SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

	UNI DEPARTMEN	TED STATES T OF THE I		RIOR	reverse s	ide)	30-095	2470	<u> </u>
	GEOLO	GICAL SURVI	ΕY				14-20-603-2	034 7	rib
APPLICATIO	N FOR PERMIT	TO DRILL [DEEP	EN. OR P	LUG	BACK	6. IF INDIAN, ALLOTTE	OR TRIBE N	TAMB
1a. TIPE OF WORK		14					<u>Navajo</u>		
	RILL 🗵	DEEPEN [PLI	UG BA	CK 🗆	7. UNIT AGREEMENT N	AME	
	CAS			INGLE X	MULTIP	LB []	S. FARM OR LEASE NA	14 35	
2. NAME OF OPERATOR	WELL OTHER		Z(ONE LA	ZONE	لــا	Navajo Navajo	The of d	msli
Solar Pe	etroleum, Inc.						9. WELL NO.		
3. ADDRESS OF OPERATOR	!						149		
	ncoln Street, Su					264	10. FIELD AND POOL, O	B WILDCAT	
4. LOCATION OF WELL (I At surface	Report location clearly an	d in accordance wit	h any h	State requireme	nts.*)		Horseshoe	<u>Gallur</u>	ρ
}	760 FNL	1330 FEL					11. SBC., T., R., M., OR A	BLK. Lea	
At proposed prod. 20	ne						0 / 7243	4 777	
4. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS	T OFFIC	E.		····	Sec. 4 T31N,	1 / W 13. STATE	
14 miles	NE of Shiprock	•					San Juan	N.M.	
15. DISTANCE FROM PROF LOCATION TO NEARES	PORED*		16. No	O. OF ACRES IN	LEASE		OF ACRES ASSIGNED	1 14 • 11 •	
PROPERTY OR LEASE (Also to nearest dr)	LINE, FT. lg. unit line, if any)	760'		2560			40		
 DISTANCE FROM PRO TO NEAREST WELL, 	POSED LOCATION* DRILLING, COMPLETED,		19. PI	ROPOSED DEPTH		20. ROT.	ARY OR CABLE TOOLS		
OR APPLIED FOR, ON TH		1290		1130		F	Rotary		
21. ELEVATIONS (Show WI	bether DF, RT, GR, etc.) 5307 G.L.						22. APPROX. DATE WO	ME WILL ST	'ART"
23.		DDADAGED CAGIN	TC AND	D CHMENTING	PROCE A		10-5-80		
·		PROPOSED CASIN				1.04			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	оот	SETTING D		ļ 	QUANTITY OF CEMEN	4T	
12½ 6 3/4	$\frac{8.5/8}{4\frac{1}{3}}$	23#		1130		ļ	20 sx 200 sx		
DRILLING	OPERATIONS AUTHORIZED CONTROL (AD ADE		1130		action is	subject to administrat	ive	
producit well is will be	s. Run 4½" casing zone. Run rodry will plug a installed and constalled and consta	ods and tubi and abandon checked dail	ng, as p	set pumpi er USGS i	ng uni nstruc	it. Pu	NOV25 OIL CON. CO.	n. If ventor	uctive
4.	el 6) =	led - TIT		Agent			DAGE 8-1	3-80	
	erel or State office was	- m					DATE		
fruis space for red	eral or State office use)						ta da sa		
PERMIT TO.	םםם אינים	-		APPROVAL DATE	·				
1								•	
CONDITIONS OF APPRO	AIVIENUED	TIT	LE				DATE		<u> </u>
· ~1	NOV 2 4 1980 4						· · ·		
8 7	ne Mamles	-							
TOTAL	RICT ENGINEER		ctions	On Reverse	Side				

NMOCC

OIL CONSERVATION DIVISION

ENERGY AND MINERALS DEPARTMENT

P. O. DOX 2088

Form C-107 kevised 10-1-78

SANTA FE, NEW MEXICO 87501

All distances must be from the cuter houndaries of the Section.

