

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-25771

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' FNL & 2630' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12 miles N-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'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5305' GR

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#	1117'

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-603-2034

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Navajo "F"

9. WELL NO.
 158

10. FIELD AND POOL, OR WILDCAT
 Horseshoe Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 4, T31N, R17W

12. COUNTY OR PARISH 13. STATE
 San Juan New Mexico

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 FARMINGTON, N.M.

16. NO. OF ACRES IN LEASE
 2560' S.

19. PROPOSED DEPTH
 1150'

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START*
 July 1, 1983

This action is subject to administrative appeal pursuant to 30 CFR 250.

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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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 Joe Eldredge 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:

Joint with #124
 NGL 1210 sk 2

APPROVED AS AMENDED

JUL 25 1983
 R. Bringham
 For Allen Mgr.

44003

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Operator: SOLAR PETROLEUM, INCORPORATED		Lease: NAVAJO TRIBE OF INDIANS "F"		Well No. 158	
Unit Letter: F	Section: 4	Township: 31N	Range: 17W	County: San Juan	
Actual Footage Location of Well: 1330 feet from the North line and 2630 feet from the West line					
Ground Level Elev.: 5305	Producing Formation: Gallup		Pool: Horseshoe Gallup	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 (or consolidation) 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?

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DIST. 3

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.

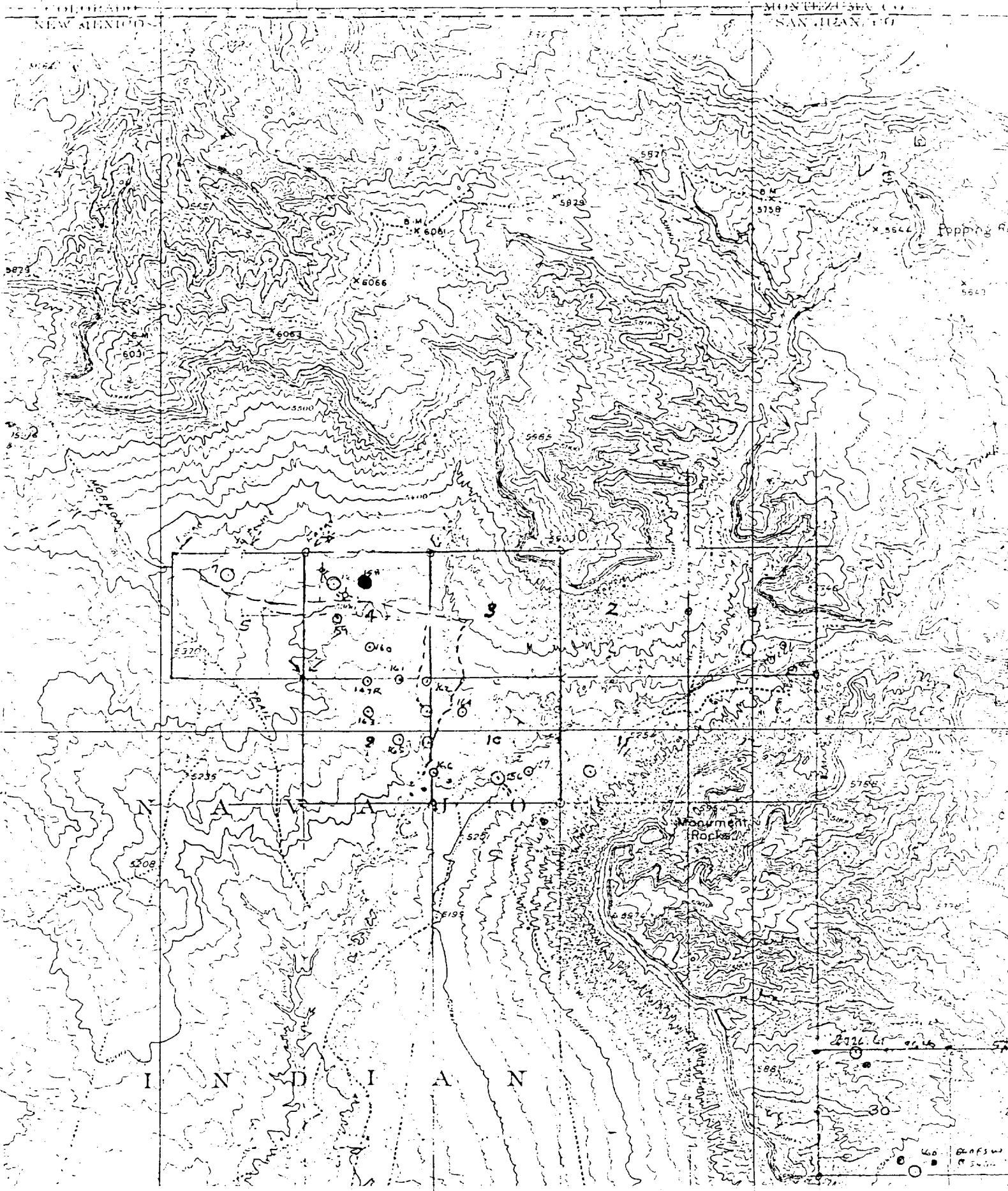


Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>Joe Elledge</i>
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	<i>Fred B. Kern Jr.</i> Fred B. Kern Jr.
Certificate No.	3950

COLORADO
NEW MEXICO

MONTREZUMA CO.
SAN JUAN CO.





STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
 OIL CONSERVATION DIVISION

June 16, 1983

will file

TONY ANAYA
 GOVERNOR

POST OFFICE BOX 2088
 STATE LAND OFFICE BUILDING
 SANTA FE, NEW MEXICO 87501
 (505) 827-5800

Mr. Joe Elledge
 Oil and Gas Property Management
 200 West 25th Street
 Farmington, New Mexico 87401

Administrative Order NSL-1710

Gentlemen:

Reference is made to your application on behalf of Solar Petroleum, Inc. for eleven non-standard locations in the Horseshoe Gallup Pool, San Juan County, New Mexico, as follows:

Navajo "F" Well No. 158
 1330' FNL and 2630' FWL
 Unit G, Section 4;

Navajo "F" Well No. 161
 10' FNL and 1330' FEL
 Unit B, Section 9;

Navajo "F" Well No. 159
 2630' FSL and 1330' FWL
 Unit K, Section 4

Navajo "F" Well No. 162
 10' FNL and 10' FEL
 Unit A, Section 9

Navajo "F" Well No. 160
 1310' FSL and 2630' FWL
 Unit N, Section 4

Navajo "F" Well No. 163
 1310' FNL and 2600' FWL
 Unit C, Section 9

Navajo "F" Well No. 164
 1330' FNL and 1310' FWL
 Unit E, Section 10

Navajo "F" Well No. 167
 1310' FSL and 1330' FEL
 Unit O, Section 10

Navajo "F" Well No. 165
 2600' FNL and 1287' FEL
 Unit L, Section 9

Navajo "F" Well No. 147R
 80' FNL and 2600' FEL
 Unit B, Section 9

Navajo "F" Well No. 166
 1330' FSL and 10' FWL
 Unit L, Section 10

all in Township 31 North, Range 17 West.

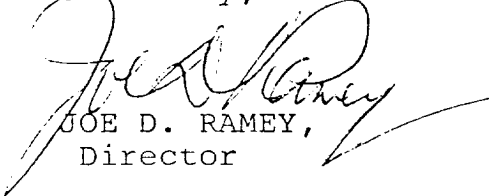
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OIL CON. DIV.
 DIST. 3

By authority granted me under the provisions of Rule 104 F of the Division Rules and Regulations, the above-described unorthodox locations are hereby approved.

Sincerely,


JOE D. RAMEY,
Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs
Minerals Management Service - Farmington

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OIL CON. DIV.
DIST. 3



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 6-9-83

orig. in # 147R

- RE: Proposed MC _____
- Proposed DHC _____
- Proposed NSL _____ ✓
- Proposed SWD _____
- Proposed WFX _____
- Proposed PHX _____

Gentlemen:

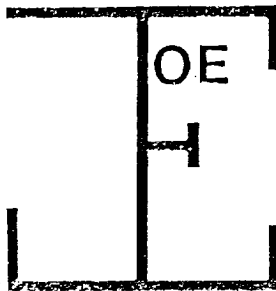
I have examined the application dated 6-6-83
 for the Solar Petroleum Corp Navajo Tribe of Indians F secs 49, 10-310-174
 Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve wells 147R, 150, 159, 160, 161, 162, 163, 164, 165, 166,
and 167 ✓

Yours truly,

John A. Elmister
 JUE



200 West 25th Street
Farmington, New Mexico 87401
(505) 327-9267
(505) 325-1873 (Car 2893)

ELLEDGE

OIL and GAS PROPERTY MANAGEMENT

Mr. R. L. Stamets
State of New Mexico
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

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JUN 6 1983

OIL CON. DIV.
DIST. 3

Re: Non-Standard Locations in the
Horseshoe Gallup Pool
Sections 4, 9, and 10, T31N, R17W
San Juan County, New Mexico

Dear Mr. Stamets:

Solar Petroleum, Inc. proposes to drill eleven non-standard oil wells to the Gallup sand on the Navajo Tribe of Indians Reservation as shown on the enclosed plat and listed on the enclosed application.

These proposed non-standard locations will maximize oil production and are located within a waterflood licensed by the State of New Mexico.

Yours truly,

Joe Elledge

Agent - Solar Petroleum, Inc.

