

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK: DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL: OIL ☐ GAS ☐ WATER ☒ OTHER ☐

3. NAME OF OPERATOR: *John Doe*

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
Section 16, T1N, R1E, S1E

5. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:
1.5 miles N

6. DISTANCE FROM PROPOSED*
TO NEAREST PROPERTY OR EASEMENT:
100'

7. DISTANCE FROM PROPOSED*
TO NEAREST WELL (Indicate depth, completion,
or depth of casing on this lease, if
known):
100'

8. ELEVATIONS (Show whether IP, RT, GR, etc.):
100'

5. LEASE DESIGNATION AND SERIAL NO.
14-10-003-2024

6. IF INDIAN, ALLIANCE OR TRIBE NAME
None

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
John Doe

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT

11. SECTION, TOWNSHIP, RANGE, AND SURVEY OR AREA
Section 16, T1N, R1E, S1E

12. COUNTY OR PARISH | 13. STATE
10, 10, 10

PROPOSED CASING AND CEMENTIN (See Table)

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	CANTITY OF CEMENT
10 1/2"	10 1/2"	22.5	100'	100 cu yd
10 1/2"	10 1/2"	10.5	100'	100 cu yd

Drill to top of fillup with air. Mud up. Drill fall to approximately 100'.
Run 10" casing and cement to the surface. Perforate and track
product zone. Run rods and tubing, set pumping unit. Put on pressure. If
well is dry will plug and abandon as per OCS instructions. Blow out preventer
will be installed and checked daily.

14. If operator desires to plug back, the operator must submit a separate proposal to deepen or plug back. The operator must submit a separate proposal to deepen or plug back. The operator must submit a separate proposal to deepen or plug back.

APPROVED
AS AMENDED
NOV 24 1980
DISTRICT ENGINEER

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-

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

Operator SOLAR PETROLEUM, INCORPORATED			Lease Navajo		Well No. 151
Unit Letter F	Section 10	Township 31N	Range 17W	County San Juan	
Actual Footage Location of Well:					
2620 feet from the North		line and 1360 feet from the West			
Ground Level Elev. 5235	Producing Formation Gallup	Pool Horseshoe		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 communization, 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 communization, unitization, forced-pooling or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

2620'	1360'	Sec. 10	
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CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: Harold W. Eledge
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 2, 1980

Registered Professional Geologist and Land Surveyor
Frederick W. Ketchum
Certificate No. 10000

Solar Petroleum, Inc.

Navajo "F" #151

Operation Plan

- I. Location: F-10-31N-17W
Field: Horseshoe Gallup
Elevation: 5235
- II. Geology:
- A. Formation Tops: Surface: Mancos
Gallup: 890'
Sanastee: 930'
- 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:
- | | | | | |
|--------------------|------------------|--------------|--------------------|------------------------|
| A. Casing Program: | <u>Hole Size</u> | <u>Depth</u> | <u>Casing Size</u> | <u>Wt. & Grade</u> |
| | 12 $\frac{1}{4}$ | 60' | 8 5/8 | 23# H-40 |
| | 6 3/4 | 940' | 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 tree will be used to accommodate 4 $\frac{1}{2}$ " casing and the 2 3/8" tubing string.
- V. Cementing: The Gallup interval will be cemented conventionally with 100 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 "F" #151
F-10-31N-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 flow lines to an existing tank battery.
5. Location and Type of water supply

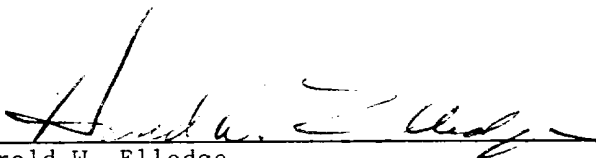
Produced water from the Navajo "F" lease will be used.
6. Source of Construction Material

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
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 The terrain is flat covered with grass and some 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
OR
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:



Harold W. Elledge



operator Co, ✓

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

6-25-80

L.S.S.

