

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

One Denver Place, Suite 1000

4. LOCATION OF WELL (Report location clearly and

At surface

1310' FNL, 1330' FBL

At proposed prod. zone 1170' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST

15 miles NE of Shiprock

15. DISTANCE FROM PROPOSED*

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

18. DISTANCE FROM PROPOSED LOCATION*

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

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

5297 G.L. 5310

23.

SIZE OF HOLE	SIZE OF CASING
12 1/4	8 5/8
6 3/4	4 1/2

DRILLING AND CEMENTING PROGRAM

DEPTH	SETTING DEPTH
60'	
1140'	

Propose to drill
fracture the Gallup
will be used for blow
operation daily.

run mechanical log
A BOP as per the
vention. It will be



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 directly give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. *[Signature]*

TITLE Agent

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Hold C104 for NSL

sh2

NMOCC

30-045-25413

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-2034

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. AGREEMENT NAME

8. FARM OR LEASE NAME

9. NAME OF WELL

10. FIELD AND POOL, OR INDICATE

11. SEC. T. R. M. OR BLM.

12. COUNTY OR PARISH

13. STATE

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED

20. ROYALTY OR CABLE TOOLS

21. APPROX. DATE WORK WILL START

22. QUANTITY OF CEMENT

23. QUANTITY OF MUD

24. QUANTITY OF WATER

25. QUANTITY OF AIR

26. QUANTITY OF FUEL

27. QUANTITY OF LUBRICANTS

28. QUANTITY OF OTHER MATERIALS

29. QUANTITY OF SERVICES

30. QUANTITY OF EQUIPMENT

31. QUANTITY OF SUPPLIES

32. QUANTITY OF LABOR

33. QUANTITY OF OTHER RESOURCES

34. QUANTITY OF WASTE

35. QUANTITY OF EMISSIONS

36. QUANTITY OF NOISE

37. QUANTITY OF VIBRATION

38. QUANTITY OF OTHER IMPACTS

39. QUANTITY OF OTHER EFFECTS

40. QUANTITY OF OTHER CONSEQUENCES

JUL 06 1982
JAMES F. SIMS
DISTRICT ENGINEER

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

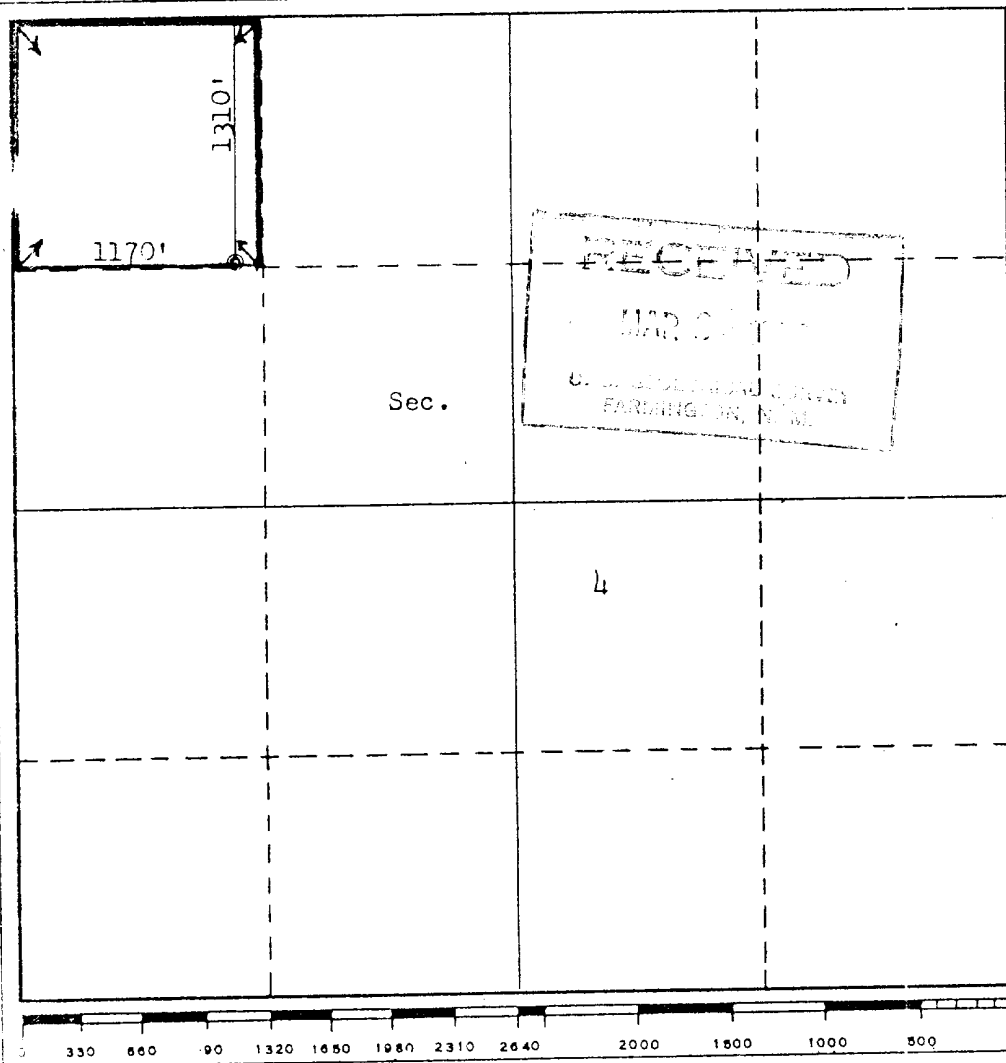
Operator SOLAR PETROLEUM, INCORPORATED			Lease NAVAJO "F"		Well No. 157
Unit Letter D	Section 4	Township 31N	Range 17W	County San Juan	
Actual Footage Location of Well: 1310 feet from the North line and 1170 feet from the West line					
Ground Level Elev. 5310	Producing Formation Gallup		Pool Horseshoe		Dedicated Acreage: 40 Joint with #101 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 Joe Allgeier
 Position Agent
 Company Solar Petroleum, Inc.
 Date 3-23-1982