Operator	of Dina Theodo	! `	Lease	41. 20 4	Well No.			
SOLAR PETR	OLEUM, INCORP	ORATED	Navajo HFH/n					
B	,	31N	17W	County San Juan				
Actual Footage Loc	tion of Well:	<u> </u>	1 414	Dan ouan				
760		rth line and	1330 fee	t from the East	line			
Ground Level Elev:	Producing For	mation	Pool		Dedicated Acreage:			
5307	Gall	up	Horseshoe		40 Acres			
 Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 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?							
this form i No allowat	f necessary.) ble will be assign	ed to the well until all	interests have been	consolidated (by	communitization, unitization, peen approved by the Commis-			
					CERTIFICATION			
	1		1330'	taine	reby certify that the information con- ed herein is true and complete to the of my knowledge and belief.			
	 			Position Solution Date	Agent			
	Se	с.	 					
	! ! !	ŢŤ	/11.1/10 Nov25 1980	shov note unda	reby certify that the well location on this plat was plotted from field s of actual surveys made by me or my supervision, and that the same rue and correct to the best of my vieldge and belief.			
			OIL CON. COM.	Au Regist and	ered rotessions Endiner Land Surveyor			
	Sca	le: 1"=1000*		Certifi	cate No.			

operator (1)

CONSILTING PRODUCTION

P.O. BOX 819 Bloomfield, New Mexico 87413

(505) 632 - 3385

Before entering Janda you will be required to solify:

Compliance Office Mavajo Tribe

Mavajo Jand Alministration Office

R.O. Box 410

Monteguma Creek, Utak 84534

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 F	SL,	2640	FWL	T31N,	R17W
2.	Section	2,	1320 F	'N L ,	1 3 20	FEL,	T31N,	R17W
3.	Section	4,	760 F	NL,	1320	FEL,	T31N,	R17W
4.	Section	4,	1420 F	'NL',	1320	FEL,	T31N,	R17W
5.	Section	4,	1320 F	WL ,	1320	FEL,	T31N,	R17W
6.	Section	9,	5'F	NL	2640	FEL,	T31N,	R17W
7.	Section	9,	1320 F	NL,	1320	FEL,	T31N,	R17W
8.	Section	10,	2600 F	WL,	2 64 0	FNL,	T31N,	R17W
9.	Section	10,	2640 F	NL	1320	FWL,	T31N,	R17W
10.	Section	10.	1320 F	SL	1320	FWL,	T31N,	R17W

Estarla-

6-25-80

JFE/jr

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

of 15 day waiting paring for staking will be officed in order to give to brice any objections they was for the form

Yours twill

F. Elledge

wast operator study.

Sherwin ready.



P.O. BOX 819 Bloomfield, New Mexico 87413

(505) 632 - 3385

July 1, 1980

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

move 10' of his

Dear Sirs:

Solar Petroleum, Inc., Suite 1500, 1660 Lincoln Street, Denber, Colorado, 80%64, will stake the below listed wells around fary 15, 1986.

• <i>l</i> .	Section 1,	1320 FSL,	2640 FWL,	T31N,	R12W
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,	1 3 20 FWL,	1 <i>3</i> 20 PSL ,	T31N,	R17W
6 .	Section 9,	ic & FNL,	26 4 0 FEL,	T31N,	R17W
• 7.	Section 9,	1320 FNL,	132 <u>0</u> FEL,	T31N,	R17W
8.	Section 10	2600 FWL,	26,40 FNL,	T31N,	R17W
9.	Section 10,	2640 FNL,	1320 FWL,	T31N,	R17W
10.	Section 10,	1320 FSL,	1 3 20 FWL,	T31N,	R17W

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

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

Sincerely yours,

1,271

ICF i.

Joe F. Elledge

JPE/jr

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

Solar Petroleum, Inc.-Denver, Colo.

SOLAR PETROLEUM, INC.

Navajo "F" #149

OPERATION PLAN

1. Location:

B-4-31N-17W

Field:

Horseshoe Gallup

Elevation:

5307

II. Geology:

A. Formation Tops:

Surface:

Mancos

Gallup:

1085

Sanastee:

1105

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

C. Coring Program:

None

III. Drilling:

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

IV. Materials:

Α.	Casing Program:	Hole Size	Depth	Casing Size	ze Wt. & Grade	
		121	60'	8 5/8	23# H-40	
		6 3/4	1200'	41/5	10.5# K-55	

Casing will be run with a regular guide shoe and float B. Float Equipment:

collar. Pipe will be centralized through pay zones.

Tubing: If commerical, 2 3/8" 4.7# EUE tubing will be utilized

for the completion string.