JFE/jr

C.C. Sherwin Artus
Solar Petroleum, Inc.
Denver, Colo. 80264

Yours truly,

Joe F. Elledge
Joe F. Elledge

A 15 day waiting period
prior to staking will be
required in order to give
BLL 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 Padon
Western Supply 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 , ⁶ | T31N, | R17W |
| • 6. Section 9, | 103 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

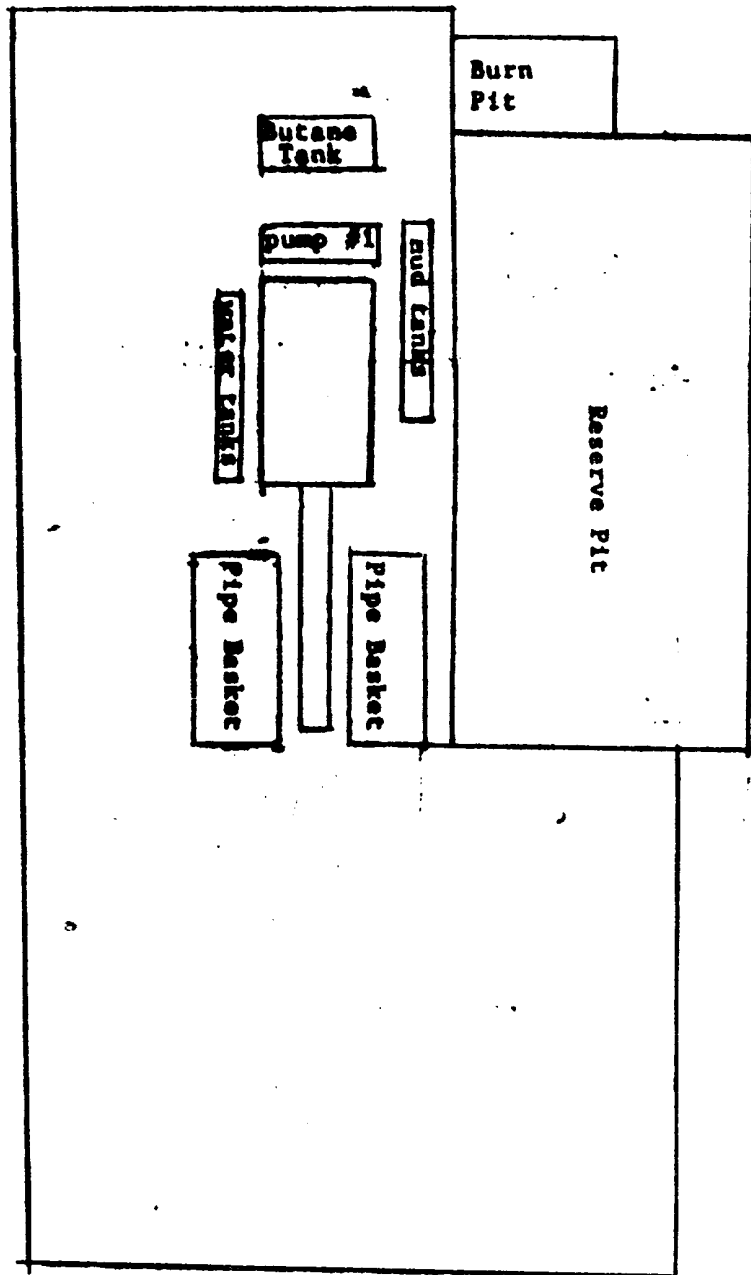
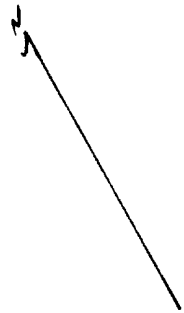
JFE/jr

