

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-22920

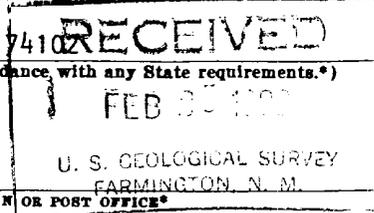
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

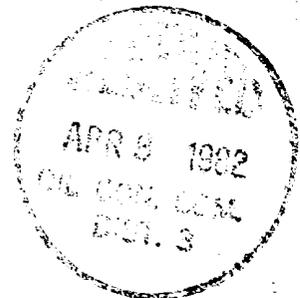
23. PROPOSED CASING AND CEMENTING PROGRAM

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

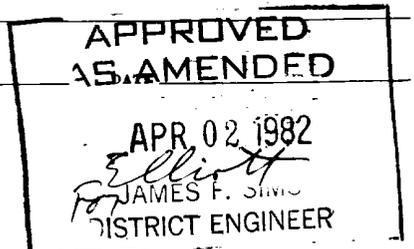
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

on 2



NMCCG

DIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

Exhibit A

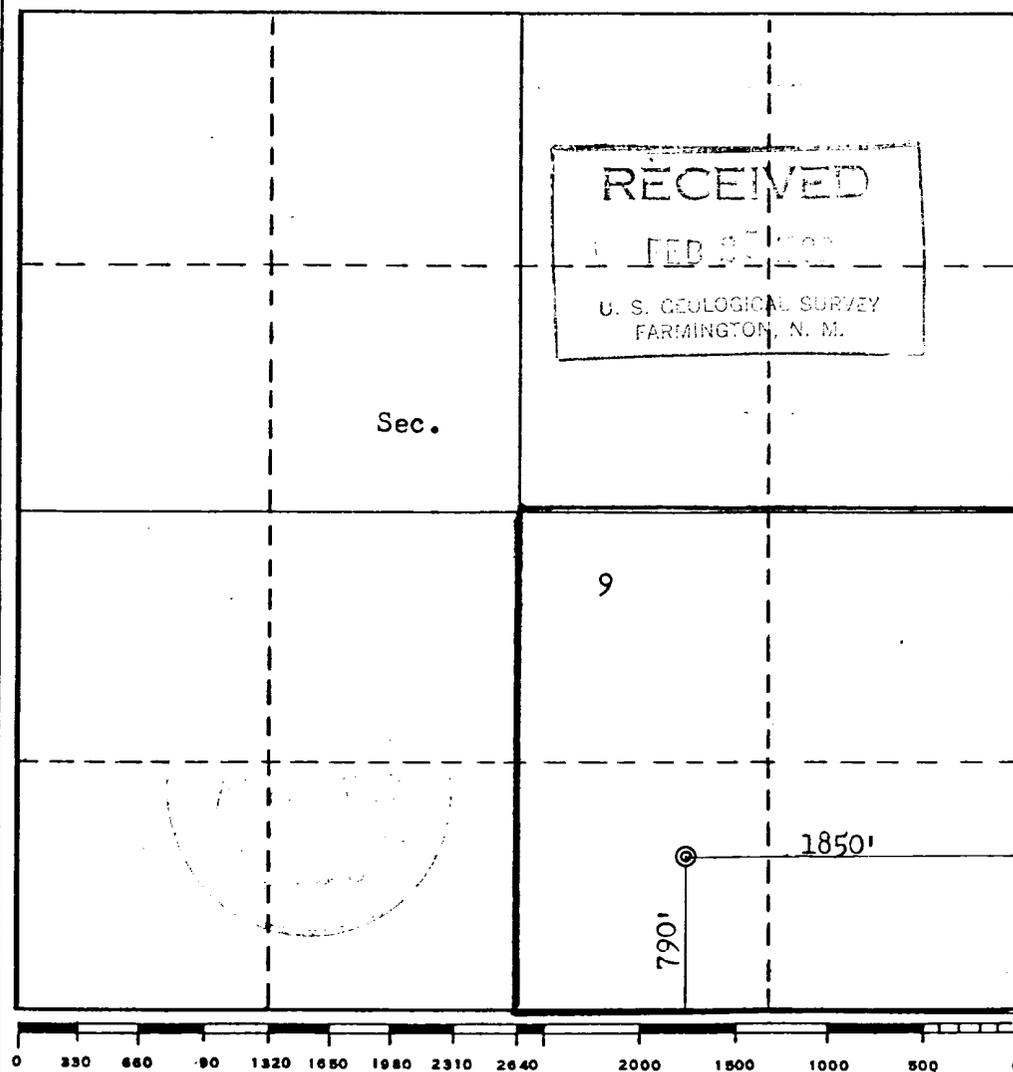
Operator AMERADA HESS CORPORATION			Lease JICARILLA APACHE "H" TRACT 2		Well No. 4
Unit Letter 0	Section 9	Township 23N	Range 2W	County Rio Arriba	
Actual Footage Location of Well: 790 feet from the South line and 1850 feet from the East line					
Ground Level Elev. 7352	Producing Formation Pictured Cliffs		Pool BLANCO	Dedicated Acreage: 160 Acres	