D. Wellhead Eqpt. A series 600 flanged tree will be used to accommodate

4½" casing and the 2 3/8" tubing string.

The Gallup interval will be cemented conventionally with 100 sx V. Cementing:

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" #149

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.

 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 central battery.

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

The terrain is flat covered with grass.

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

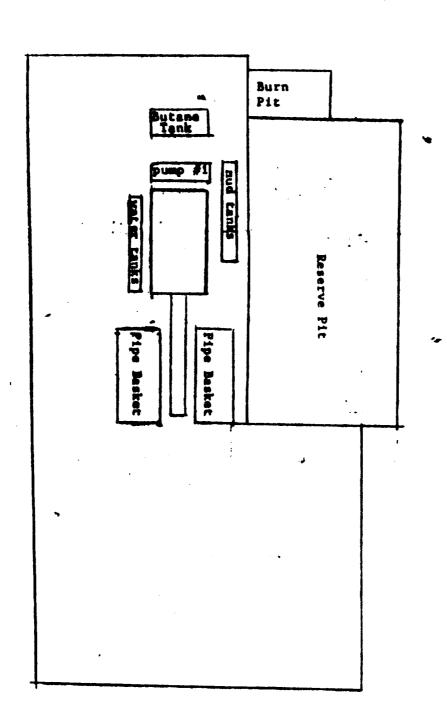
Solar Petroleum, Inc. 1660 Lincoln Street Suite 1500 Denver, Colorado 80264 Phone: 303-861-9561

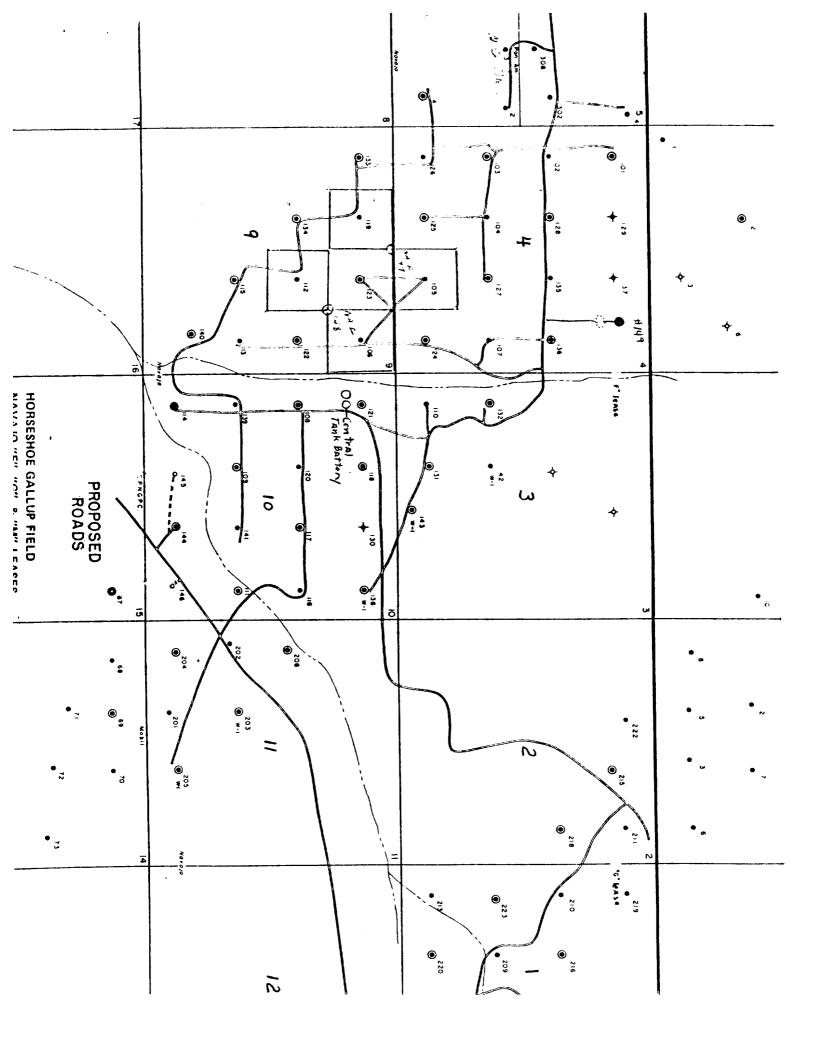
13. Certification

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.

