Form 9-331 C
(May 1963)

RECEIVED
JUL 13 1983
OIL CON. DIV.
DIST. 3

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-039-23257

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [XX] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Amoco Production Company

3. ADDRESS OF OPERATOR: 501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 330' FSL x 2310' FWL
At proposed prod. zone: same

5. LEASE DESIGNATION AND SERIAL NO.: Jicarilla Contract 125

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Jicarilla Apache Tribal 125

9. WELL NO.: 12

10. FIELD AND POOL, OR WILDCAT: West Lindrith Gallup Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SE/SW, Section 25, T25N, R4W

12. COUNTY OR PARISH: Rio Arriba

13. STATE: New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 9 miles northwest of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 3290'

16. NO. OF ACRES IN LEASE: 2560

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.: 2690'

19. PROPOSED DEPTH: 8140'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 7202 ~~7276~~ GL

22. APPROX. DATE WORK WILL START*: As soon as permitted.

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS

This action is subject to administrative appeal pursuant to 30 CFR 290.

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# K-55	300'	354 cu. ft. Class "B" w/2% CaCl2- circ.
7-7/8	5-1/2" (NEW)	15.5# K-55	8140'	Stage 1 - 273 cu. ft. Class "B" w/50:50 POZ, 6% gel, 2# med tuf plug/sx, and 0.8% FLA. Tail in w/ 118 cu. ft. Class "B" neat - circ. Stage 2 - 891 cu. ft. Class "B" w/ 65:35 POZ, 6% gel, 2# med tuf plug/ sx, and 0.8% FLA. Tail in w/118 cu ft. Class "B" neat - circ.

DV tool set at 5880'.

Amoco proposes to drill the above well to further develop the Gallup-Dakota reservoir. 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 non-dispersed mud system. Completion design will be based on open hole logs. Copies of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preveneter design.

Upon completion, the well location will be cleaned and the reserve pit filled and leveled.

Gas produced from this well is dedicated to Gas Company of New Mexico under contract No. 40,825.

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 _____ TITLE District Engineer DATE 4/28/83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED AS AMENDED
DATE JUL 11 1983
JAMES F. SIMS
DISTRICT ENGINEER

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

OIL 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.

Operator	Lease	Well No.
AMOCO PRODUCTION COMPANY	JICARILLA APACHE TRIBAL 125	12

Unit Letter	Section	Township	Range	County
N	25	25N	4W	Rio Arriba

Actual Footage Location of Well:
330 feet from the South line and 2310 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
7202	Gallup-Dakota	West Lindreth Gallup-Dakota E.	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).

