

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Oxoco Production Co.

3. ADDRESS OF OPERATOR

P.O.Box 244, Farmington, N.M. 87401

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

At surface

1560' fN1, 830' fE1

At proposed prod. zone

Same

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

19 mi. NNE of Navajo Dam

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

830 ft.

16. NO. OF ACRES IN LEASE

271.65

17. NO. OF ACRES ASSIGNED
TO THIS WELL

271.65 *

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

PBDT 7597'

20. ROTARY OR CABLE TOOLS

Rotary

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

6720' Gr.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START*

April 15, 1983

23. Existing ~~GENERAL REQUIREMENTS~~ ~~PERFORATE CASING AND CEMENTING PROGRAM~~This action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	10 3/4"	40.5	288'	375 sacks
9 7/8"	7 5/8"	24.6	3,944'	375 sacks
6 3/4"	4 1/2"	11.6 & 10.5	7,559'	566 sacks

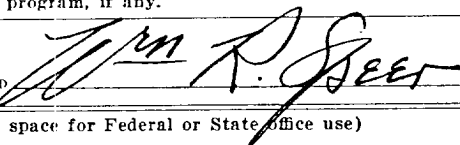
Also squeezed perfs: @6800' with 166 sx., @5650' with 75 sx., @4200 with 75 sx.

Operator proposes to move completion unit onto location, install B.O.P. and pull 2 3/8" tbg. out of hole. Set retrievable bridge plug at base of 4 1/2" csg. @ 7555'. Test casing and plug to 3000 psi. Run cement bond log and correlation gamma-ray log across Mesaverde fm. from 5450' to 7000'. Perforate Point Lookout with 40 holes from 5990' to 6135' approximately. Acidize perfs with 2500 gal. 7 1/2% HCl and sand/water fracture with 91,000 gal. KCl water & 99,625 lbs. 20/40 sand. Set retrievable bridging plug at + 5950' and test csg. to 3000 psi. Perforate Cliff House-Menefee zones with 34 holes @ 5697-5707, 5722-27', 5756-5793 and 5816-24'. Acidize with 2550 gal. 7 1/2% HCl and sand/water fracture with 57,000 gal. KCl water and 63,000 lb. 20/40 sand. Retrieve bridge plug at 5950', flow and clean out well & test. Depending upon test data will (a) produce Gallup and Mesaverde independently thru 2 tubing strings, or (b) co-mingle Gallup & MV production or (c) abandon either non-commercial zones by cementing off

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 Agent

DATE Feb. 25, 1983

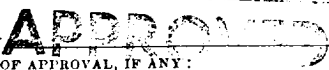
(This space for Federal or State office use)

State approval required to co-mingle

PERMIT NO.

APPROVAL DATE

APPROVED BY



TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

* Drilling and completion unit provided for in NMOCD Order R-3817

JAMES F. SIMS
DISTRICT ENGINEER

NMOCC