U.S.G.S.-Farmington

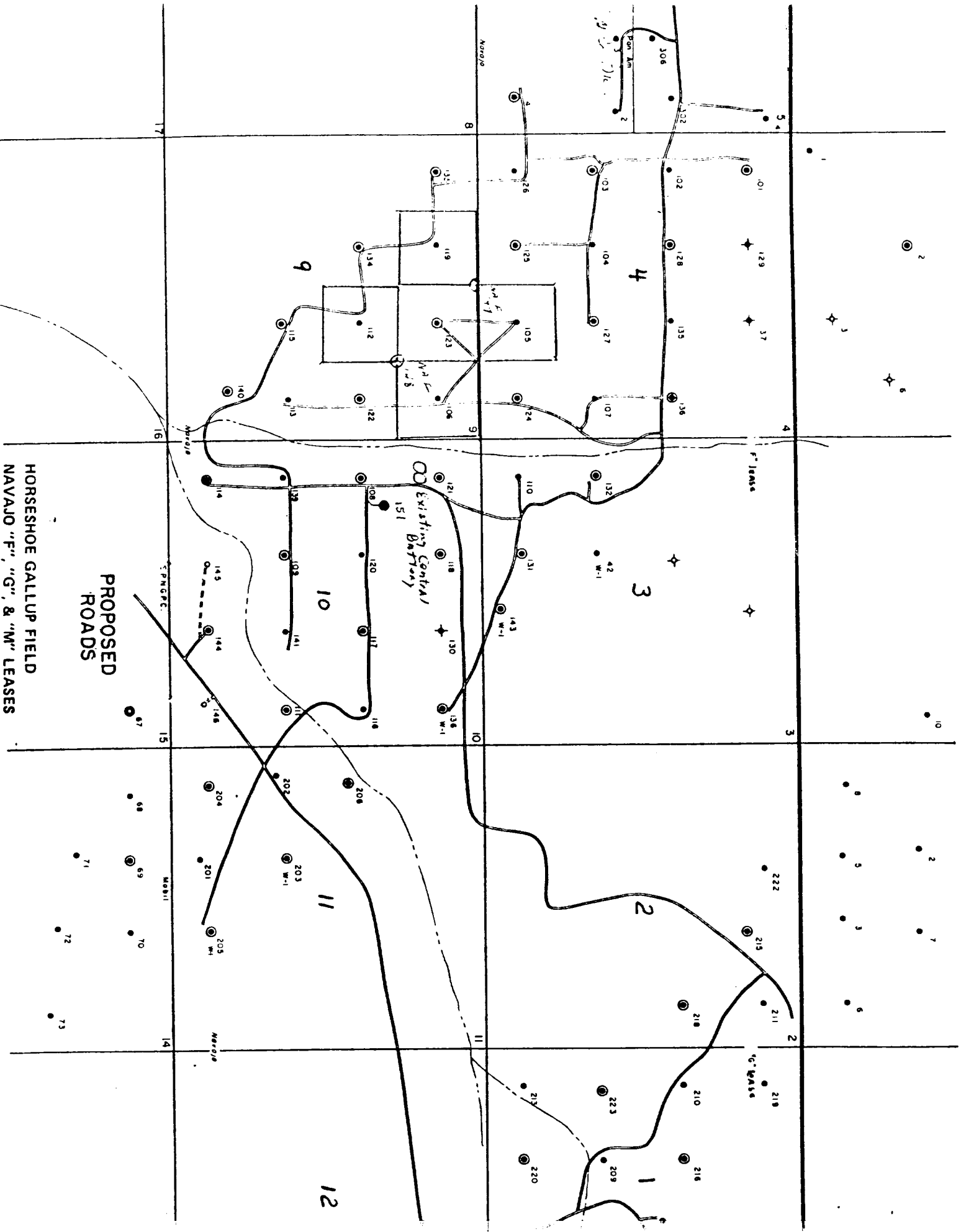
Solar Petroleum, Inc.-Denver, Colo.

1.

NAVAJO "F" # 151



utility lines.



PROPOSED
ROADS

HORSESHOE GALLUP FIELD
NAVAJO "F", "G", & "W" LEASES

Existing Contain
151 Battery

F Lease

G Lease

W Lease

P.N.C.C.

Mobil

Navajo

November 20, 1974

MEMORANDUM

TO : Bruce Anderson, Division of Archaeology, National Park Service,
P.O. Box 728, Santa Fe, New Mexico 87501

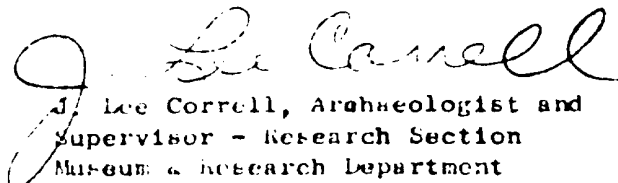
FROM : J. Lee Correll, Archaeologist and Supervisor of Research Section,
Museum and Research Dept., The Navajo Tribe

SUBJECT: Archaeological Clearance - Associated Royalties Lease, 10 Miles
North of Shiprock, New Mexico. Handled by Engineering & Production
Service, Farmington, New Mexico

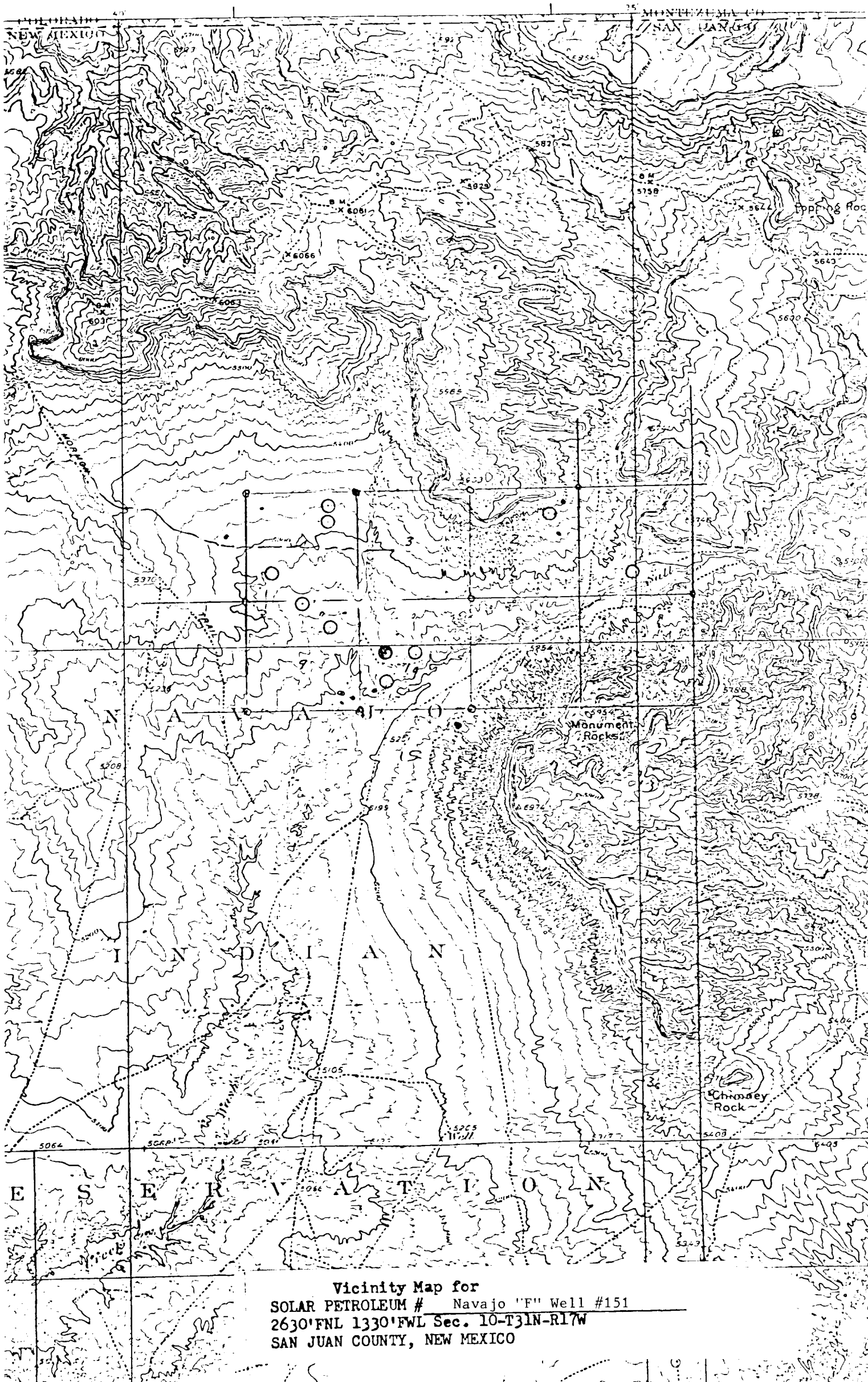
Pursuant to the request of Mr. J. D. Hicks of the Engineering & Production Service Company of Farmington, New Mexico, accompanied by him, I examined the area held under lease by Associated Royalties. The region is something of a big sink, relatively flat with gravel mounds about the periphery. The area is criss-crossed by existing access roads, and there are a number of operating oil wells. Those areas examined, all in Township 31 N, Range 17 W, were:

Section	3 - W $\frac{1}{2}$ only
"	4 - All of Section
"	5 - E $\frac{1}{2}$ only
"	9 - All except the SW $\frac{1}{4}$
"	10 - All of Section
"	11 - W $\frac{1}{2}$ only

Other than one Navajo family who maintains a dwelling within the area, no evidence of either prehistoric or historic occupancy was noted, and archaeological clearance is hereby recommended.


J. Lee Correll, Archaeologist and
Supervisor - Research Section
Museum & Research Department
The Navajo Tribe

cc: ✓ J. D. Hicks
Martin A. Link
File
Chrono



Vicinity Map for
SOLAR PETROLEUM # Navajo "F" Well #151
2630'FNL 1330'FWL Sec. 10-T31N-R17W
SAN JUAN COUNTY, NEW MEXICO