

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
 1660 Lincoln St. Suite 1500 Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1330 FNL 1330 FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 14 miles NE of Shiprock

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
 920

16. NO. OF ACRES IN LEASE
 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1275

19. PROPOSED DEPTH
 1275

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)
 5399 G.L.

22. APPROX. DATE WORK WILL START*
 10-25-80

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-603-2033 - Tribal

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Navajo

7. UNIT AGREEMENT NAME
 Navajo

8. FARM OR LEASE NAME
 Navajo "G"

9. WELL NO.
 226

10. FIELD AND POOL, OR WILDCAT
 Many Rocks Gallup

11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA
 Sec-2-31N-17W

12. COUNTY OR PARISH
 San Juan

13. STATE
 N.M.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	8 5/8	23#	60' 90'	20sx
6 3/4	4 1/2	10.5#	1275'	200sx

Drill to top of Gallup with air. Mud up. Drill Gallup to approximately 1300'. Run logs. Run 4 1/2" casing and cement to the surface. Perforate and frack producing zone. Run rods and tubing, set pumping unit. Put on production. If well is dry will plug and abandon as per USGS instructions. Blow out preventor will be installed and checked daily.



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 8-13-80

(This space for Federal or State Use)

PERMIT NO. NOV 24 1980 APPROVAL DATE NOV 24 1980

APPROVED BY JAMES F. SIMS TITLE ENGINEER DATE NOV 24 1980

CONDITIONS OF APPROVAL

*See Instructions On Reverse Side

NMOCC

NSC-1281

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

Operator SOLAR PETROLEUM, INCORPORATED			Lease Navajo ^{UGM} <i>Tribe of Indians</i>		Well No. 226
Unit Letter G	Section 2	Township 31N	Range 17W	County San Juan	
Actual Footage Location of Well: 1330 feet from the North line and 1330 feet from the East line					
Ground Level Elev. 5399	Producing Formation Gallup		Pool Many Rocks	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.

		<p>2</p> <p>RECEIVED NOV 25 1980 OIL CON. COM. DIST. 3</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 *Harold W. E. Kelly*
Position

Agent

Company
Solar Petroleum, Inc.

Date
August 12, 1980

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
August 12, 1980
Registered Professional Engineer and Land Surveyor
[Signature]
F. B. Kerr, Jr.
Certificate No. 3950

SOLAR PETROLEUM, INC.

Navajo "G" #226

OPERATION PLAN

I. Location: G-2-31N-17W
Field: Many Rock Gallup
Elevation: 5399

II. Geology:

A. Formation Tops: Surface: Mancos
Gallup: 1110
Tocito: 1254
Sanastee: 1264

B. Logging Program: I-ES and Gamma Ray-Density logs.

C. Coring Program: None

III. Drilling:

A. Mud Program: Low solids mud-surface to T.D.

IV. Materials:

	<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>	<u>Wt. & Grade</u>
A. Casing Program:	12 $\frac{1}{4}$	60'	8 5/8	23# H-40
	6 3/4	1275'	4 $\frac{1}{2}$	10.5# K-55

B. Float Equipment Casing will be run with a regular guide shoe and float collar. Pipe will be centralized through pay zones

C. Tubing: If commercial, 2 3/8" 4.7# EUE tubing will be utilized for the completion string.

D. Wellhead Equipment: A series 600 flanged three will be used to accommodate 4 $\frac{1}{2}$ " casing and 2 3/8" tubing string.

V. Cementing: The Gallup interval will be cemented conventionally with 200 sx 65/35 pozmix cement, 2% gel and 100 sx Class "B" neat. Loss circulation additives will be used if needed.

