

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. 3 12 12 12 12		
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 checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR SOLAR OIL COMPANY		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P. O. Box 5114, Midland, Texas		8. FARM OR LEASE NAME Sims Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660 FNL & 660 FEL At proposed prod. zone 660 FNL & 660 FEL		9. WELL NO. 4		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Undesignated		
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 7-22S-38E		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320		12. COUNTY OR PARISH Lea		
16. NO. OF ACRES IN LEASE 160		13. STATE New Mexico		
19. PROPOSED DEPTH 7400'		17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3358.0		20. ROTARY OR CABLE TOOLS Rotary		
22. APPROX. DATE WORK WILL START* January 27, 1968				
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3#	850	325 sx circ.
8-3/4"	7"	23# & 26#	7400'	550 sx

It is proposed to drill a well to a depth sufficient to test the Abo, estimated at 7400'.

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 M. J. Smith TITLE Production Clerk DATE December 4, 1968
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

DEC 10 1968

*See Instructions On Reverse Side
L. GORDON
ACTING DISTRICT ENGINEER

**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.

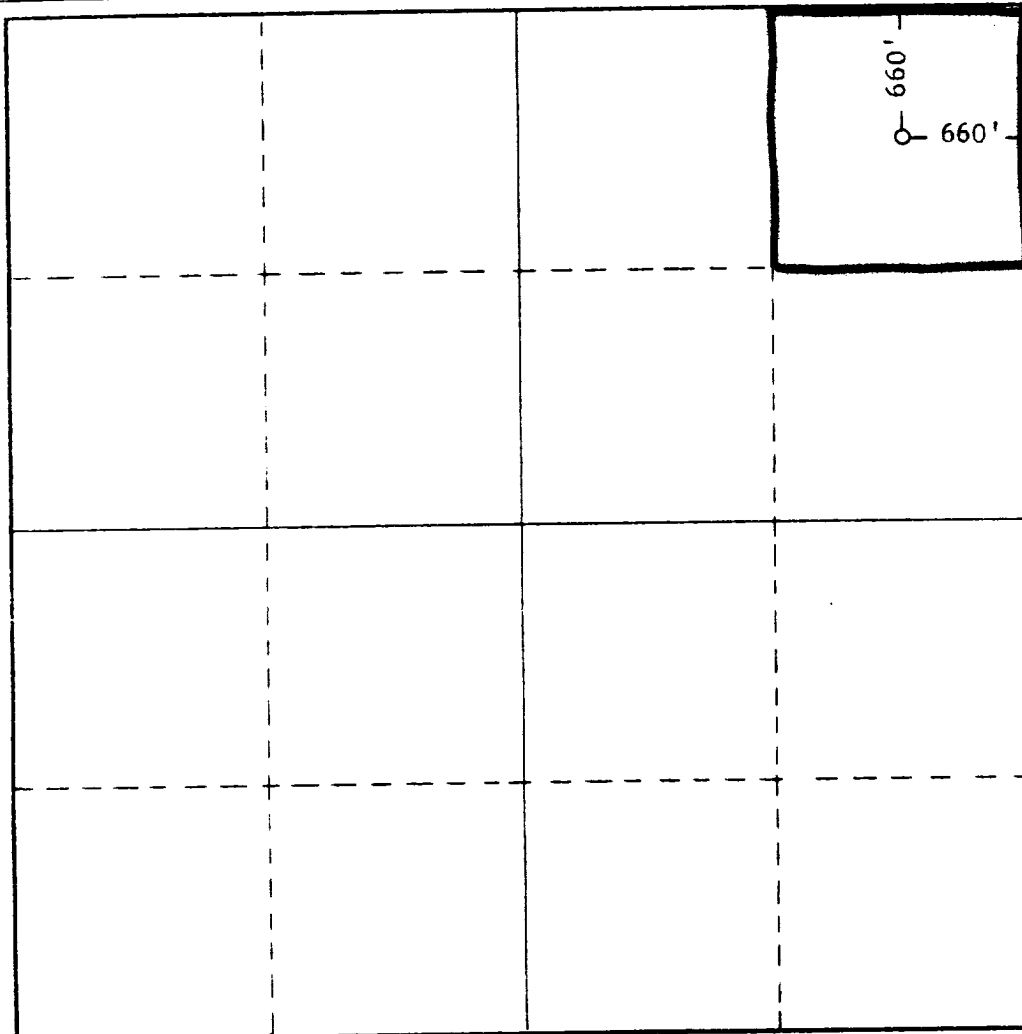
Operator SOLAR OIL XXXXX Company			Lease DEC 17 10 50 AM '68 SIMS FEDERAL		Well No. 4
Tract Letter A	Section 7	Township 22 SOUTH	Range 38 EAST	County LEA	
Actual Footage Location of Well:					
660 feet from the NORTH line and		660 feet from the EAST line			
Ground Level Elev. 3359.0	Producing Formation Abo	Pool Undesignated		Dedicated Acreage: 40 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.



