

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> <b>PLUG BACK <input checked="" type="checkbox"/></b>		5. LEASE DESIGNATION AND SERIAL NO. <del>NM 1419</del> <b>Jicarilla Cont. #9</b>
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Jicarilla Apache</b>
2. NAME OF OPERATOR <b>Amerada Hess Corporation</b>		7. UNIT AGREEMENT NAME <b>(lease Contract #9)</b>
3. ADDRESS OF OPERATOR <b>Drawer "D", Monument, New Mexico 88265</b>		8. FARM OR LEASE NAME <b>J. Apache "A"</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>880' FSL, 990' FEL</b> At proposed prod. zone <b>Same as surface</b>		9. WELL NO. <b>5</b>
11. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>20 miles NW of Lindrith, New Mexico</b>		10. FIELD AND POOL, OR WILDCAT <b>Otero/Chacra <del>Est.</del></b>
12. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) <b>1320'</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 25, T25N, R5W</b>
13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>880'</b>		12. COUNTY OR PARISH <b>Rio Arriba</b>
14. NO. OF ACRES IN LEASE <b>2560</b>		13. STATE <b>NM</b>
15. PROPOSED DEPTH <b>-----</b>		17. NO. OF ACRES ASSIGNED TO THIS WELL <b>Chacra Gas - 160</b>
20. ROTARY OR CABLE TOOLS <b>-----</b>		21. APPROX. DATE WORK WILL START* <b>JUN 06 1982</b>
21. ELEVATIONS (Show whether DP, RT, GR, etc.) <b>6992' GL</b>		

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" OD	24#	227'	125 sks.
7-7/8"	5-1/2" OD	15.5#, 17#	6650'	150 sks.

Rig up. Trip out production tbg. Set cement retainer @ 6500'. Squeeze Gallup perms. @ 6550' - 6560' w/cement. Leave 50' of cement on retainer. Come up-hole and set CIBP @ 4818' to TA the Mesa Verde formation. (NOTE: Upon abandonment of this wellbore, the 5-1/2" csg. will be perf. @ 4818', 50' below the M.V. formation top, & 100' of csg. across the M.V. will be squeezed plus 50% excess. The CIBP @ 4818' will then be capped w/150' of cement.) Circulate hole w/2% KCl water plus clay stablizer. Perf. 5-1/2" csg. @ 3990'. Set pkr. & surge pump to loosen mud behind pipe. Perf. @ 4040', set pkr. & surge pump to see if communications between perms. occurs. Follow w/20 bbls. of CW-100 & 75 sks. of Class "C" Neat cement w/5#/sk. NaCl. Flush. Drill out. Run Cement Bond Log fr. 4200' to 3900'. Perf. Chacra fr. 4006'-4028' w/2 shots per ft. for a total of 44 shots. Set pkr. & breakdown Chacra formation fr. 4006'-4028' w/1000 gal. of WF40 combined w/1000 gal. CO<sub>2</sub> dropping ball sealers for diverter. Frac zone w/24,000 gal. fluid & 24,000 gal. CO<sub>2</sub> w/18,000# 100 Mesh sand & 58,000# 20/40 sand. Flowback. Swab if necessary.

Verbal Approval by Richard Bell, 6-2-82

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 prevention program, if any.

21

SIGNED David Holmes TITLE Petroleum Engineer DATE June 3, 1982

(This space for Federal or State office use)

PERMIT NO.

**APPROVED**

APPROVED BY

CONDITIONS OF APPROVAL **JUN 17 1982**For **JAMES F. SIMS**  
**DISTRICT ENGINEER**

\*See Instructions On Reverse Side

**APPROVED AS AMENDED****JUN 10 1982****JAMES F. SIMS**  
**DISTRICT ENGINEER**

NM000



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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


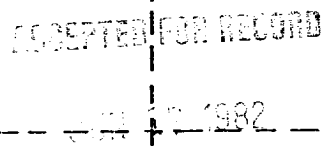
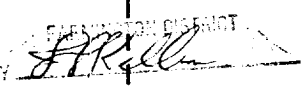
Operator <b>Amerada Hess Corporation</b>			Lease <b>Jicarilla Apache "A"</b>		Well No. <b>5</b>
Unit Letter <b>P</b>	Section <b>24</b>	Township <b>25N</b>	Range <b>5W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well:					
880 feet from the South		990 feet from the East			
Ground Level Elev. <b>7003' DE</b>	Underlying Formation <b>Chacra</b>	Foot <b>Otero</b>		Dedicated Acreage: <b>160</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

			
		160 acres	
		0	

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
*E. B. Fisher*  
Position  
Supv. Adm. Ser.  
Company  
Amerada Hess Corporation  
Date  
6-14-82

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  
  
Registered Professional Engineer and/or Land Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

NMOCC