JE:en

Attachments (2)

cc: Dave Cushman, Solar Petroleum, Inc.
Jeff Edmister, Oil Conservation Division

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2048
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

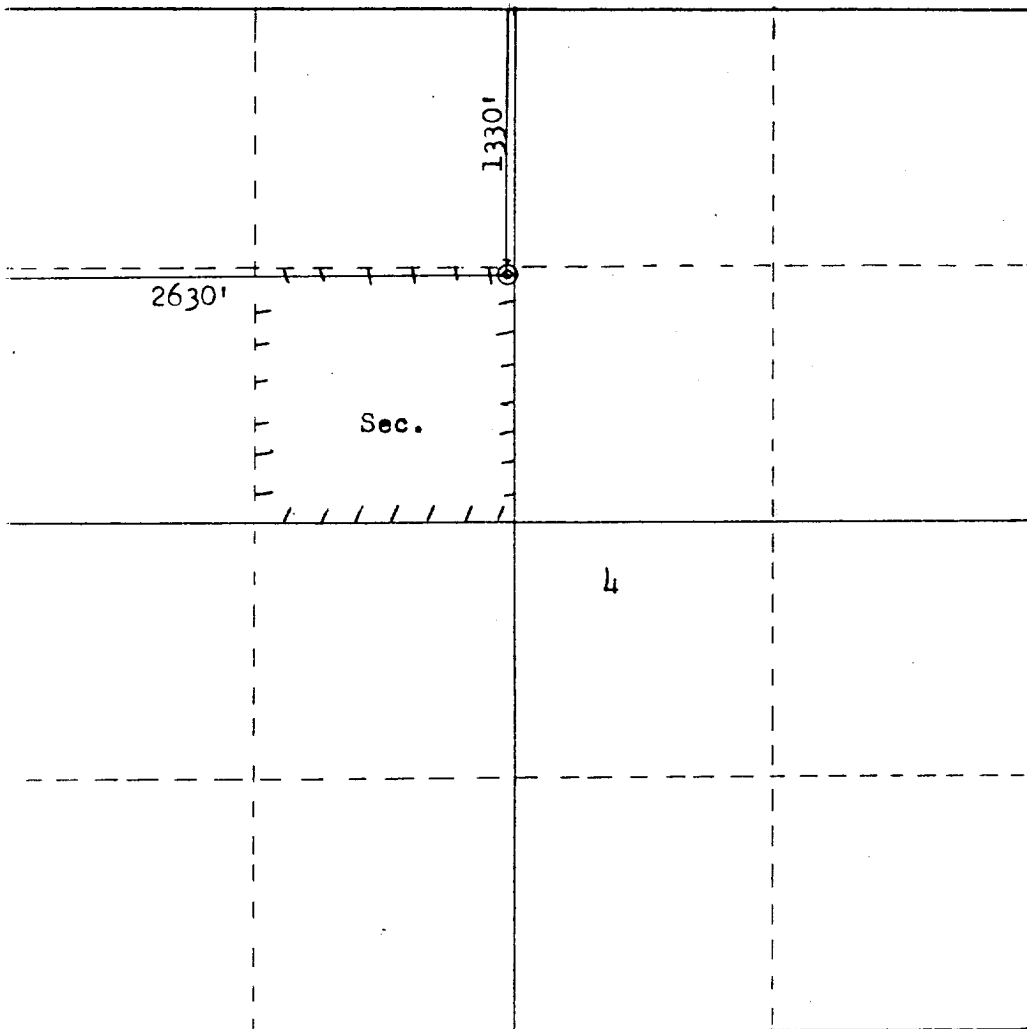
Operator SOLAR PETROLEUM, INCORPORATED			Lease NAVAJO TRIBE OF INDIANS "F"		Well No. 158
Unit Letter F	Section 4	Township 31N	Range 17W	County San Juan	
Actual Footage Location of Well:					
1330 feet from the North line and		2630 feet from the West line			
Ground Level Elev. 5305	Producing Formation Gallup	Pool Horseshoe Gallup	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.



Scale: 1"=1000'

CERTIFICATION
<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
Name <i>[Signature]</i>
Position Agent
Company Solar Petroleum, Inc.
Date May 20, 1983
<i>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.</i>
Date Surveyed May 3, 1983
Registered Professional Engineer and Land Surveyor <i>[Signature]</i> Fred B. Kerr Jr.
Certificate No. 3950

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

6. LEASE DESIGNATION AND SERIAL NO.

14-20-603-2034

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME

Navajo Tribe of Indians 'F'

10. WELL NO.

158

11. FIELD AND POOL, OR WILDCAT

Horseshoe Gallup

12. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

4-31N-17W

13. COUNTY OR PARISH

San Juan

14. STATE

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
SOLAR PETROLEUM, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1330' FNL & 2630' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5305' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

SPUD

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above well was SPUDDED @ 1:30pm, 8/8/83. The U.S.G.S. was contacted on spud.

8/8/83 86' (86') WOC. SPUD @ 1:30pm, 8/8/83. Drld 12 1/4" hole to 86'KB. Rn 2 jts 8-5/8" K-55 24# csg w/ HOWCO guide shoe & 1 centralizer 10' above shoe. Set csg @ 86'KB. Preceded cmt w/ 8 BW. Cmt w/ (82.64) 70 sx Class 'B' w/ 2% CaCl₂ & 1/4#/sx flocele. Displ w/ 4.75 BW. Good returns thruout, cmt circ.

The contractor is J.C. Well Service, Farmington, NM

well name change from Navajo F #158

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AUG 22 1983

OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

Sherwin Artus
Sherwin Artus

TITLE

Vice President

ACCEPTED FOR RECORD

August 9, 1983

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE
AUG 19 1983

*See Instructions on Reverse Side

NMOCC

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO
BY *gmm*