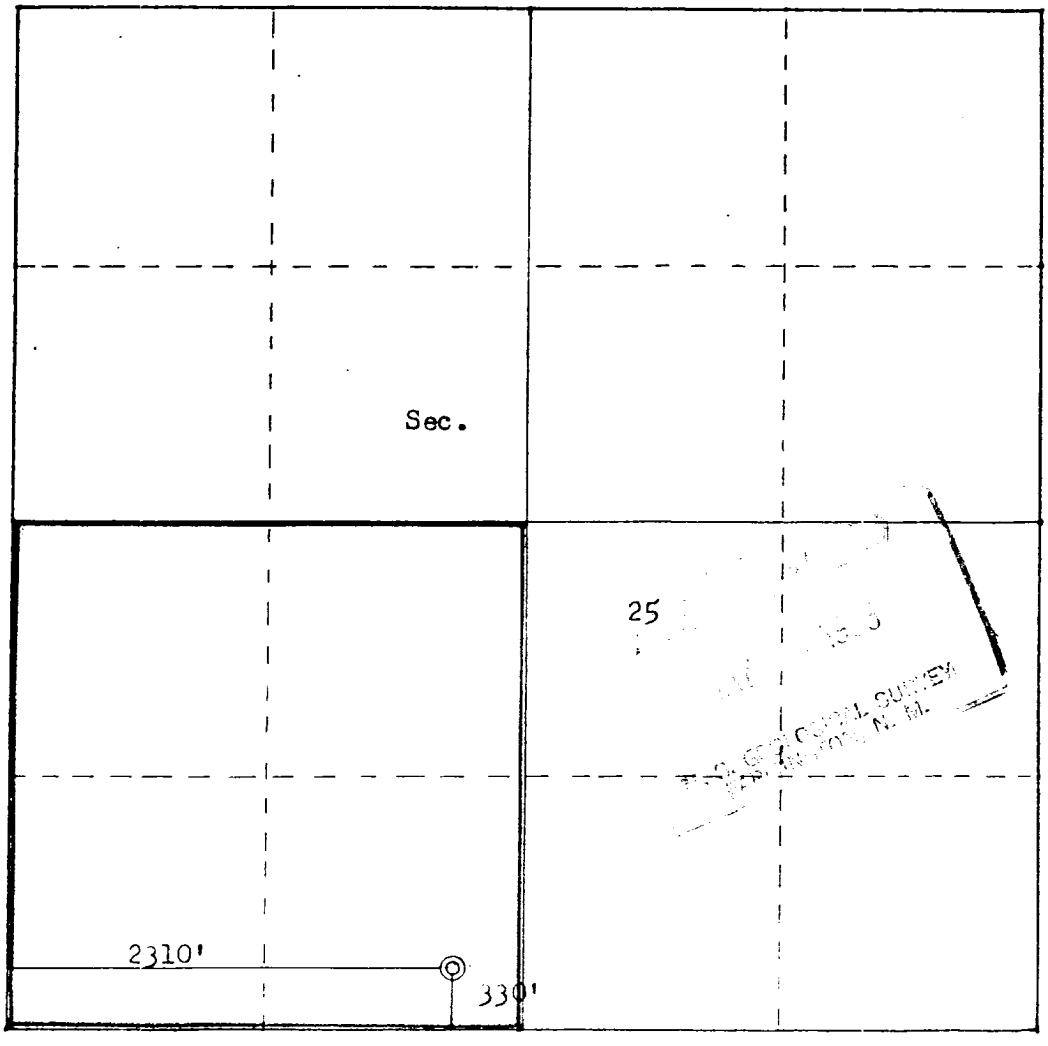
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ 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.

RECEIVED
JUL 13 1983
OIL CON. DIV.
DIST. 3



CERTIFICATION

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

Dale H. Shoemaker

Name: Dale H. Shoemaker

Position: District Engineer

Company: Amoco Production Company

Date: 5-5-83

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
April 27, 1983

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.

Certificate No.

SUPPLEMENTAL INFORMATION TO FORM 9-331C

Jicarilla Apache Tribal 125 No. 12
339' FSL x 2310' FWL, Section 25, T25N, R4W
Rio Arriba County, NM

The geologic name of the surface formation is the Tertiary San Jose.

Estimated tops of important potential hydrocarbon bearing formations:

FORMATION	DEPTH	ELEVATION
Pictured Cliffs	3595 '	3694'
Mesaverde	5265 '	2024'
Gallup	6375 '	414'
Dakota	7750 '	-461'
	'	'
TD	8140 '	-851

Estimated KB elevation: 7215' ~~7289~~'.

