23#

10.5%

125

6 3/4

8 5/8

will be installed and checked daily.

Drill to top of Gallup with air. Mud up. Drill Gallup to approximately 1300'. Run logs. Run 4^{10}_2 casing and cement to the surface. Perforate and frack producing zone. Run rods and tubing, set pumping unit. Par on production. well is dry will plug and abandon as per USGS instructions. Blow out preventor

 60^{-1}

10301

20 sx200 sx

N.M.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zon productive . If proposal 13 to drill or deepen directionally, give perfinent data on subsurface locations and measured concine

oreventer program, france				
MILINE Handdw's Electron	1111.6	Δgent	BATE 8 - 13 -80	
APPROVED AS AMENDED		APPROVAL DATE .	·	
ONDITIONS OF APPRICAL NOV. 2 4 1980	TIPLE		 MATERIAL	

*See Instructions On Reverse Side

... 21

ETATE OF NEW MEXICO CHERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P, O. BOX 2048 SANTA FE, NEW MEXICO 87501

form C-107 Revised 10-1-

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

Commenter			Leuse				Well No.	
SOLAR PETR	OLEUM. INCOR	PORATED	1 -	Navajo "F"			148	
Unit Letter	Section	Township	Range		Consty			
В	9	31N		<u>L</u> W	San Juan	1		
Actual Footage Location of Well:								
1200 Ground Level Elev.			141() Pool	lee	it from the Eu		Ine ed Acreage;	
5221		l lup	1	seshoe		Douled	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).								
		different ownershi unitization, force		o the well	, have the intere	ests of all o	wners been consoli-	
Yes	□ No If	answer is "yes;" t	ype of consolida	tion				
If answer	is "no" list th	e numers and tract	descriptions wh	ich have	actually has so	nuolidated I	(Use reverse side of	
	if necessary.)	C OWNERS AND LEACH	General Priors wh	ich have	actually been co	mbondated.	(COST IEVELSE SIGE O	
No allowa	ble will be assig	=				•	ization, unitization, oved by the Commis-	
						CER	TIFICATION	
	ľ							
	1		_		,	hereby certify	that the information con-	
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	ı		!		Da		troleum, Inc.	
	ļ	1	!			August 1	2, 1980	
			<u> </u>					
	1		į. t			l hereby certif	y that the well-location	
	1		J. S.	ev-	1 1		lat was plotted from field	
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	1		1		6	red B. K	Kilch	
	Sc	ale: 1"=1000"			Ce	3950 8. KEN	18.	

SOLAR PETROLEUM, INC. Navajo "F" #148

OPERATION PLAN

I. Location: B

B-9-31N-17W

Field:

Horseshoe Gallup

Elevation:

5221

11. Geology:

A. Formation Tops:

Surface:

Mancos

Gallup:

970

Sanastee:

1010

B. Logging Program:

I-ES and Gamma Ray-Density logs.

C. Coring Program:

25 35' core through Gallup formation

III. Drilling:

A. Mud Program:

Low solid mud-surface to T.D.

IV. Materials:

Α.	Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade
		12支	60'	8 5/8	23# 11-40
		6 3/4	1200'	45	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 Egpt.

A series 600 flanged tree will be used to accommodate

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

V. <u>Gementing</u>: The Gallup interval will be commented 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" #148

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 central batter

 Location and Type of water supply.

Produced water from 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 tenced, 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

12. Operator's Representative

The terrain is low sand hills with a deep wash south, east, and west on the location. It is covered with very sparse grass.
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

K 1700



P.O. BOX 819 Bloomfield, New Mexico 87413

(505) 632 - 3385

Medica Poder Coultry Con tool

July 1, 1980

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

move 10' of him

Dear Sirs:

Solar Petroleum, Inc., Suite 1500, 1660 bincoln Street, Denber, Colorado, 80164, will stake the below listed wells around Fary 15, 1980.

