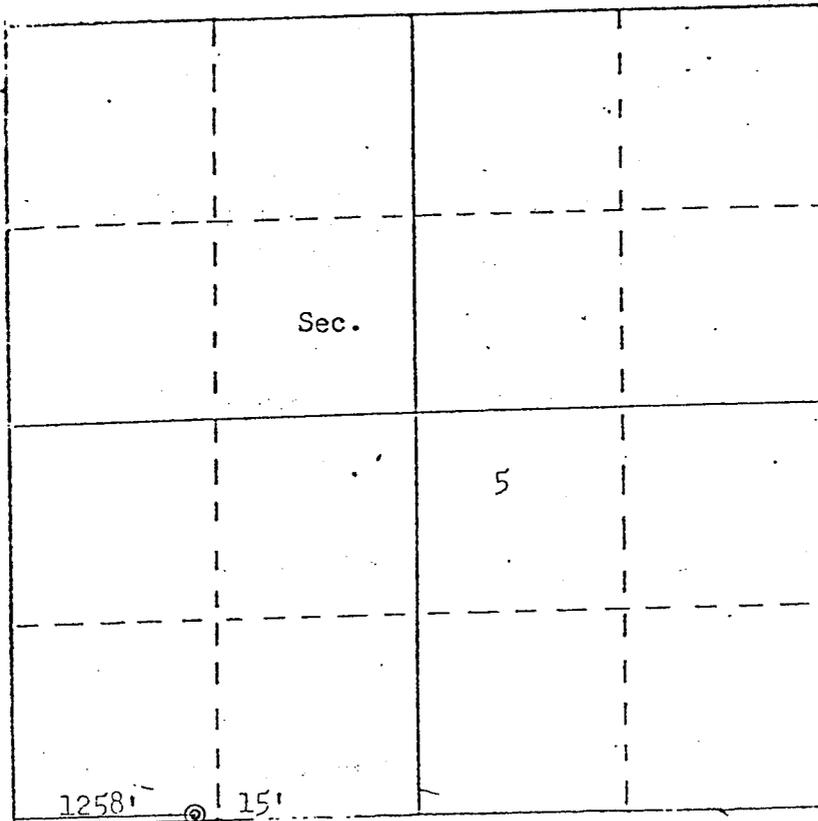
LEASE USA "M" WELL NO. 1

SEC. 5, T. 37S, R. 13E

SAN JUAN COUNTY, UTAH

LOCATION 15'FSL 1258'FWL ✓

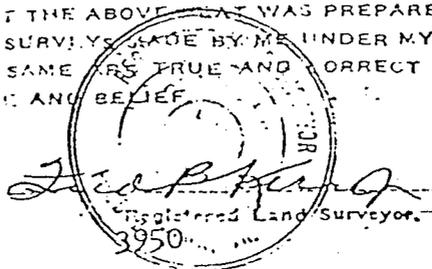
ELEVATION 4561 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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 March 23 1982

SUPPLEMENTAL INFORMATION TO FORM 9-331C

USA Amoco "M" No. 1

15' FSL x 1258' FWL

Section 6-T37S-R13E

San Juan County, Utah

The geologic name of the surface formation is the Kayenta. Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

| <u>FORMATION</u> | <u>DEPTH</u> | <u>ELEVATION</u> |
|------------------|--------------|------------------|
| Kayenta          | Surface      | 4480'            |
| Wingate          | 100'         | 4380'            |
| Chinle           | 400'         | 4080'            |
| Shinarump        | 1000'        | 3480'            |
| Moenkopi         | 1100'        | 3380'            |
| White Rim        | 1300'        | 3180'            |
| Organ Rock       | 1500'        | 2980'            |
| Cedar Mesa       | 1900'        | 2580'            |
| TD               | 2000'        | 2480'            |

Estimated KB elevation: 4611'

The well will be drilled from 0 - 400' using a low solids non dispersed mud system. The well will then be drilled from 400' - TD with Air.

Completion design will be based on the following logs: DIL-GR-SP-FDC-CNL-GR-Caliper. BHC Sonic-GR Dipmeter.