SOLAR PETROLEUM, INC.
Navajo "G" #226
G-2-31N-17W

1. Existing Roads
Refer to Map which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during this period.
2. Planned Access Roads
The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed 20 feet (20') in width. Upon completion all roads will be adequately drained to control said erosion. Drainage facilities may include ditches, water bars, culverts or other measures necessary to insure proper drainage.
3. Location of Existing Wells
See Attached map.
4. Location of Tank Batteries, Production facilities, and production Gathering and Service Lines
If this well is productive, it would be oil. The facilities would be a wellhead, pumping unit and flowlines to an existing central battery.
5. Location and Type of water supply
Produced water from the Navajo "F" lease will be used.
6. Source of Construction Materials
All construction material will be purchased and hauled to the location. No additional Materials will be required.
7. Methods of Handling Waste Materials
 - a. Cuttings will be buried 3' below surface.
 - b. Drilling fluid will be left in a fenced, open pit to evaporate.
 - c. Portable toilet to be provided.
 - d. Trash will be burned in burn pit then buried.
 - e. After pit area is dry, cuttings will be pushed into pit and sub soil will be placed on any remaining fluid and cutting then top soil will be placed over both pit and location area.
8. Ancillary Facilities
No camps or airstrip will be associated with this project.
9. Well Site Layout
Refer to attached plat.

10. Plans for Restoration
of the Surface

After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out as controlled by the regulatory body.

11. Other Information

Terrain is low sand hill with a gradual slope to the east covered with grass and sagebrush.

12. Operator's Representative

Elledge Consulting & Production Company
P. O. Box 819
Bloomfield, New Mexico 87413

Harold Elledge-President
Office Phone: 632-3385
Home Phone: 632-8476

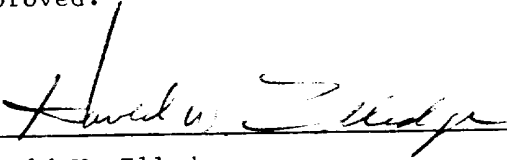
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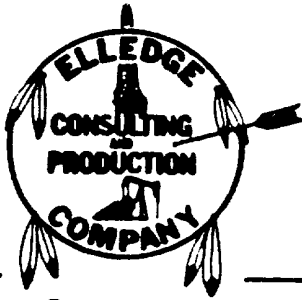
Solar Petroleum, Inc.
1660 Lincoln Street
Suite 1500
Denver, Colorado 80264
Phone: 303-861-9561

13. Certification

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Solar Petroleum, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date: August 13, 1980


Harold W. Elledge



P.O. BOX 819
Bloomfield, New Mexico 87413

(505) 632-3385

Before entering lands you will be required to notify:
Compliance Office, Navajo Tribe
Navajo Land Administration Office
P.O. Box 410
Montezuma Creek, Utah 84534
June 23, 1980
Phone: (801) 651-3208 Nellie Jackson

District Engineer
United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87401

Dear Sir:

Solar Petroleum, Inc. Suite 1500, 1660 Lincoln Street, Denver,
Colorado 80264, proposes to stake the below listed oil wells on the
Navajo Reservation in San Juan County, New Mexico.

1. Section 1,	1320 FSL, 2640 FWL	T31N, R17W
2. Section 2,	1320 FNL, 1320 FEL,	T31N, R17W
3. Section 4,	760 FNL, 1320 FEL,	T31N, R17W
4. Section 4,	1420 FNL, 1320 FEL,	T31N, R17W
5. Section 4,	1320 FWL, 1320 FEL,	T31N, R17W
6. Section 9,	5' FNL, 2640 FEL,	T31N, R17W
7. Section 9,	1320 FNL, 1320 FEL,	T31N, R17W
8. Section 10,	2600 FWL, 2640 FNL,	T31N, R17W
9. Section 10,	2640 FNL, 1320 FWL,	T31N, R17W
10. Section 10,	1320 FSL, 1320 FWL,	T31N, R17W

[Signature]

6-25-80

JFK/jr
C.C. Sherwin Artus
Solar Petroleum, Inc.
Denver, Colo. 80264

Yours truly,

[Signature]
Joe F. Elledge

A 15 day waiting period
prior to staking will be
required in order to give
BIA an opportunity to
voice any objections they
may have to the location

wait on designation
of operator before staking
sherwin will call when
ready.



P.O. BOX 819
Bloomfield, New Mexico 87413

(505) 632 - 3385

*Mentioned
Ray Padua
Western Surveying Inc.
\$7.50 per foot*

July 1, 1980

Compliance Office-Navajo Tribe
Navajo Land Administration Office
P. O. Box 410
Montezuma Creek, Utah 84534

move 10' off line

Dear Sirs:

Solar Petroleum, Inc., Suite 1500, 1660 Lincoln Street, Denver,
Colorado, 80264, will stake the below listed wells around July 15, 1980.

- | | | | | |
|-----------------|-----------|-----------|-------|--------|
| • 1. Section 1, | 1320 FSL, | 2640 FWL, | T31N, | R17W - |
| 2. Section 2, | 1320 FNL, | 1320 FEL, | T31N, | R17W |
| 3. Section 4, | 760 FNL, | 1320 FEL, | T31N, | R17W |
| 4. Section 4, | 1420 FNL, | 1320 FEL, | T31N, | R17W |
| 5. Section 4, | 1320 FWL, | 1320 FSL, | T31N, | R17W |
| • 6. Section 9, | 105 FNL, | 2640 FEL, | T31N, | R17W |
| • 7. Section 9, | 1320 FNL, | 1320 FEL, | T31N, | R17W |
| 8. Section 10 | 2600 FWL, | 2640 FNL, | T31N, | R17W |
| 9. Section 10, | 2640 FNL, | 1320 FWL, | T31N, | R17W |
| 10. Section 10, | 1320 FSL, | 1320 FWL, | T31N, | R17W |

As per the attached copy of the letter to the U.S.G.S., surveying
and staking approval has been obtained by Solar Petroleum, Inc.

If further information is needed please contact me at the letterhead
address or phone number.

Sincerely yours,

[Signature]

Joe P. Elledge

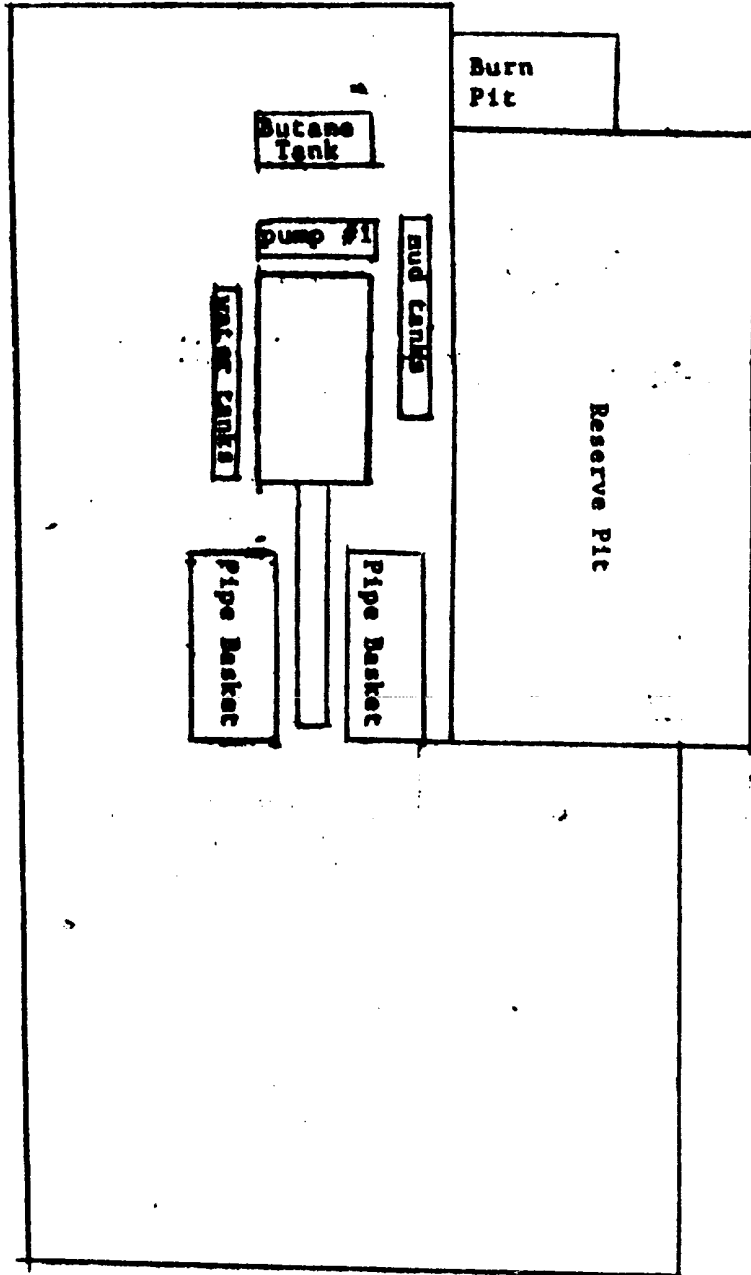
Joe P. Elledge

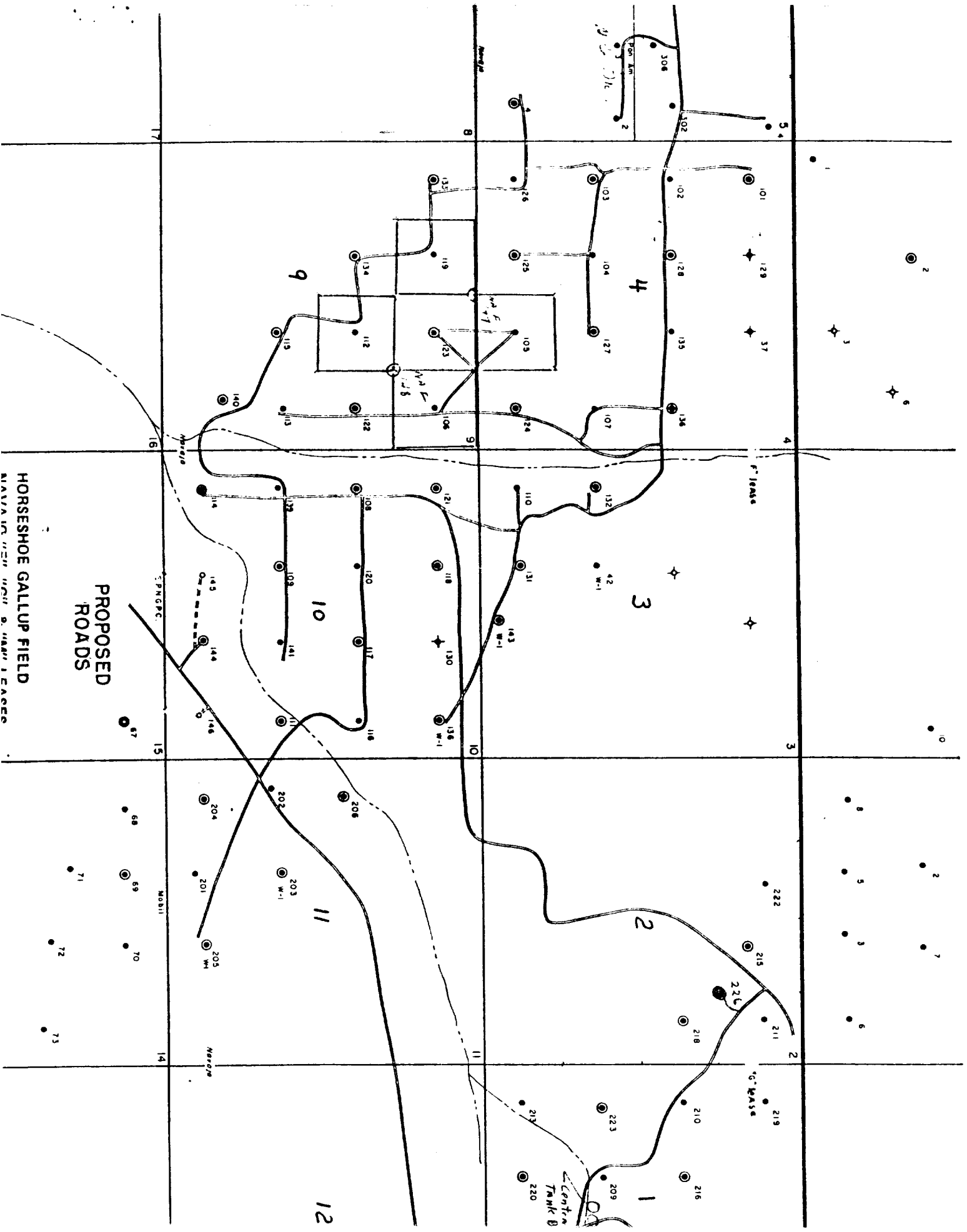
JPE/jr

C.C. U.S.G.S.-Farmington

Solar Petroleum, Inc.-Denver, Colo.