• 1.	Section 1,	1320 FSL,	2640 FWL,	T31N,	H17W
.2.	Section 2,	1320 FNL,	1320 FEL,	T31N,	R17W
3.	Section 4,	760 FNL,	1 3 20 FEL,	T31N,	R17W
4.	Section 4,	1420 FNL,	1320 FEL,	T31N,	R17W
5.	Section 4,	1320 FWL,	1320 PSL ,	T31N,	R17W
6 .	Section 9,	ic & FNL,	2 640 FE L,	T31N,	R17W
• 7.	Section 9,	1320 FNL,	132Q FEL,	T31N,	R17W
8.	Section 10	$2600\ FWL$,	26 4 0 FNL,	T31N,	R17W
9.	Section 10,	2640 FNL,	1 3 20 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 abtained by Solar Petroleum, Inc.

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

Sincerely yours,

QB^{CC}Y (

Joe F. Elledge

JFE/fr

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

Solar Petroleum, Inc.-Denver, Colo.

operator Co, c

CONSULTING PRODUCTION

P.O. BOX 819 Bloomfield, New Mexico 87413

(505) 632 - 3385

Before entering Janda you will be required to Motify:
Compliance Office Marsis Tribe
Marsis Jand Afministration Office
R.O. Box 410
Monteguma Creek, Utah 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	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,			1320		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_{i}	T31N,	R17W
10.	Section	10.	1320	FSL.	1320	FWL.	T31N	R17W

6 Black

6-25-80

JFF/jr

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

of 15 day waiting paried for staking will be officed in order to give to Da on apportunity to vice any objection they may have to the Contion

Yours twolu

Joe F. Elledge

wast checkler betock still much

THE NAVAJO NATION



WINDOW ROCK, NAVAJO NATION (ARIZONA) 86515

PETER MACDONALD CHAIRMAN, NAVAJO TRIBAL COUNCIL

NOV 1 5 1979

FRANK E PAUL VICE CHAIRMAN, NAVAIO TRIBAL COUNCIL

Hicks Enco, Inc. 2313 Santiago Farmington, New Mexico 87401

Dear Sir:

Enclosed please find Receipt No. 159244 for your Check No. 238 in the amount of (\$1,585.00) for drilling damages.

Thank you very much.

Sincerely, Alice James, Secretary II Navajo Land Administration

1 REMITTANCE, IF NOT IN CASH, IS ACCEPTED, SUBJECT TO COLLECTION. DOLLARS (\$ 4.58 81.528 Pur institute 1 AAA. AVA VIAJO I NIDE ACCOUNT NO. 501-7102 RECEIPT NO. VENDOR NO WINDOW ROCK ARIZ TOTAL CHECK NUMBER ADDRESS - duminate SIGNATURE OF COLLECTING EMPLOYE 200 -/4. DESCRIPTION Vames 6. CASH 800K NO.

HICKS ENCO, INC.

P. 0. BOX 176 PHONE: (505) . 327-3788
FARMINGTON, NEW MEXICO 87401

March 31, 1980

Mr. Donald Benally Counsellor at Law
P. O. Box 2219

Shiprock, New Mexico 87420

Dear Sir:

The drilling we propsed has been postponed indefinitely.

In November, 1979 we reached an agreement with Donald Badoni of the Navajo Tribal Land Administration as to the amount of damages we would cause by drilling three wells, Navajo F 147, Navajo F 148 and Navajo G 225. The amount was \$1,585.00. The people holding grazing permits would not agree as to how this amount was to be distributed. A check for this amount was issued to the Navajo Land Administration. Copies of the check, letter and receipt are attached.