Hole will need to be filled with drilling mud to run surveys.

Operations will commence when permitted and last approximately 5 weeks. If water is encountered before White Rim SS, then one Drill Stem Test will be needed. Amoco's standard blowout prevention will be employed (see attached drawing). 60' of conventional core will be taken in White Rim SS.

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

MULTI-POINT SURFACE USE PLAN

USA Amoco "M" No. 1  
15' FSL x 1258' FWL  
Section 6-T37S-R13E  
San Juan County, Utah

1. The attached topographic map shows the proposed route to the location.
2. It will be necessary to build an access road approximately 20' wide and 36,960' in length.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map. (None)
4. There is a 380-barrel tank and facilities located at (None).
5. Water will be hauled from Moquist Canyon.
6. No construction materials will be hauled in for this location.
7. A 100' by 100' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled. If any liquids remain, they will be hauled away prior to back filling.
8. There are no airstrips or camps in the vicinity.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Reseeding of the site will be carried out as instructed by the Bureau of Land Management - Monticello, Utah.
11. The general topography is hard sand-rock-covered by 6" of loose top soil.

Representatives of the Minerals Management Service's Durango's office and the Bureau of Land Management Monticello's office will inspect the site with Amoco personnel. Cultural resources inspection will be conducted by an archaeologist from Brigham Young University.

12. Operator's Representative:

Phone: Office: 505-325-8841;  
Address: 501 Airport Drive, Farmington, NM 87401

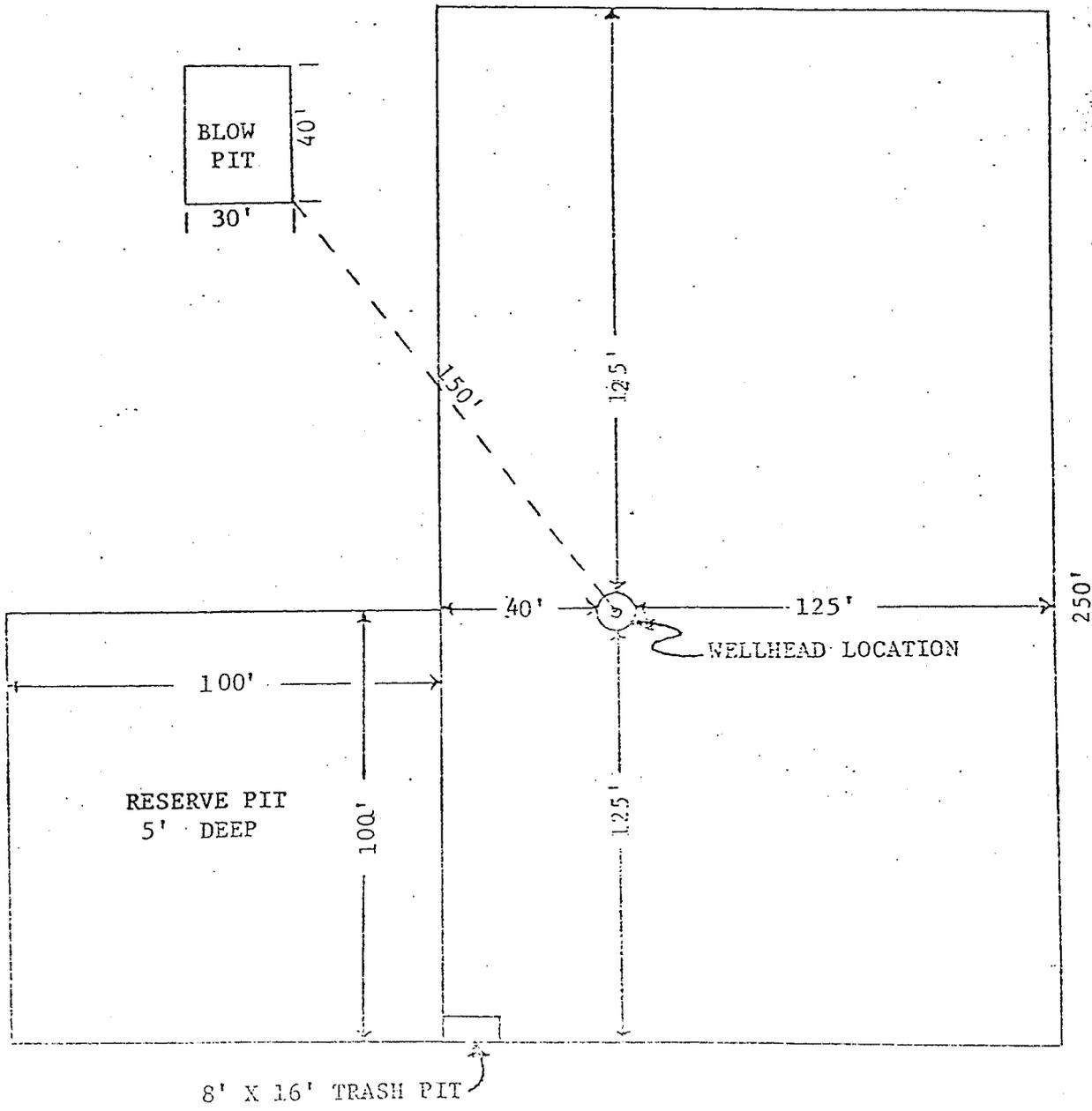
Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the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

