7

## SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side) UNITED STATES
DEPARTMENT OF THE INTERIOR

	30-031-20557
5.	LEASE DESIGNATION AND SERIAL NO.
	NM-5981
€.	IF INDIAN, ALLOTTER OR TRIBE NAME

•	GE	5. LEASE DESIGNATION AND SERIAL NO. NM-5981								
APPLICATI	ON FOR PERM	6. IF INDIAN, ALLOTTER OR TRIBE NAME								
1a. TYPE OF WORK		DEEPEN		<u> </u>	,					
b. Type of well	DRILL 📑	7. UNIT AGREEMENT NAME								
2. NAME OF OPERATO	WELL OTH		SINGLE ZONE	MULTH ZONE		Star Lake				
		ing & Product	ion Servi	ce, Inc.		9. WELL NO.				
3. ADDRESS OF OPERA	1. 0. 10	x 190 on, New Mexic	0			10. FIELD AND POOL, OR WHIDCAT				
4. LOCATION OF WELL At Surfaces	(Report location clear	ly and in accordance	with any State .	requirements.*)		Wildcat Mesalle				
(	23	11. NEC., T., R., M., OR BLK.								
At proposed prod.	i	same				Sec. 35, T20N, R6W				
14. DISTANCE IN MIL	ES AND DIRECTION FROM	M NEAREST TOWN OR P	OST OFFICE*			12. COUNTY OR PARISH 13. STATE N.M.				
	REST SE LINE, FT. drlg. unit line, if any)	2310'	16 No. or 256	ACRES IN LEASE	17. No. o	F ACRES ANSIGNED HIS WELL 40				
OR APPLIED FOR, ON	L, DRILLING, COMPLETED THIS LEASE, PT.	0900	19. PROPOSE 2750 P	оint Lookou		Rotary				
21. ELEVATIONS (Show	whether DF, RT, GR, e	6675 (	~~		·	22. APTROX. DATE WORK WILL START*				
23.				IENTING PROGRA		12-20-1978				
SIZE OF HOLE	BIZE OF CASING	WEIGHT PER	FOOT :	SETTING DEPTH		OUANTITY OF CEMENT				
12‡	8 5/8	20		100	10	0 sx				
7 7/8	4 ½	9.5		2750	32	5				
<b>(</b> S	ee attachments	s)								
					April 1980	Charles				
					A PARTY OF THE PAR					
					1					
						C 1978 C 1978 COM COM.				
					1 08	0.00				
					M 011	- Chist. 3				
IN ABOUT CRACE THE		1.			The Contract of the Contract o	A Commence of the Commence of				
cone. If proposal is preventer program, if	to arill or deepen dire	: If proposal is to de tionally, give pertine	epen or plug ba nt data on subs	ck, give data on pr urface locations an	esent produ d measured	crive zone and proposed new productive and true vertical depths. Give blowout				
24.   J	any.			· · · · · · · · · · · · · · · · · · ·						
BIGNED . ST	inde C. D	unedy ,	<sub>ітіж</sub> Аger	it	-	ратк 11-22-1978				
(This space for F	ederal or State office us	> >			The second secon					
PERMIT NO.			АРРВО	VAL DATE						
APPROVED BY CONDITIONS OF APP	ROVAL IF ANY	т	171.E			1 James 13 V				
	End					NOV 3 0 1978				

