

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-25780

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  
Solar Petroleum, Inc.

3. ADDRESS OF OPERATOR  
999 18th St., #1300, Denver, CO 80202

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

At proposed prod. zone 1330' FSL & 10' FWL

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

12 miles NE of Shiprock, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)  
1330'  
10'

16. NO. OF ACRES IN LEASE  
2560

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
850'

19. PROPOSED DEPTH  
875'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5192' GR  
DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

23. GENERAL REQUIREMENTS  
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	23#	90'
7-7/8"	5-1/2"	15.5#	850'

20. ROTARY OR CABLE TOOLS  
Rotary  
22. APPROX. DATE WORK WILL START\*  
July 1, 1983  
QUANTITY OF CEMENT  
70 sx (84 cu. ft.)  
125 sx (150 cu. ft.)

Drill 7-7/8" hole to just above Gallup sand, set 5-1/2" casing  
Drill pay with clear brine, log and complete open hole.

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OIL CON. DIV.  
DIST. 3

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 [Signature] TITLE Agent DATE May 20, 1983  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Trans with #13  
ASL 1710  
ok

APPROVED  
AS AMENDED  
JUL 25 1983  
[Signature]  
for Area Mgr.

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
OIL AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

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

Operator <b>SOLAR PETROLEUM, INCORPORATED</b>			Lease <b>NAVAJO TRIBE OF INDIANS "F"</b>		Well No. <b>166</b>
Unit Letter <b>L</b>	Section <b>10</b>	Township <b>31N</b>	Range <b>17W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1330</b> feet from the <b>South</b> line and <b>10</b> feet from the <b>West</b> line					
Ground Level Elev: <b>5192</b>	Producing Formation <b>Gallup</b>		Pool <b>Horseshoe Gallup</b>		Dedicated Acreage: <b>40</b> Acres <small>30.00 + with F139</small>

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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?

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☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_ **OIL CON. DIV.**  
If answer is "no," list the owners and tract descriptions which have actually been consolidated. **DIST. 3**  
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.

		<p><b>RECEIVED</b> JUN 6 1983 U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.</p>
		<p>Sec. 10</p>

Scale: 1"=1000'

## CERTIFICATION

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

Name *J. Ellender*  
Position **Agent**  
Company **SOLAR PETROLEUM, INC.**  
Date **May 20, 1983**

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 **May 2, 1983**  
Registered Professional Engineer and Land Surveyor  
*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**  
Certificate No. **3950**