Date

9/2/83

  
\_\_\_\_\_  
District Superintendent

N

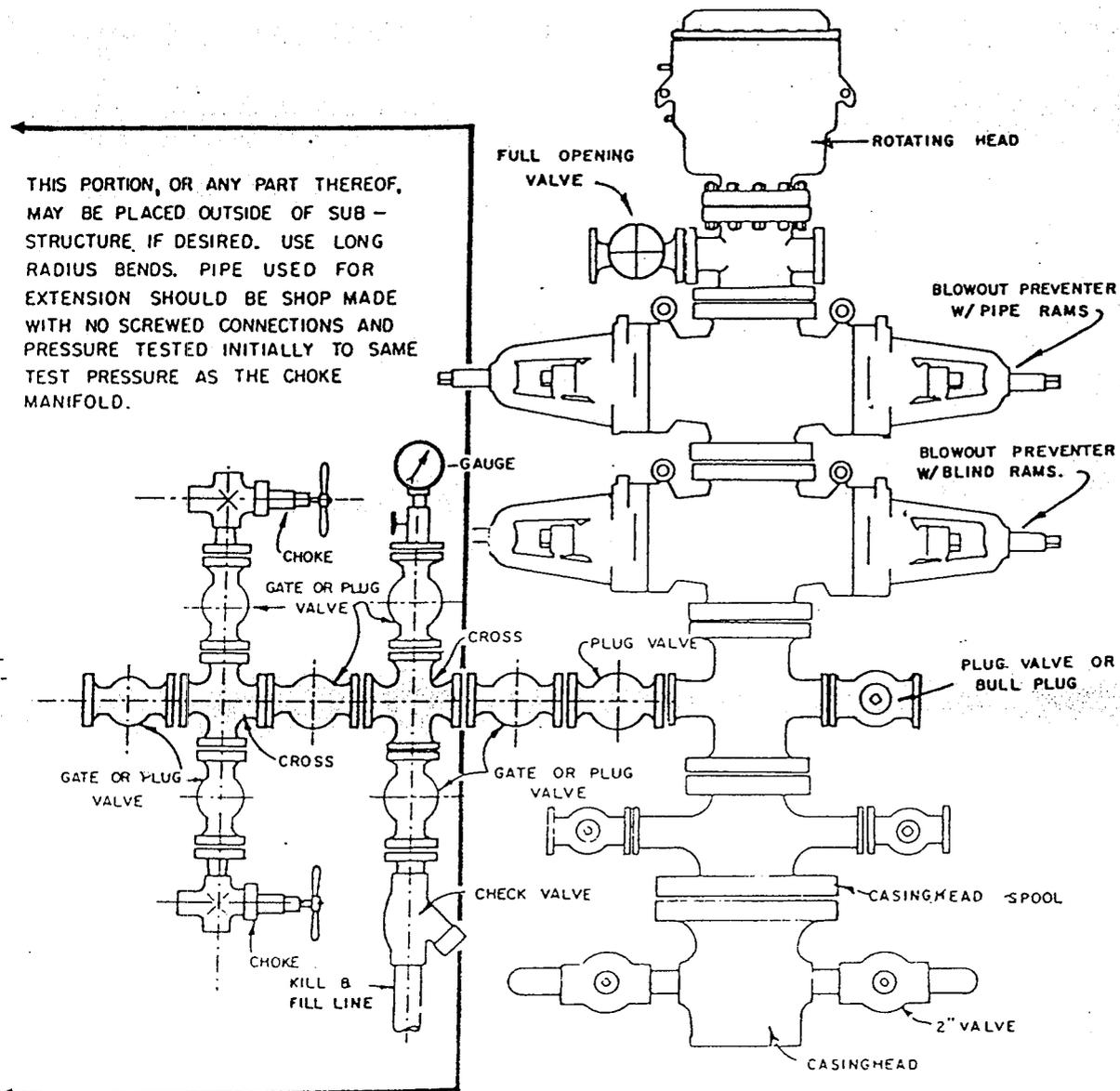


APPROXIMATELY 1.2 ACRES

Amoco Production Company  
DRILLING LOCATION SPECIFICATIONS  
USA Amoco "M" No. 1

SCALE: 1" = 40'  
DRG. NO.

1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Omsco or comparable safety valve must be be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.

