

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 148
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 501 Airport Dr., Farmington, NM 87401		8. FARM OR LEASE NAME Jicarilla Contract 148
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 970' FSL x 1790' FEL Section 13, T25N, R5W At proposed prod. zone Same		9. WELL NO. 28
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles Northeast of Counselor, NM		10. FIELD AND POOL, OR WILDCAT Otero Chacra Ext.
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 970'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/4, SE/4, Section 13 T25N, R5W
16. NO. OF ACRES 2560		12. COUNTY OR PARISH Rio Arriba
17. PROPOSED DEPTH 4304'		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 89'		19. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6912' GL		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"	8-5/8" (New)	24.0# K-55	300'	372 cu ft Class B x 2% CaCl2-Circ
7-7/8"	4-1/2" (New)	9.5# K-55	4304'	1340 cu ft Class B 50:50 POZ w/6% gel 2# med tuf plug/sx & .8% FLA. Tail in w/118 cu ft Class B neat-Circ.

Amoco proposes to drill the above well to further develop the Otero Chacra reserves. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. A copy of all logs will be filed upon completion. Additional information required by NTL-6 for the application to drill and a multi-point surface use plan are attached.

The gas from this well is not dedicated to a gas sales contract.

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. Original Signed By
D. H. SHOEMAKER
SIGNED _____ TITLE District Engineer DATE 10-22-82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

FEB 7 1983
JAMES F. SIMS
DISTRICT ENGINEER

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

30-039-23/53

Operator AMOCO PRODUCTION COMPANY			Lease JICARILLA CONTRACT 148		Well No. 28
Unit Letter 0	Section 13	Township 25N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 970 feet from the South line and 1790 feet from the East line					
Ground Level Elev. 6912	Producing Formation Chacra	Pool Otero Chacra Ext.	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.

<div data-bbox="87 1083 477 1338" data-label="Text"> <p>RECEIVED OCT 26 1982 U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.</p> </div>	<div data-bbox="574 1115 948 1391" data-label="Text"> <p>RECEIVED FEB 1983 OIL CON. DIV. DIST. 3</p> </div>	Sec.
		13
		<div data-bbox="721 1817 964 1987" data-label="Text"> <p>1790' 970'</p> </div>

Scale: 1"=1000'

CERTIFICATION

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

R. A. Downey
Name

R. A. DOWNEY

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

SEPTEMBER 11, 1980

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.

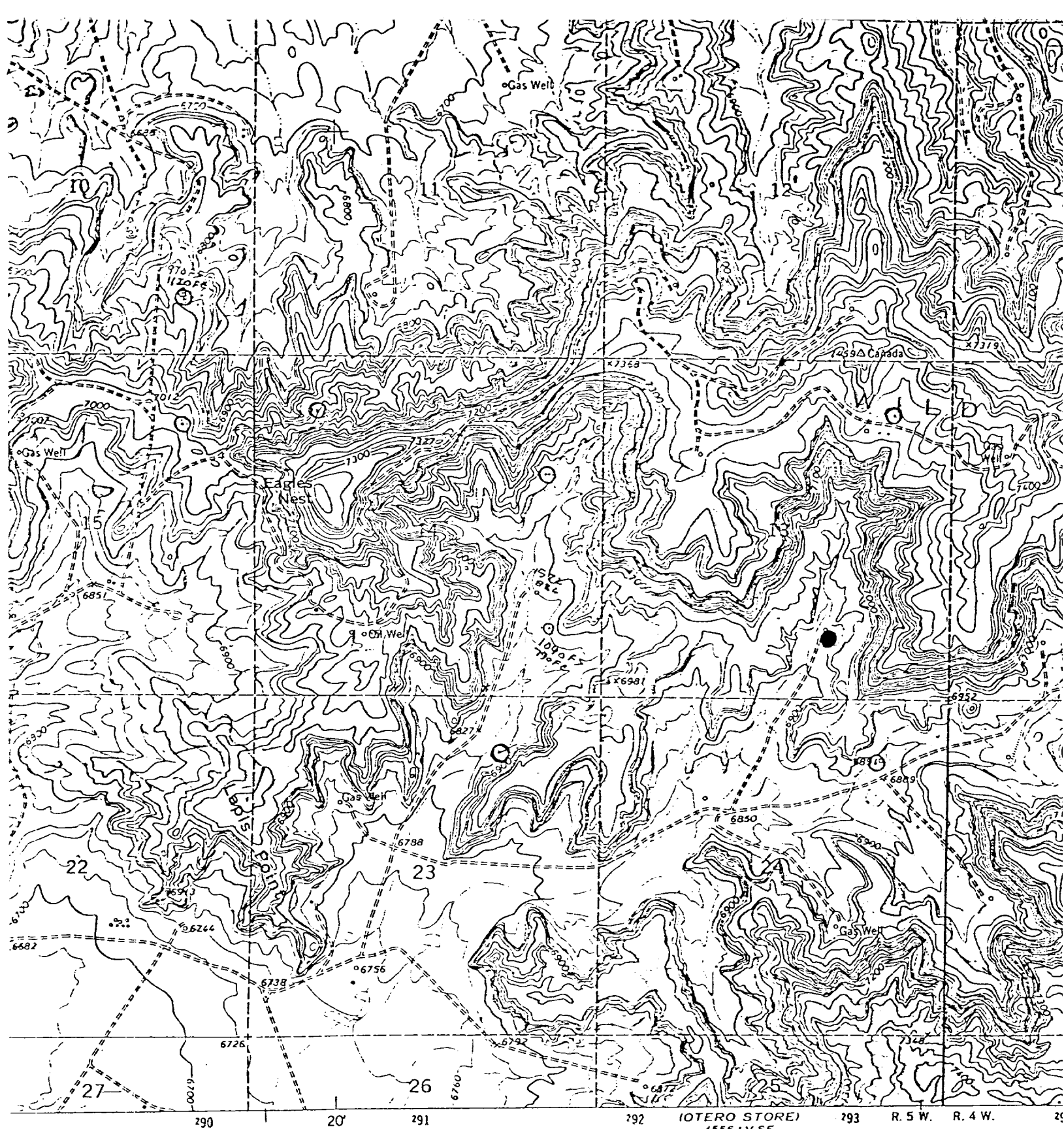
Date Surveyed: **July 30, 1980**

Registered Professional Engineer and Land Surveyor

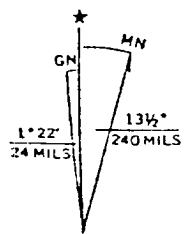
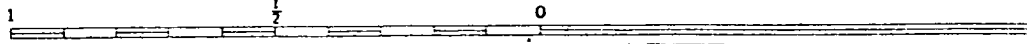
Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. **4458**

3950



SCALE 1:24 000



Vicinity Map for
 AMOCO PRODUCTION CO. #28 JICARILLA CONTRACT 148
 970'FSL 1790'FEL Sec. 13-T25N-R5W
 RIO ARriba COUNTY, NEW MEXICO

UTM GRID AND 1963 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS