

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-22920

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

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

At surface

790' FSL & 1850' FEL

At proposed prod. zone

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

4 miles SE Lindrith

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 790

16. NO. OF ACRES IN LEASE

640

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.

2500'

19. PROPOSED DEPTH

3200'

20. ROTARY OR CABLE TOOLS

Rotary

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

7352' GR

22. APPROX. DATE WORK WILL START\*

March 5, 1982

23.

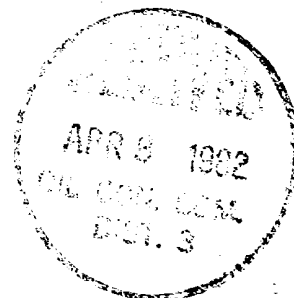
PROPOSED CASING AND CEMENTING PROGRAM

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#	3060'	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 J. R. Wilson TITLE Supv. Drlg. Admin. Serv. DATE 2-23-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

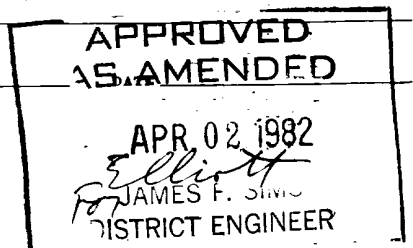
APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*on 2*

NMCCG



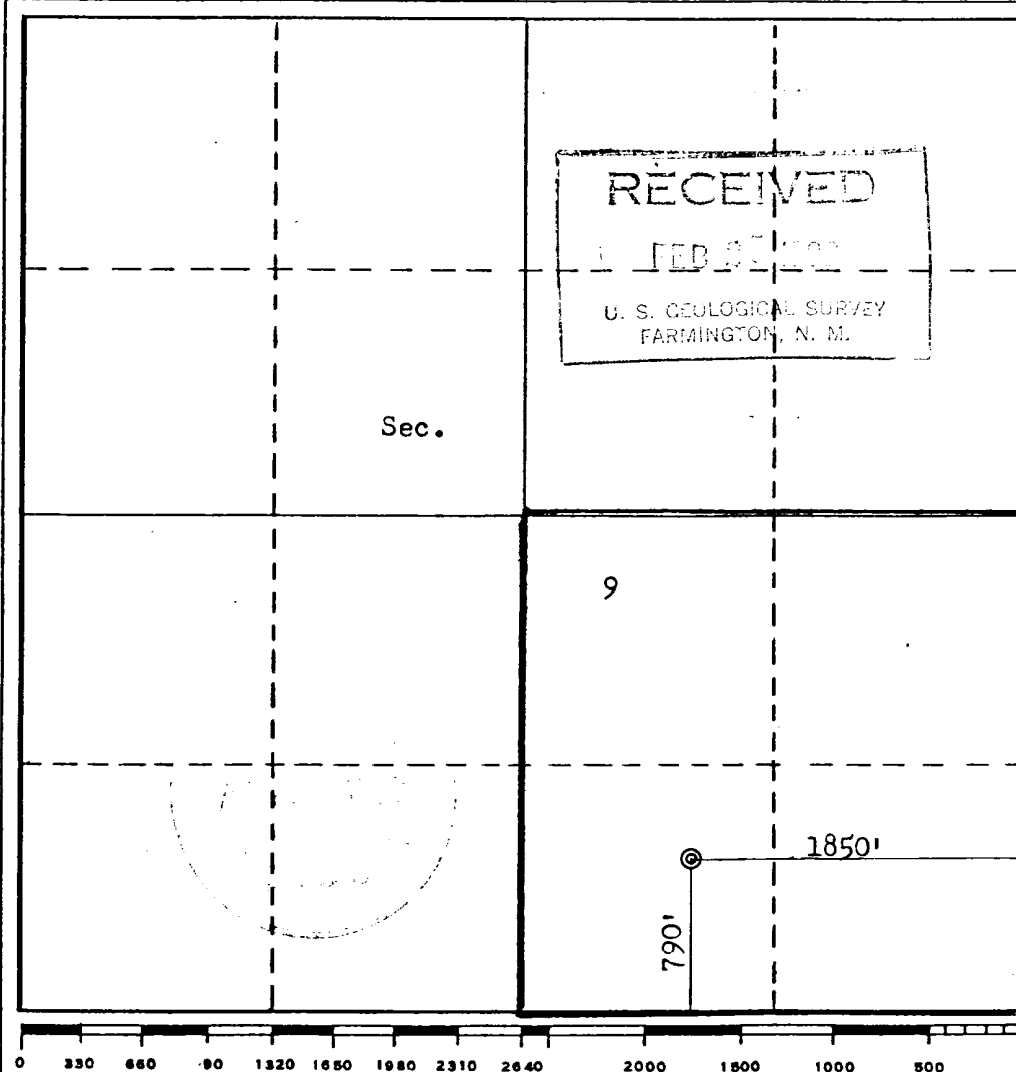
## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

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

Exhibit A

Operator AMERADA HESS CORPORATION			Lease JICARILLA APACHE "H" TRACT 2		Well No. 4
Unit Letter 0	Section 9	Township 23N	Range 2W	County Rio Arriba	
Actual Footage Location of Well: 790 feet from the South line and 1850 feet from the East line					
Ground Level Elev. 7352	Producing Formation Pictured Cliffs		Pool Blanco	Dedicated Acreage: 160 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation _____</p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p>					



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name J. R. Wilson	J. R. Wilson
Position Supv. Dirg. Admin Serv.	
Company Amerada Hess Corp.	
Date 2-23-82	
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 23, 1982	
Registered Professional Engineer and/or Land Surveyor Fred B. Kerr, Jr.	
Certificate No. 3950	

Exhibit-3

270 000 FEET 318



Vicinity Map for  
 AMERADA HESS CORP. #4 JICARILLA APACHE "H" TRACT 2  
 790'FSL 1850'FEL Sec. 9-T23N-R2W  
 RIO ARriba COUNTY, NEW MEXICO