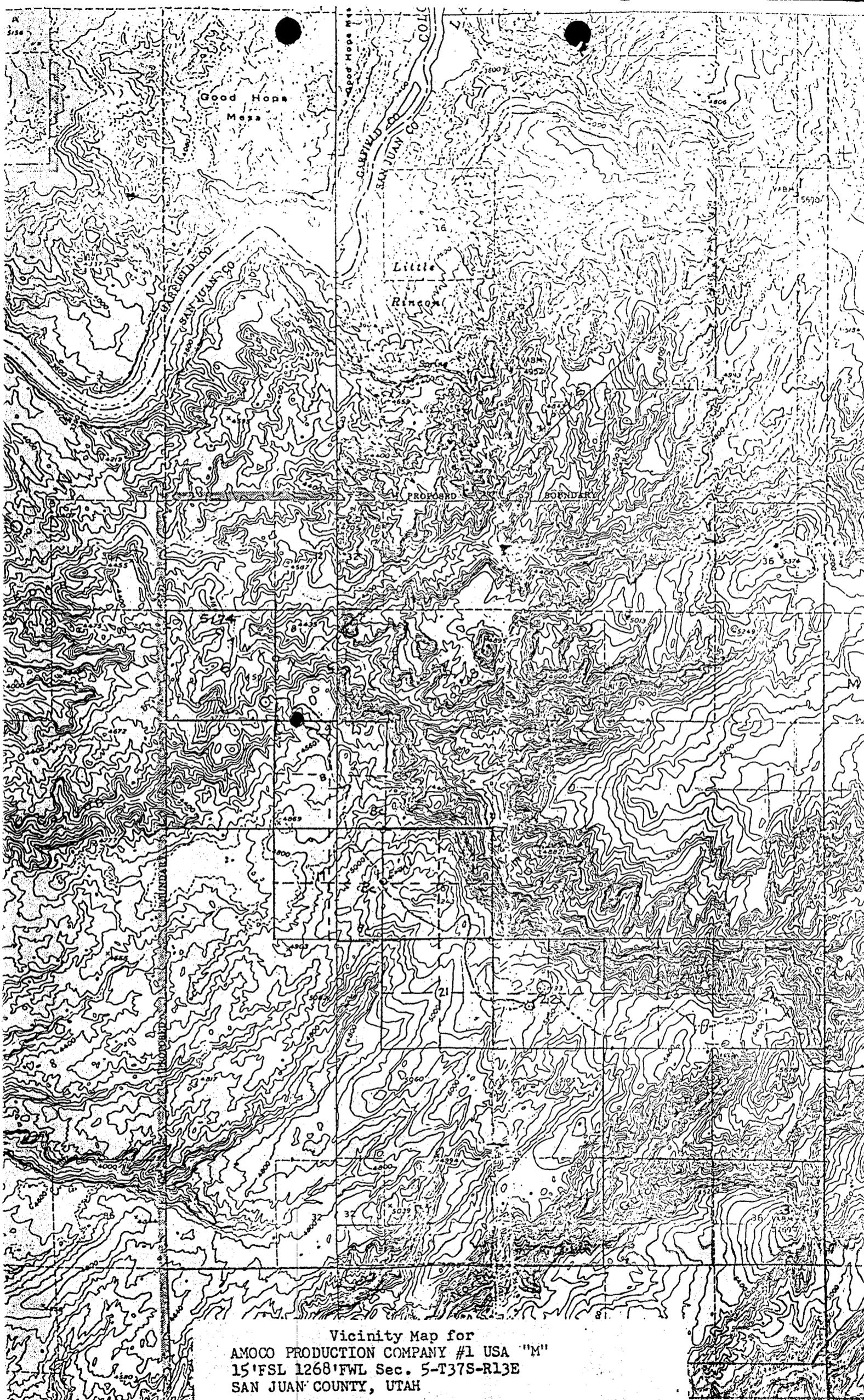


### BLOWOUT PREVENTER HOOKUP

API Series # 900