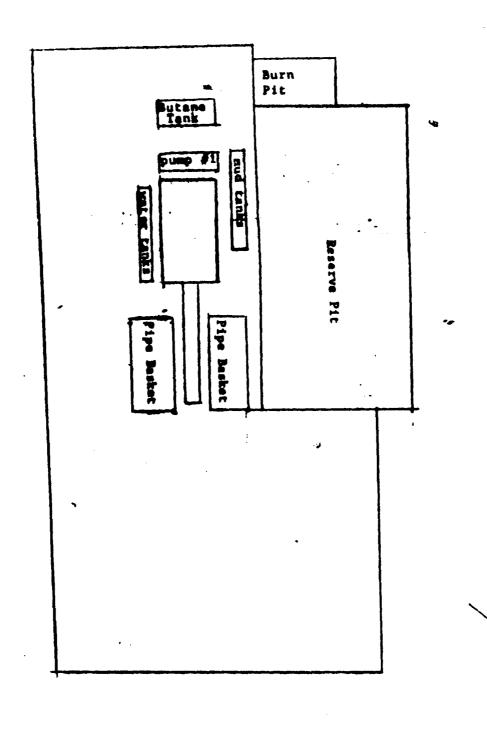
I understand they will distribute this money when the permittees reach an agreement.

Sincerely,

JDH/11

Enclosures

Miles billies



۷,

American State of

November 20, 1974

LMOKANDUM

10 : Fruce Anderson, Division of Archaeology, National Park Fervice, ε.Ο. Βοκ 728, Santa Fe, New Mexico 87501

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

FURIFICE: Archieological Clearance - Associated Royaltics Lease, 10 Miles North of Engrock, New Mexico. Hundled by Engineering & Production Fervice, Engineering 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 Ul N, Range 17 W, were:

bection 3 - W ½ only

" 4 - All of fection

" 5 - E ½ only

" 9 - All except the EW ½

" 10 - All of fection
" 11 - W ½ 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.

A Lee Correll, Archaeologist and Supervisor - Research Section Museum & Research Department

The Navajo Tribe

CC: J. D. Hicks Martin A. Link File Chrono

HICKS ENGL. .. C. MAYALIS ACCULATE 2313 BANTIACO 307-3150 PARRINGTON, N. R. 87401

First National Bank
Local Lake passes to be forms
Local Lake passes to be forms
Local Lake passes to be been

November 5, __i.79

i'ar	O77E	HOUSAND FIVE HUNDRED EIGHTY FIVE DOLLARS AND NO/100-DOLLARS \$	1585.00
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Mavajo Land Administration Account #2016-105

THE DESCRIPTION NEGOTIABLE

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DELUXE - FORM WYD-D V-S

For damages resulting from drilling of Navajo Wells "F" 147 - 5' S of NL & 2540' E of WL - Sec. 9, T31N R17W "F" 148 - 1200' FEL & 1410' FNL - Sec. 9 T31N - R 1%W "G" 225 - 2455' FWL & 1230' FSL - Sec. 1 T31N - R 17W Access Road Sec. 9	DATE	DESCUIPTION	TRUDHA	ACCT. NE LOCK ST
1		"F" 147 - 5° S of NL E 2540° E of WL - Sec. 9, T3 "F" 148 - 1200° FEL E 1410° FNL - Sec. 9 T31N - E "G" 225 - 2455° FWL E 1230° FSL - Sec. 1 T31N - E	31N R17W R 1ÄW	

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United States Department of the Interior

GLOLOGICAL SURVIY P.O. Box 959 Farmington, New Mexico 87401

(DATE)

Company	Hicks Enco. Inc.
Well Name	Navajo "F" 148
Location	1200' from North line & 1410' from East line Sec. 9 - T31N - R13W
Lease No.	14-20-603-2034

We, the undersigned, have contacted the following Navajo grazing lessees and/or surface occupants at the above oil and gas well location.

N AME	CENSUS NO.	NAME	CENSUS NO.
Mary Noland	30 556	Mary Taylor	31411
Bessie Kuhn Martin	24303	Paul Buck	30421
James Frank	74548	Ruth Lee	30423
Dan Shorthair	29952	Jonah King	31874
David Shorthair	95272	Lula King	30113
John Hay	30559	Lee Sandoval	30111
Jimmy C. Begay	31694	Henry Sandoval	30112
Dan Hayes	30598	Luke Sandoval	30464
Cato Hayes	24076	Harry Sandoval	30475
Susie Ann Phillips	26086	Wilson Phillips	30470

We have determined that no problem exists with the grazing lessee and/or surface occupants at this location.

Compliance Officer, Navajo Tribe

President, Hicks Enco, Inc.

