

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(Other instructions on  
reverse side)

Copy to SF

30-015-20240

5. LEASE DESIGNATION AND SERIAL NO.  
NM 04686-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Harben Federal

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
Indian Basin Morrow  
Undesignated

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 13, T-21-S, R-23-E

12. COUNTY OR PARISH  
Eddy

13. STATE  
N.M.

## 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 OIL COMPANY

## 3. ADDRESS OF OPERATOR

P.O. Box 5596, Midland, Texas 79701

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

At surface

1650 FSL &amp; 1650 FWL

At proposed prod. zone

Same

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

9 SW of Seven Rivers, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

1650

## 16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

640

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

first well

## 19. PROPOSED DEPTH

9,500'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3815 GR

## 22. APPROX. DATE WORK WILL START\*

7-14-69

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17-1/2"      | 13-3/8"        | 60#             | 200'          | 200 sx Circ.       |
| 12-1/4"      | 8-5/8"         | 32#             | 2400'         | 750 sx Circ.       |
| 7-7/8"       | 5-1/2"         | 17#             | T.D.          | 1000               |

It is proposed to drill a well to a depth sufficient to  
test the Morrow formation, approximately 9500 feet.

RECEIVED

JUL 15 1969

G. C. C.  
ACTING DISTRICT ENGINEERRECEIVED  
JUL 11 1969  
U. S. GEOLOGICAL SURVEY  
MIDLAND, 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

TITLE

Production Clerk

DATE

July 9, 1969

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

DECLARED WATER BASIN

DATE

8/3/69

CEMENT BENTONITE

CASING

8/8/69

NOTIFY USGS IN SUFFICIENT TIME TO  
WITNESS CEMENTING THE CASING.APPROVED  
JUL 11 1969  
R. L. BECKMAN  
ACTING DISTRICT ENGINEERTHIS APPROVAL IS REVOKED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS  
EXPIRES OCT 14 1969

\*See Instructions On Reverse Side

**N. MEXICO OIL CONSERVATION COMMISS.**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
 Supersedes C-128  
 Effective 1-4-65

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

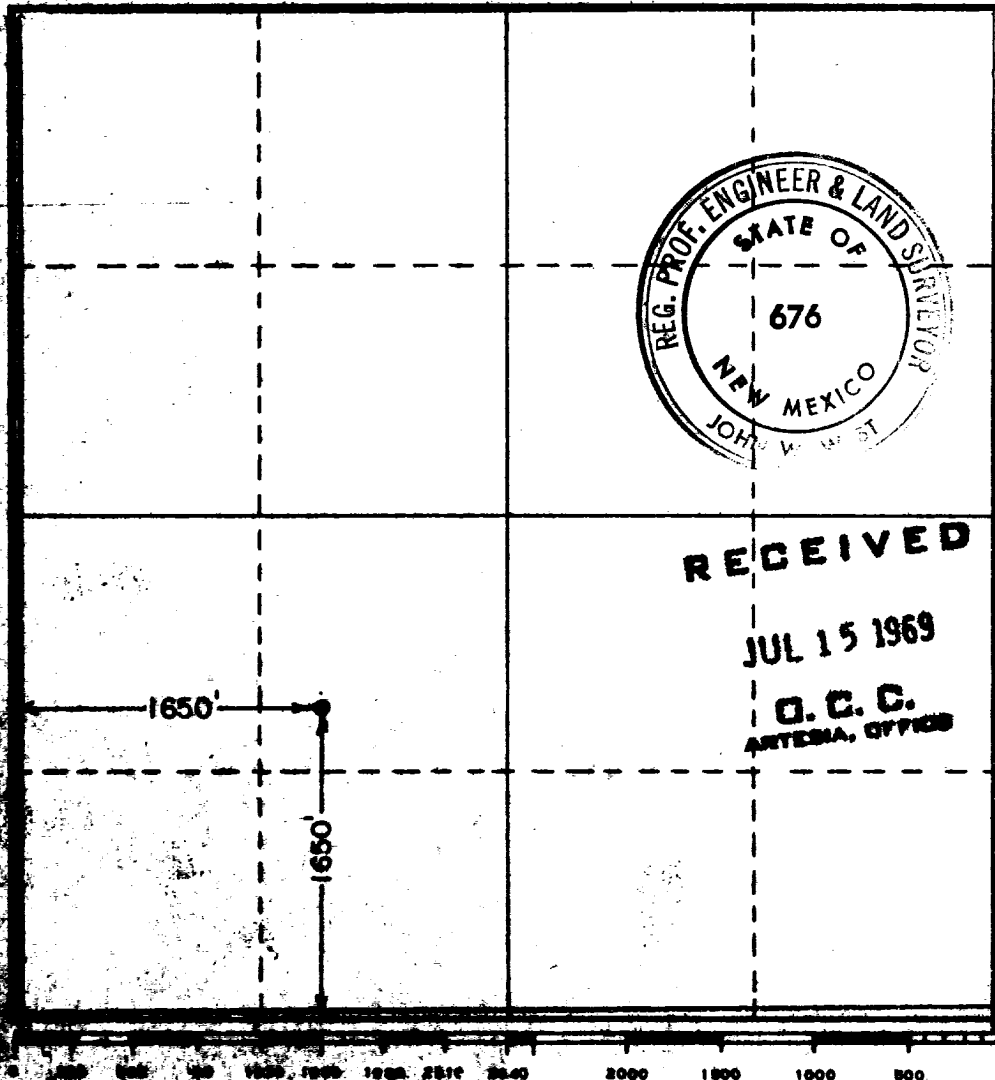
|  |                                      |   |                                |                                       |                      |
|--|--------------------------------------|---|--------------------------------|---------------------------------------|----------------------|
| Owner<br><b>SOLAR OIL COMPANY</b>  |                                      |   | Lease<br><b>HARBEN FEDERAL</b> |                                       | Well No.<br><b>1</b> |
| Section<br><b>K</b>  | Range<br><b>13</b>                   | Township<br><b>21 SOUTH</b>                               | Range<br><b>23 EAST</b>        | County<br><b>EDDY</b>                 |                      |
| Section Corner Location of Well:<br>1650 feet from the <b>SOUTH</b> line and 1650 feet from the <b>WEST</b> line |                                      |   |                                |                                       |                      |
| Section Corner Elev.<br><b>3819.0</b>  | Producing Formation<br><b>MORROW</b> | Pool<br><i>Indian Basin Monson</i><br><b>UNDESIGNATED</b> |                                | Dedicated Acreage<br><b>640</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.



**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  
**JULY 8, 1969**

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  
**JULY 3, 1969**

Registered Professional Engineer and/or Land Surveyor

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

DATE 71

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1971 11 11

11 11 11

11 11 11