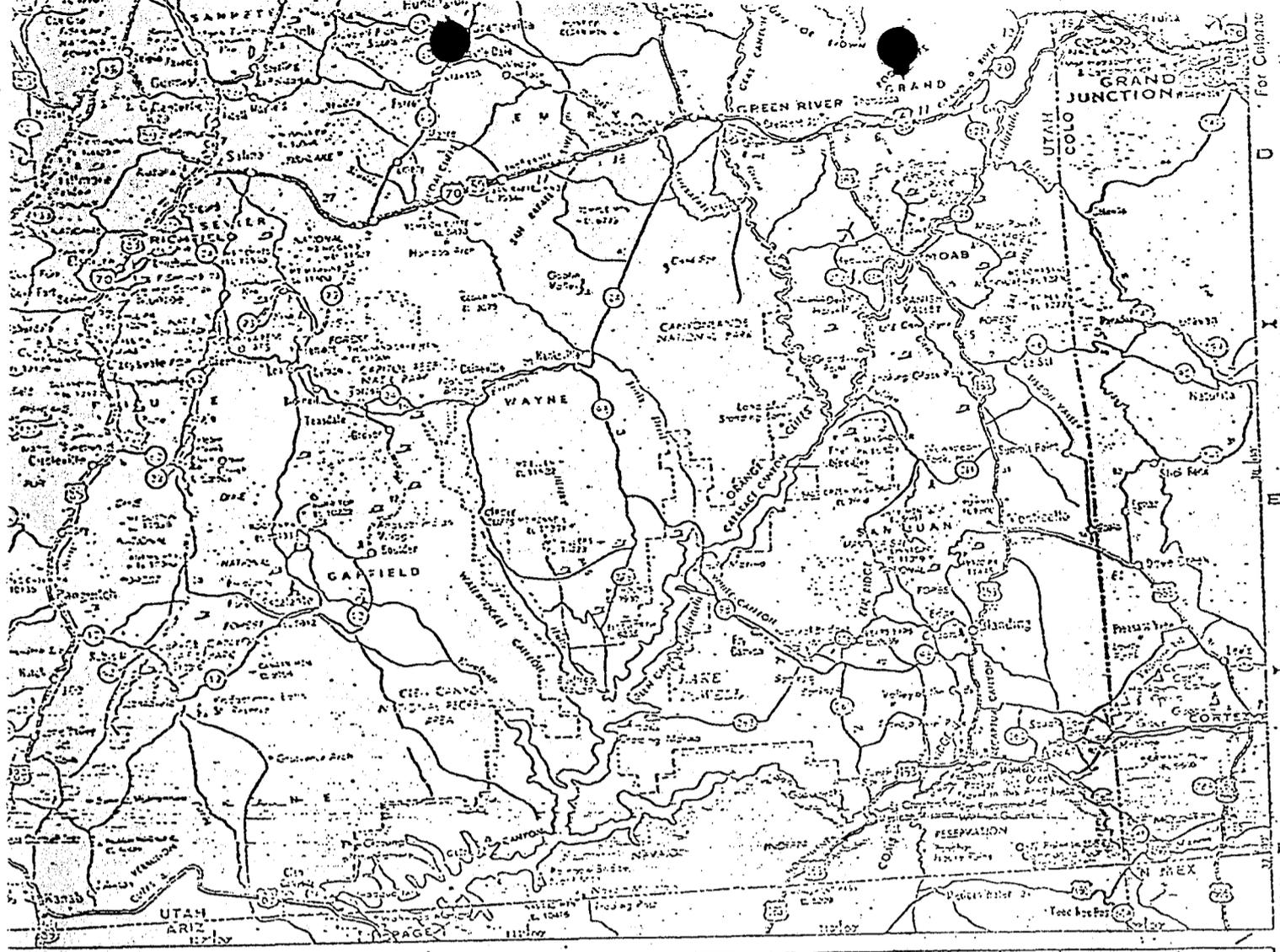
EXHIBIT D-4  
OCTOBER 16, 1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.