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 _____

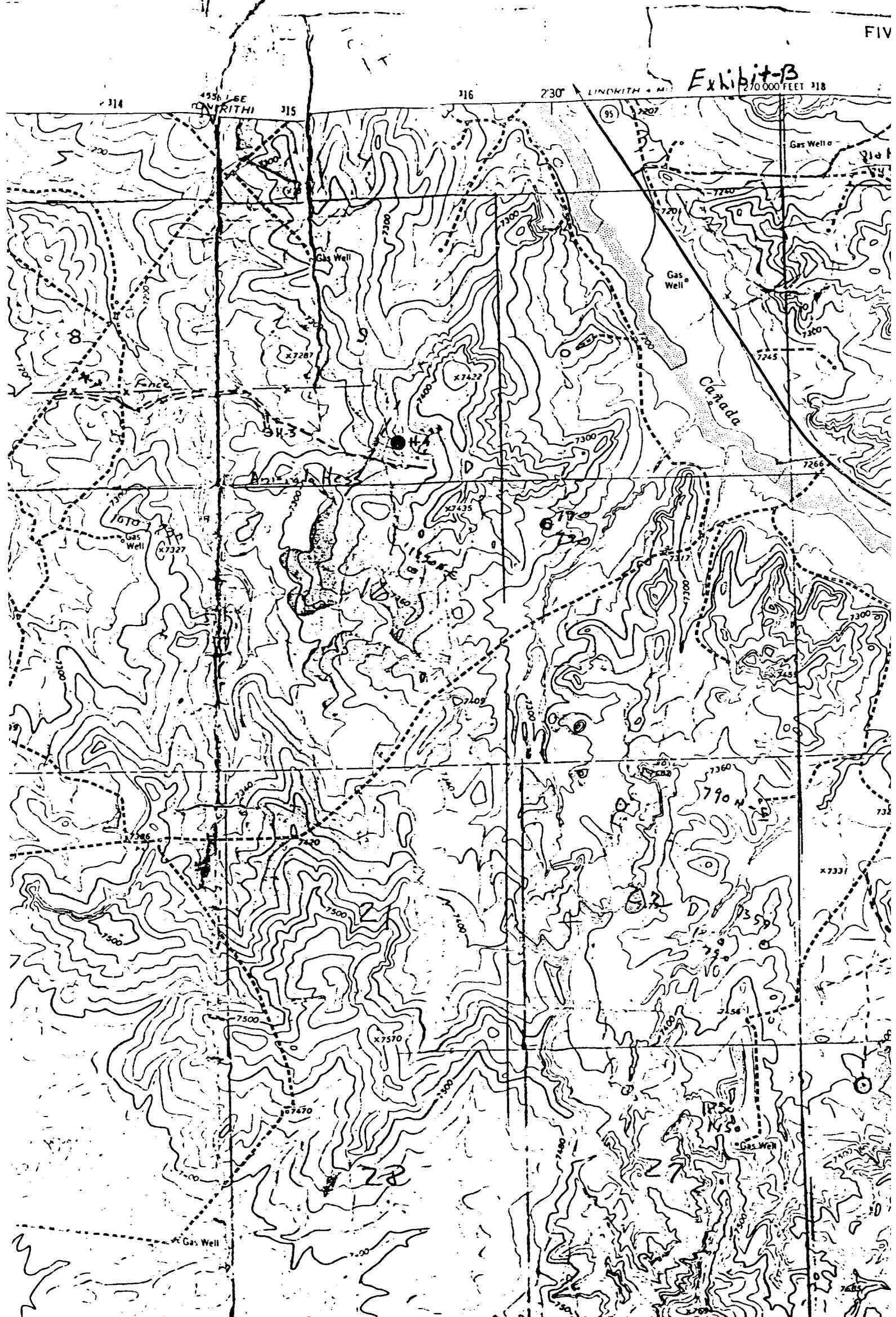
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
Name	<i>J. R. Wilson</i> J. R. Wilson
Position	Supv, Drlg. Admin Serv.
Company	Amerada Hess Corp.
Date	2-23-82
<i>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.</i>	
Date Surveyed	February 23, 1982
Registered Professional Engineer and/or Land Surveyor	<i>Fred B. Kerr Jr.</i>
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