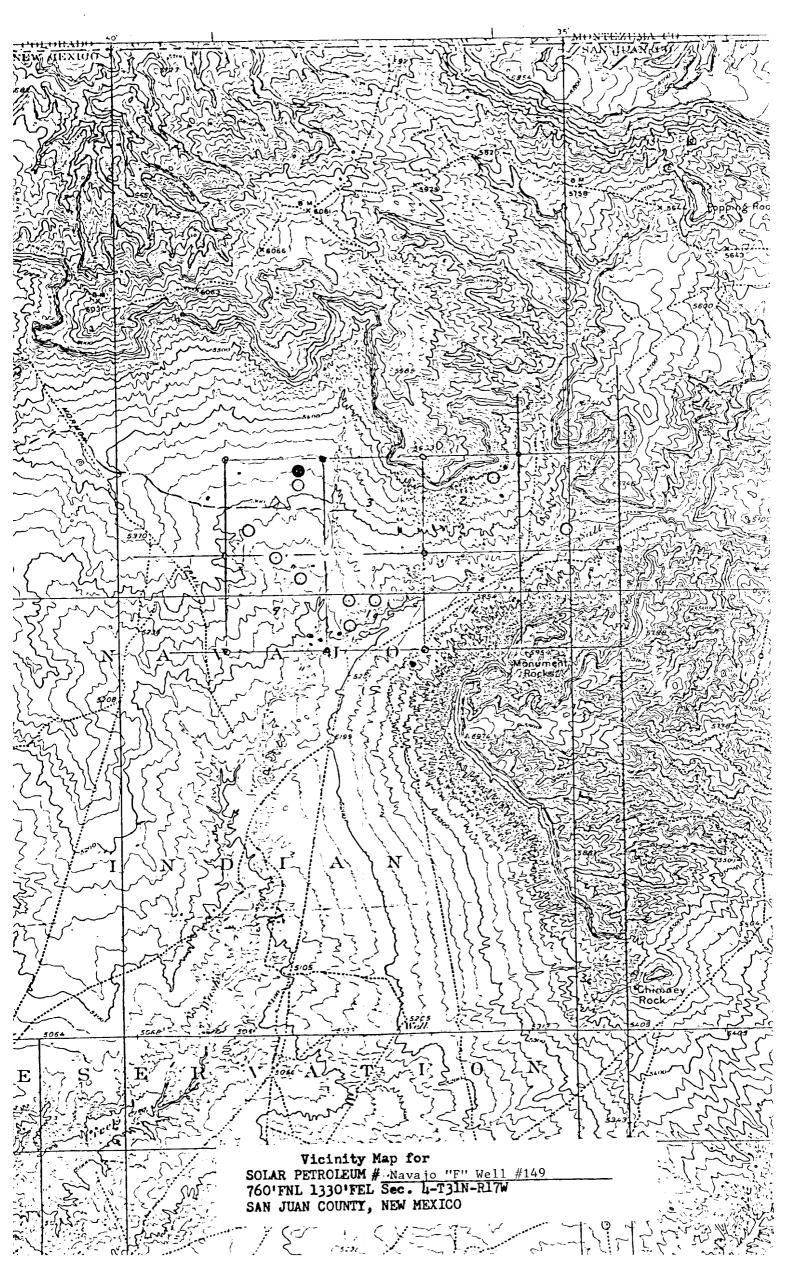
Date: August 13, 1980.

Harold W. Elledge





Jen 2019 220, 444 15 19



November 20, 1974

LLMORANDUM

: bruce Anderson, Division of Archaeology, National Park Fervice,

r.o. Box 728, Lanta Fe, New Mexico 87501

: J. Lee Correll, Archaeologist and Supervisor of Research fection, FROM

Museum and Research Lept., The Navajo Fribe

Archaeological Clearance - Associated Royalties Lease, 10 Miles : UDJECT:

North of Shiprock, New Mexico. Handled by Engineering & Production

forvice, 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:

bection 3 - W 1 only

" 4 - All of Section

5 - E ½ only 9 - All except the PW ½

10 - All of Eection

11 - W 1 only

Other than on 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.

> Le Canell J Lee Correll, Arahmeologist and Supervisor - Research Section
> Museum & Research Department

The Navajo Tribe

(C: J. D. Hicks

Martin A. Link

File

Chrono