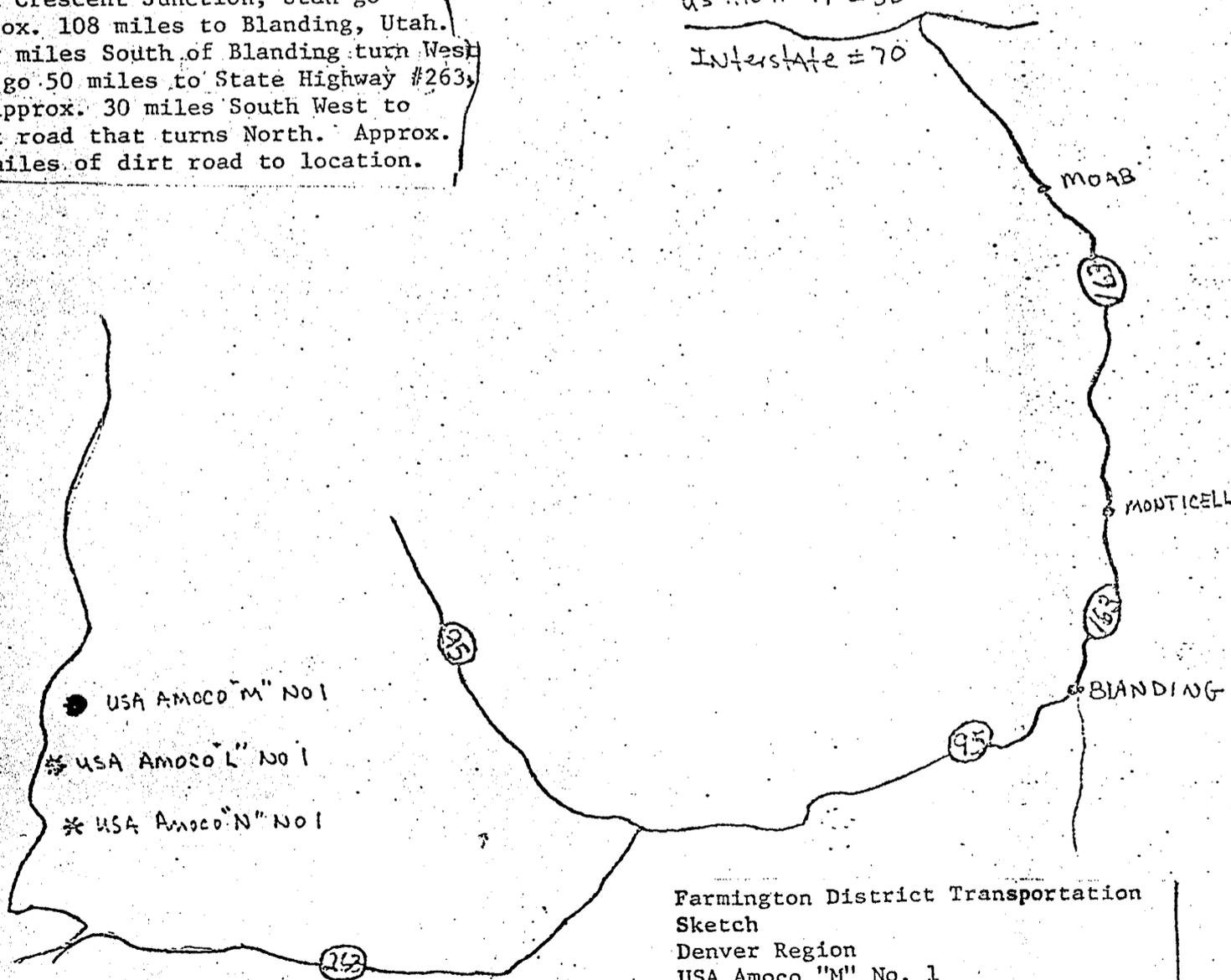
Vicinity Map for  
AMOCO PRODUCTION COMPANY #1 USA "M"  
15' FSL 1268' FWL Sec. 5-T37S-R13E  
SAN JUAN COUNTY, UTAH