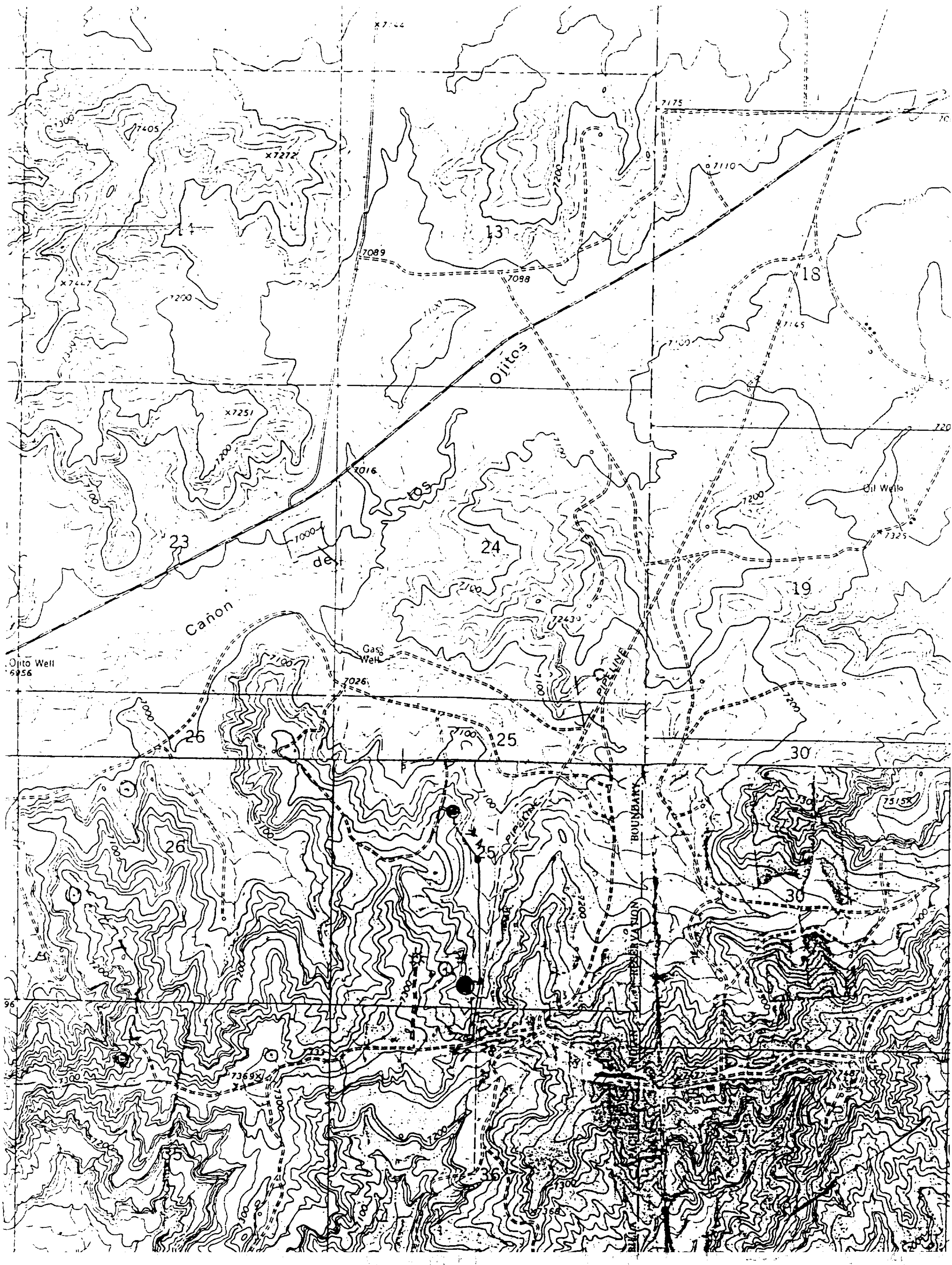
Drilling fluid to TD will be a low solids non-dispersed mud system. Open hole logging program will include logs from TD to below surface casing:

FDC-CNL-GR, DIL-SP-GR

Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).



x7405
x7272
x7447
7089
7098
7110
7175
13
18
Ojitos
los
de
Cañon
x7251
7016
23
24
19
7243
7325
Oil Wells
Ojito Well
6956
Gas Well
7026
PIPELINE
26
25
30
BOUNDARY
RESERVATION
7315
7369
36