

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. NM-36486																
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																
2. NAME OF OPERATOR SUNDANCE OIL COMPANY		7. UNIT AGREEMENT NAME																
3. ADDRESS OF OPERATOR Suite 510, 1776 Lincoln St., Denver, CO 80203		8. FARM OR LEASE NAME U.S.G.S.																
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 660' FSL, 620' FWL, Unit M At proposed prod. zone Same		9. WELL NO. 1																
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 1/2 miles south of Kenna, New Mexico		10. FIELD AND POOL, OR WILDCAT Tomahawk, San Andres																
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 620		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW SW Section 31, T.7S., R.32E.																
16. NO. OF ACRES IN LEASE 77.57		12. COUNTY OR PARISH Roosevelt																
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE New Mexico																
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1280		19. PROPOSED DEPTH 4350																
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* July 1, 1980																
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 4402.2' GL		23. PROPOSED CASING AND CEMENTING PROGRAM																
<table border="1"><thead><tr><th>SIZE OF HOLE</th><th>SIZE OF CASING</th><th>WEIGHT PER FOOT</th><th>SETTING DEPTH</th><th>QUANTITY OF CEMENT</th></tr></thead><tbody><tr><td>12 1/4"</td><td>8 5/8"</td><td>24</td><td>1800</td><td>400 sx, circulated</td></tr><tr><td>7 7/8"</td><td>4 1/2"</td><td>10.5</td><td>4350</td><td>300 sx</td></tr></tbody></table>				SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	12 1/4"	8 5/8"	24	1800	400 sx, circulated	7 7/8"	4 1/2"	10.5	4350	300 sx
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Well will be drilled to total depth and evaluated by running logs and drill stem tests when necessary. Casing will be run when logs and DST's indicate possible commercial production.

RECEIVED

MAY 15 1980

U.S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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 Richard O. Dimit TITLE Vice President, Production DATE May 12, 1980
(This space for Federal or State office use)

PERMIT NO.	APPROVAL DATE
APPROVED BY <u>APPROVED</u> CONDITIONS OF APPROVAL, IF ANY: JUN 3 1980 DISTRICT SUPERVISOR	TITLE _____ DATE _____

*See Instructions On Reverse Side