1:48 2 300 000 FEET 1  
110°30'  
Mapped, edited, and published by the Geological Survey  
in cooperation with the Atomic Energy Commission



From Crescent Junction, Utah go approx. 108 miles to Blanding, Utah. Four miles South of Blanding turn West and go 50 miles to State Highway #263, Go approx. 30 miles South West to dirt road that turns North. Approx. 18 miles of dirt road to location.

US HIGHWAY #50  
Interstate #70



● USA Amoco "M" No 1  
\* USA Amoco "L" No 1  
\* USA Amoco "N" No 1

Halls Crossing  
MATINA

Farmington District Transportation Sketch  
Denver Region  
USA Amoco "M" No. 1  
Section 6, T37S, R13E  
San Juan County, Utah  
Amoco WI: 100%  
Rail Point: Moab, Utah 210 miles  
Mud Point: Moab, Utah 210 miles  
Cement Point: Cortez, CO 186 miles

# CONFIDENTIAL

OPERATOR AMOCO PRODUCTION CO DATE 9-12-83  
WELL NAME USA AMOCO "M" #1  
SEC SW SW 5 T 37 S R 13 E COUNTY SAN JUAN

43-037-30934  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

|                                |                              |                             |
|--------------------------------|------------------------------|-----------------------------|
| <input type="checkbox"/> INDEX | <input type="checkbox"/> MAP | <input type="checkbox"/> HL |
| <input type="checkbox"/> NID   | <input type="checkbox"/>     | <input type="checkbox"/> PI |

PROCESSING COMMENTS:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 9-12-83  
BY: [Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

9/13/83 WMT

APPROVAL LETTER:

SPACING:  A-3 MANCOS MESA  c-3-a CAUSE NO. & DATE  
 c-3-b  c-3-c

SPECIAL LANGUAGE:

WATER

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FEED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER NO

UNIT MANCOS MESA

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.

September 12, 1983

Amoco Production Company  
501 Airport Drive  
Farmington, New Mexico 87401

RE: Well No. USA AMOCO 'M' #1  
SWSW Sec. 5. T.37S, R.13E  
15' FSL, 1258' FWL  
San Juan 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 (Phone No. 801-53306071) 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:

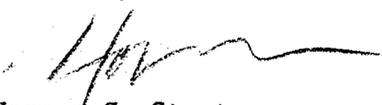
RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

Enclosed please find Form OGC-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.

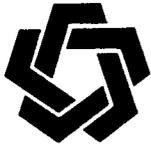
Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30934.

Sincerely,

  
Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Branch of Fluid Minerals  
Encl.



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

September 25, 1984

Bureau of Land Management  
Branch of Fluid Minerals  
P.O. Box 970  
Moab, Utah 84532

Gentlemen:

Re: Applications to Drill Over One Year Old

Enclosed is a list of wells in your district that were given State approval to drill over one year ago. We have received copies of federal approval as noted.