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

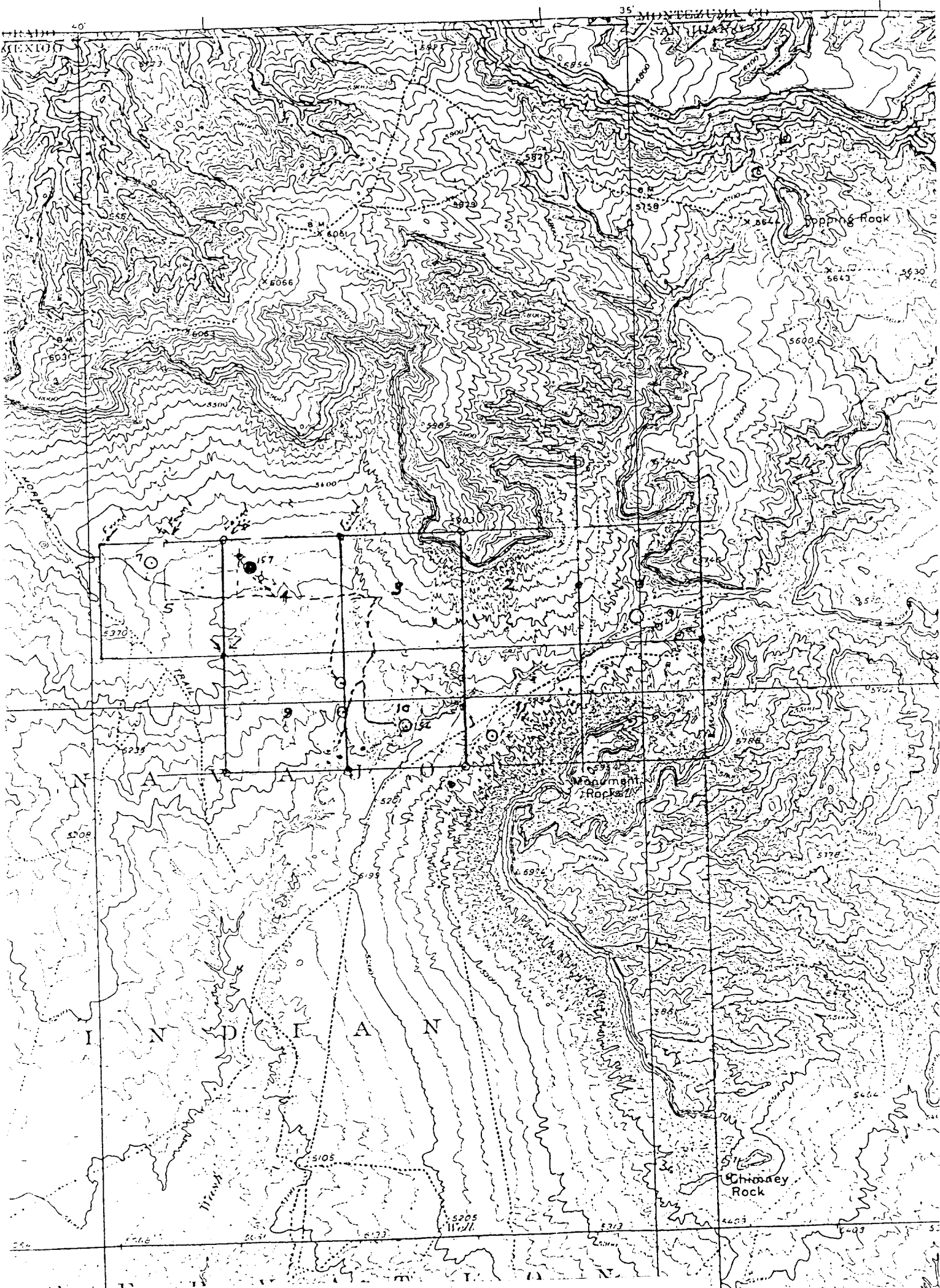
March 17, 1982

Registered Professional Engineer
and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No.

3950



Vicinity Map for
SOLAR PETROLEUM, INC. #157 NAVAJO "F"
1310'FNL 1170'FWL Sec. 4-T31N-R17W
SAN JUAN COUNTY, NEW MEXICO