

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

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 10' FNL &amp; 1330' FEL

## 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)

3950'

10'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

900'

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

5237' Gr

## 23.

DRILLING OPERATIONS AUTHORIZED AND  
SUBJECT TO COMPLIANCE WITH ALL  
GENERAL REQUIREMENTS  
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"	23#	90'	70 sx (84 cu. ft.)
7-7/8"	5-1/2"	15.5#	980'	125 sx (150 cu. ft.)

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

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JUL 27 1983

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

TITLE

Agent

DATE May 20, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED  
AS AMENDED

DATE

JUL 25 1983

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

  
For Crea Mgr.

AMCCB

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 <b>SOLAR PETROLEUM, INCORPORATED</b>		Lease <b>NAVAJO TRIBE OF INDIANS "F"</b>		Well No. <b>161</b>
Unit Letter <b>B</b>	Section <b>9</b>	Township <b>31N</b>	Range <b>17W</b>	County <b>San Juan</b>
Actual Footage Location of Well:				
<b>10</b>	feet from the <b>North</b>		line and <b>1330</b>	feet from the <b>East</b>
Ground Level Elev: <b>5237</b>	Producing Formation <b>Gallup</b>		Pool <b>Horseshoe Gallup</b>	Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

10'

1330'

Sec.

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JUN 3 1963

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

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 \_\_\_\_\_

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 3, 1983

Registered Professional Engineer  
and Land Surveyor

Fred B. Kery Jr

Certificate No. 4

3950