Please let me know what action, if any, the Bureau of Land Management is taking on these wells.

Thank you for your help in keeping our records up to date.

Sincerely,

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

Claudia Jones  
Well Records Specialist

clj  
Attachment  
cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File  
00000005/1-2

Attachment I  
Bureau of Land Management  
September 24, 1984

Amoco Production Company  
Well No. Desert Lake Unit #2  
Sec. 13, T. 17S., R. 12E.  
Emery County, Utah  
API #43-015-30164  
Lease No. U-217934  
State Approval - April 28, 1983  
Federal Approval - June 10, 1983

Skyline Oil Company  
Well No. Federal #10-11  
Sec. 10, T. 16S., R. 12E.  
Emery County, Utah  
API #43-015-30147  
Lease No. U-43777  
State Approval - Dec. 16, 1982  
Federal Approval - Dec. 27, 1982

Amoco Production Company  
Well No. USA AMOCO "M" #1  
Sec. 5, T. 37S., R. 13E.  
San Juan County, Utah  
API #43-037-30934  
Lease No. U-39585  
State Approval - September 12, 1983  
Federal Approval - not received

Amoco Production Company  
Well No. USA AMOCO "L" #1  
Sec. 22, T. 37S., R. 13E.  
San Juan County, Utah  
API #43-037-30935  
Lease No. U-39579  
State Approval - September 12, 1983  
Federal Approval - not received

Amoco Production Company  
Well No. USA AMOCO "N" #1  
Sec. 24, T. 37S., R. 13E.  
San Juan County, Utah  
API #43-037-30936  
Lease #U-30582  
State Approval - September 12, 1983  
Federal Approval - Not received

091702

September 15, 1986

Amoco Production Company  
501 Airport Drive  
Farmington, New Mexico 87401

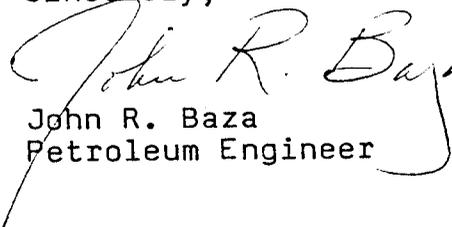
Gentlemen:

RE: Well No. USA Amoco "M" #1, Sec.5, T.37S, R.13E,  
San Juan County, Utah, API NO. 43-037-30934

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

  
John R. Baza  
Petroleum Engineer

sb

cc: BLM-Moab  
D. R. Nielson  
R. J. Firth  
Well file  
0327T-1

- 4) Amoco Production Company  
Well No. USA Amoco "M" 1  
Sec. 5, T. 37 S., R. 13 E.  
Lease U-39585

The decision was made to deny Application to Drill on December 15, 1983. An appeal was filed and the case was sent to IBLA October 17, 1984.

- 5) Amoco Production Company  
Well No. USA Amoco "L" 1  
Sec. 22, T. 37 S., R. 13 E.  
Lease U-39579

The decision was made to deny Application to Drill on December 15, 1983. An appeal was filed and the case was sent to IBLA October 17, 1984.

- 6) Amoco Production Company  
Well No. USA Amoco "N" 1  
Sec. 24, T. 37 S., R. 13 E.  
Lease U-30582

The decision was made to deny Application to Drill on December 15, 1983. An appeal was filed and the case was sent to IBLA October 17, 1984.

- 7) Wesgra Corporation  
Well No. San Juan Federal 16  
Sec. 8, T. 42 S., R. 19 E.  
Lease U-23761-A

This well has been spudded, enclosed is Sundry Notice submitted by Wesgra informing us of this action.

- 8) Operator: Unknown  
Well No. Petro X 22-2A  
Sec. 22, T. 21 S., R. 23 E.  
Lease U-16962-A

We have no record of receiving an application on the above well. Grand Resource area advised that they know of no off-set well being drilled from 22-1. Well No. 22-1 is still a producing well.

- 9) Wesgra Corporation  
Well No. Gebauer-Skeen 3  
Sec. 7, T. 42 S., R. 19 E.  
Lease U-7303

No file information on status.