NAVAJO "6" # 226

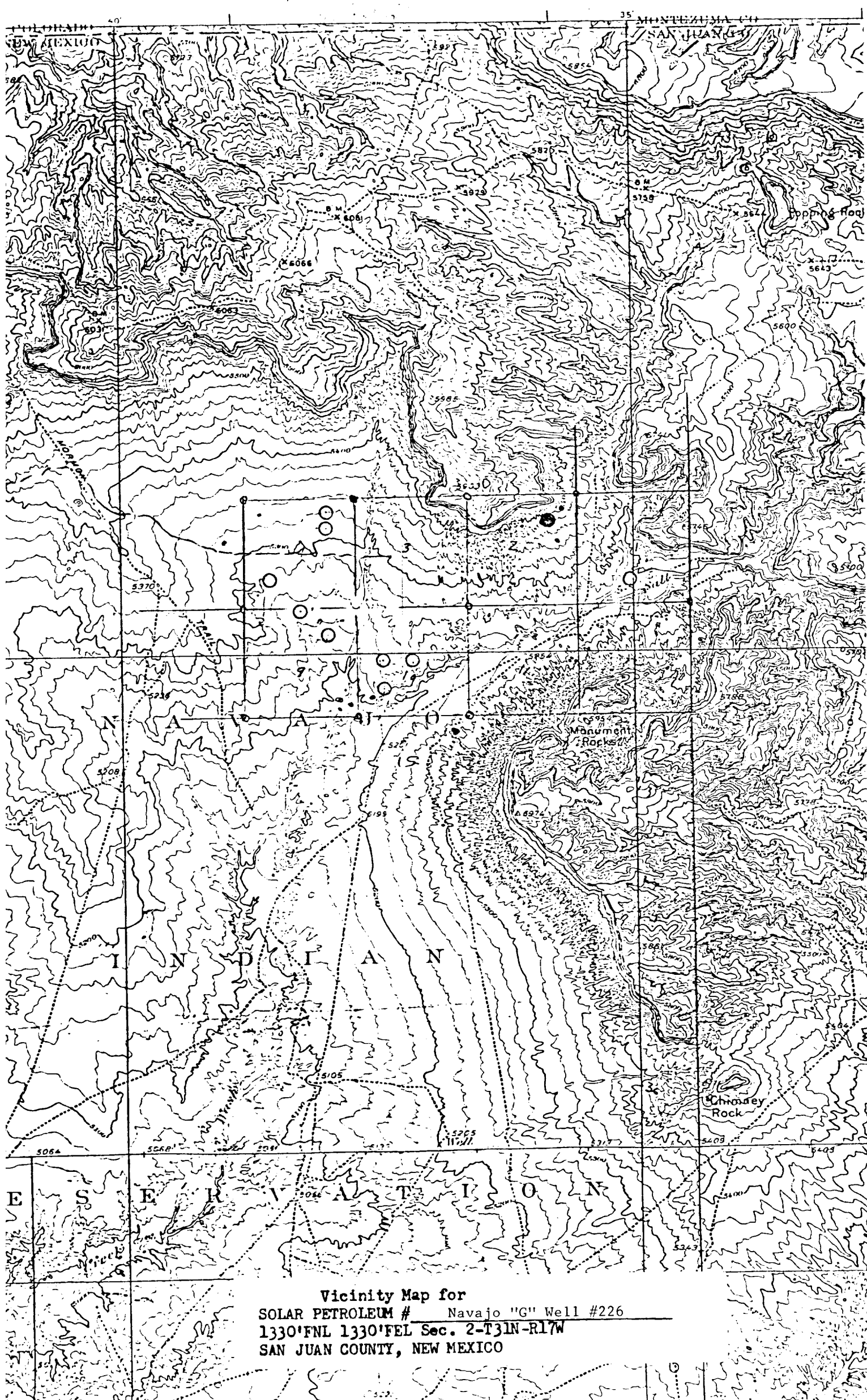




HORSESHOE GALLUP FIELD
NAVIGATION WITH "H" AND "H" LEAGERS

PROPOSED
ROADS

Center
Tank B



Vicinity Map for
SOLAR PETROLEUM # Navajo "G" Well #226
1330'FNL 1330'FEL Sec. 2-T31N-R17W
SAN JUAN COUNTY, NEW MEXICO