CERTIFICATION

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

Name *M. J. Smith*
 Position Production Clerk
 Company Solar Oil Company
 Date December 4, 1968

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
11-27-1968

Registered Professional Engineer
and/or Land Surveyor

John W. West
 Certificate No. **676**



COUNTY LEA FIELD Wantz STATE NM 30-025-22919
 OPR SOLAR OIL CO. MAP
 4 Sims Federal
 Sec 7, T-22-S, R-38-E CO-ORD
 660' FNL, 660' FEL of Sec.

Spd 12-28-68	CLASS				EL
Cmp 2-3-69	FORMATION	DATUM	FORMATION	DATUM	
CSG & SX - TUBING 9 5/8" at 860' w/500 sx 7" at 7555' w/650 sx					
LOGS EL GR RA IND HC A					
	TD 7555'; PBD 7521'				

IP (Abo) Perfs 7150-7470' P 12 BOPD + 10 BW. Pot based on
 24 hr test.

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CONT. Coral PROP DEPTH 7400' TYPE
 DATE

F.R. 12-26-68; Opr's Elev. 3358' GL
 PD 7400' (Abo)
 Contractor - Coral
 8-7-69 AMEND FIELD NAME, Formerly reported as
 Undesignated.
 1-6-69 Drlg. 5345'; Tight
 1-13-69 Drlg. 7455'
 1-21-69 TD 7555'; WOC; Tight
 1-27-69 TD 7555'; Tight (Final posting until complete)
 7-29-69 TD 7555'; PBD 7521'; Complete (Hold for
 information)
 8-4-69 TD 7555'; PBD 7521'; COMPLETE
 Perf 7394-7470' w/13 shots (overall)
 Acid (7394-7470') 5500 gals (15%) + 4000 gals
 (28%)

8-4-69

Continued

Perf 7185-7370' w/20 shots (overall)
Acid (7185-7370') 8000 gals (15%) + 6000 gals
(28%)
Perf 7150-7201' w/8 shots (overall)
Acid (7150-7201') 5000 gals (15%) + 4000 gals
(28%)
Perf 6268-6388' w/14 shots (overall)
Acid (6268-6388') 1500 gals (15%)
Perf 6122-6225' w/14 shots (overall)
Acid (6122-6225') 1800 gals (15%)
Frac (6122-6225') 40,000 gals brine wtr +
74,500# sd
Perf 6018-6092' w/10 shots (overall)

8-4-69

Continued

Acid (6018-92') 1000 gals
Frac (6018-92') 20,000 gals brine wtr +
37,000# sd
Perf 5882-5985' w/19 shots (overall)
Acid (5882-5985') 2000 gals
Frac (5882-5985') 40,000 gals brine wtr +
80,000# sd
Perfs 5882-6388', Packed Off
Well Drilled Tight
LOG TOPS: Anhydrite 1447', Base Salt 2684',
Yates 2853', Seven Rivers 3112', Queen 3682',
Grayburg 3853', San Andres 4282', Glorieta
5487', Blinbry 5857', Tubb 6438', Drinkard
6600', Abo 7132'
COMPLETION REPORTED

8-7-69