

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

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amerada Hess Corporation

3. ADDRESS OF OPERATOR

P. O. Box 2040, Tulsa, OK 74102

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

At surface

990' FNL & 990' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles NE Counselor

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

1600

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.

19. PROPOSED DEPTH

2500

20. ROTARY OR CABLE TOOLS

Rotary

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

6676 GR

22. APPROX. DATE WORK WILL START*

March 15, 1982

23.

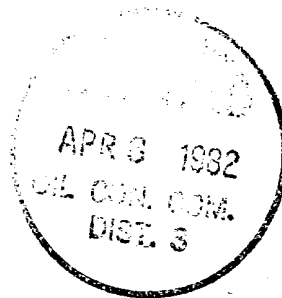
PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|-------------------------------|
| 11" | 8-5/8" | 24# | 300' | 150 sx circulating to surface |
| 7-5/8" | 5-1/2" | 14# | 2270' | 500 sx |

Procedures: Set 8-5/8" surface pipe @300'± drill to TD w/ low water loss mud. Run electric logs, set 5-1/2" production casing above Pictured Cliff zone and cement 5-1/2" casing w/enough cement to bring cement top above the OJO Alamo formation. Drill out 5-1/2" casing and complete well in Pictured Cliff formation.

Exhibit Attached:

- A. Location and Elevation Plat
- B. Access Road Topo Map
- C. Multi Point Requirement for APD
- D. 10 Point Compliance Program
- E. Plat Showing Existing Wells
- F. Rig Layout
- G. BOP Diagram



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

J. R. Wilson

TITLE Supv. Drlg. Admin. Serv.

DATE 2-24-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDEDAPR 02 1982

JAMES F. SIMS
DISTRICT ENGINEER

NM000

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

| | | | | |
|--|--|--------------------------------------|------------------------|--|
| Operator AMERADA HESS CORPORATION | | Lease JICARILLA APACHE "C" | | Well No. 13 |
| Unit Letter D | Section 35 | Township 24N | Range 5W | County Rio Arriba |
| Actual Footage Location of Well: 990 feet from the North line and 990 feet from the West line | | | | |
| Ground Level Elev. 6676 | Producing Formation Pictured Cliff | | Pool Ballard | Dedicated Acreage: 160 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

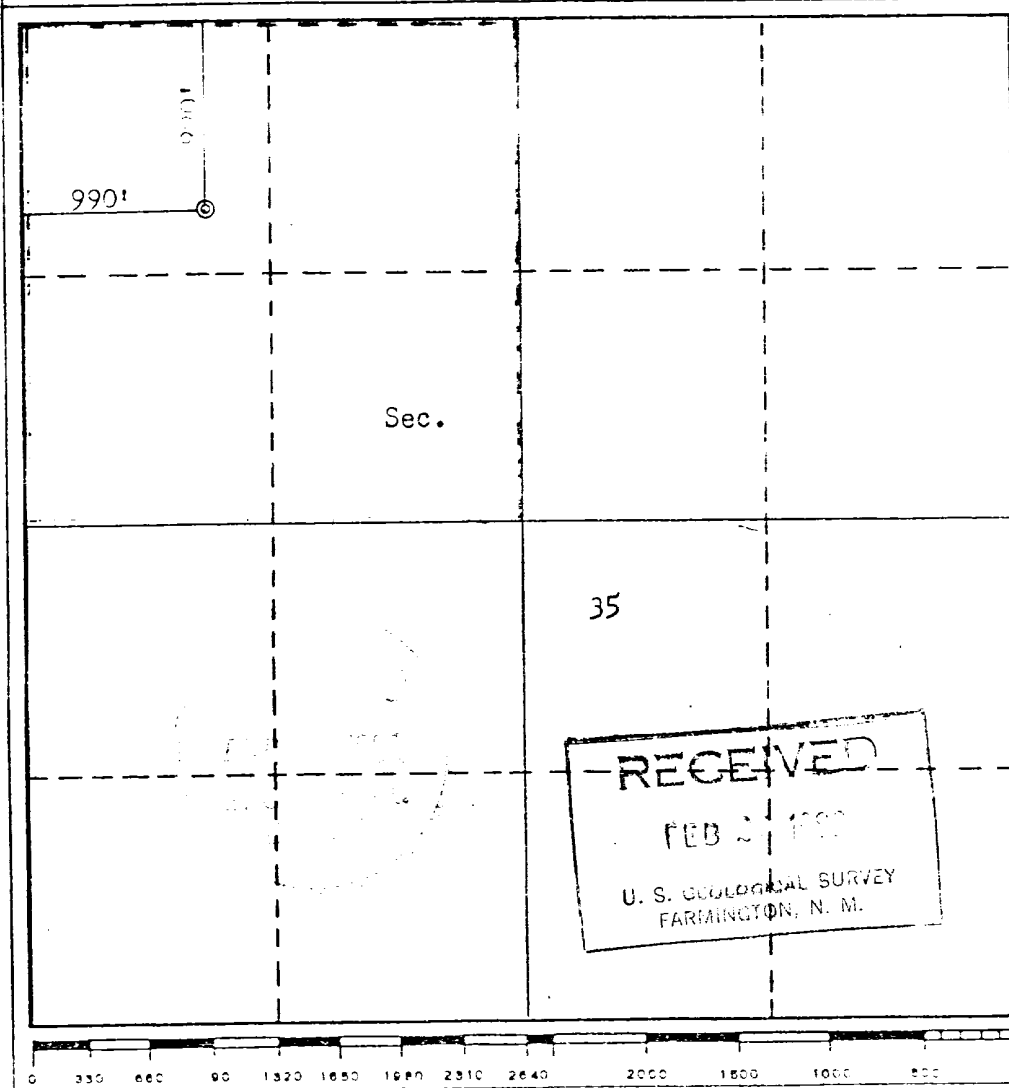
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



| | |
|---|---------------------------|
| CERTIFICATION | |
| I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. | |
| Name | A. F. Lambert |
| Position | Assistant Engineer |
| Company | Amerada Hess Corp. |
| Date | 2-24-80 |
| I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. | |
| Date Surveyed | February 22, 1980 |
| Registered Professional Engineer and/or Land Surveyor | Fred B. Kern Jr. |
| Certificate No. | 3950 |

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Company: Amerada Hess Corporation

Well: Jicarilla Apache C #3

Well Location: 990 FNL 990 FWL

Section: 35, T24N, R5W

County: Rio Arriba

State: New Mexico

1. Existing Roads

- A. The proposed well site and plat is shown as Exhibit A
- B. This location is 14 miles NE of Counselor, New Mexico
- C. Access roads to location. See Exhibit B.
- D. NA
- E. See Exhibit E
- F. Grading only

2. Planned Access Roads

- 1. Width 20'
- 2. Maximum Grades 1⁰
- 3. Turnouts. None
- 4. Drainage design. None
- 5. Location and size of culverts and brief description of any major cuts and fills. None
- 6. Surface materials. None
- 7. Necessary gates, cattleguard, or fence cuts. None
- 8. No new or recondition roads are anticipated.

3. Location of existing wells

- (1) Water wells. None
- (2) Abandoned wells. None
- (3) Temporarily abandoned wells
- (4) Disposal wells. None
- (5) Drilling wells. None
- (6) Producing wells. See Exhibit E
- (7) Shut in wells. None
- (8) Injection wells. none
- (9) Monitoring or observation wells. None

4. Location of existing and producing facilities.

- A. (1) Each well has own tank and flowlines and lines are buried
- (2) Ditto
- (3) Ditto
- (4) Ditto
- (5) Ditto
- (6) Ditto