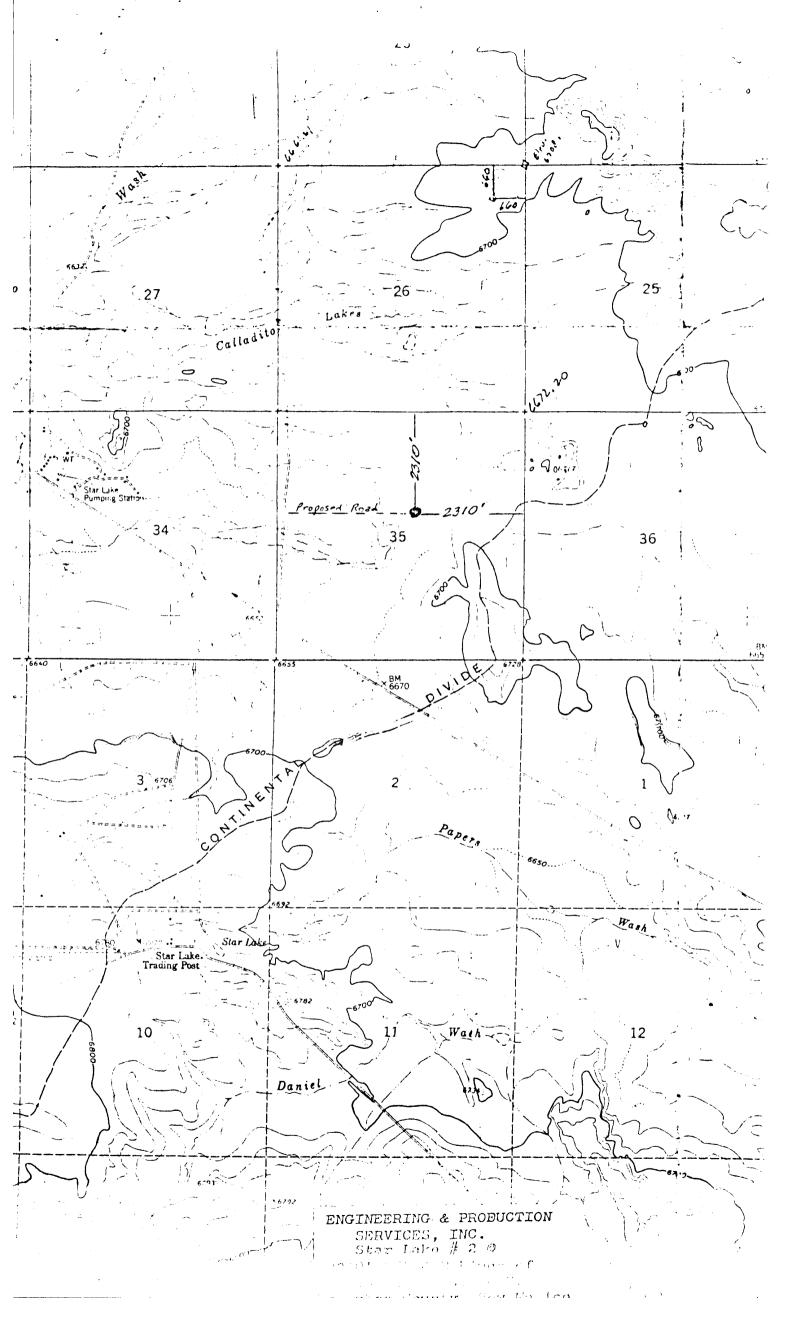
\*See Instructions On Reverse Side

11. S. CEOLOGICAL SURVLY DUDARGO, COLO.

## NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well No. Operator STAR LAKE ENGINEERING AND PRODUCTION SERVICES INC County Range Unit Letter 6 WEST McKINLEY 20 NORTH Actual Footage Location of Well: EAST 2310 NORTH line and line 2310 feet from the Dedicated Acreage: Ground Level Elev. Producing Formation 40 Wildcat Point Lookout 6664.9 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? 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. Original Signed by: Claude C. Kennedy Claude C. Kennedy Position Agent Company Engineering & Production Ser. 11-28-1978 2310 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. V 3 o 1978 Date Surveyed 22 November 1978 ". S. GEOLOGICAL SURVEY Registered Professional Er Dylanabu, edila. James P. Leese Certificate No. 1463 1980 2310 2640 2000 1500 1000 660 1320 1650

330



Engineering & Production Service, Inc.

Formation Information and Drilling Practices

WELL: STAR LAKE #2

LOCATION

2310 FNL, 2310 FEL Sec. 35, T20N, R6W McKinley Co., New Mexico

LEASE NUMBER:

NM-5981

NOV 3 6 19/8

15. S. CEOLOGICAL SURVEY DARAGO, COLO.

Geologic name of surface formation. 1)

Kirtland :

Estimated tops of important geologic markers. 2)

La Ventata	85 <b>2</b>
Chacra	1210
Cliff House	175 <b>6</b>
Menefe <b>e</b>	181 <b>8</b>
Point Lookout	265 <b>2</b>

Estimated depths at which anticipated water, oil gas or other mineral-3) bearing formations are expected.

2652' - oil & gas

4) Proposed casing program.

Surface: 8 5/8", 20#, K-55, new casing to be set at 100'. Cement will

be with 100 sk. Class "B" + 2% gelt 0.5% CaCl2.

 $4\frac{1}{2}$ ", 10.5#, K-55, New casing to be set at 2750'. Cement will be 325 sk. Class "B" + 2% gel +0.5% CFR-2. Production:

5) Specifications for pressure control equipment.

> The attached schematic shows the type of blow out preventer to be used  $\cdot$ while drilling. The unit will be tested to 800 psi with the rig pump prior to drilling from under surface. Both blind and pipe rams will be tested. Operation of the hydraulic system will be checked daily.

6) Drilling fluids.

Depth	Туре	Vixcosity	Weight	Fluid Loss(cc)
0-100	gel-lime	35-45	8.6-9.0	N/C
100-2600	low-solids	29-33	8.4-8.8	15
2600-2750	gel-chem	35-40	8.8-9.4	8

- 7) Auxiliary equipment.
  - a. bit float
  - b. full opening stabbing valve to be used when kelly is not in the string
- 8) Logging-Coring-Testing.

Logging:

Induction Electric log Formation Compensated Density Gamma Ray Caliper

ha - c = l v NOV 3 0 1978

11. S. GEOLOGICAL SURVEY DUMANGO, COLO.

Page 2

8) Coring:

None Drill Stem Testing:

None

9) Abnormal temperatures, pressures, or hazardous conditions.

None Expected.

10) Starting date.

Anticipated starting date is 200, 1978. Approximately 6 days will be needed to build roads and location and drill the well to total depth. If commercial, completion will commence immediately and require 10 days.

. E 1 V

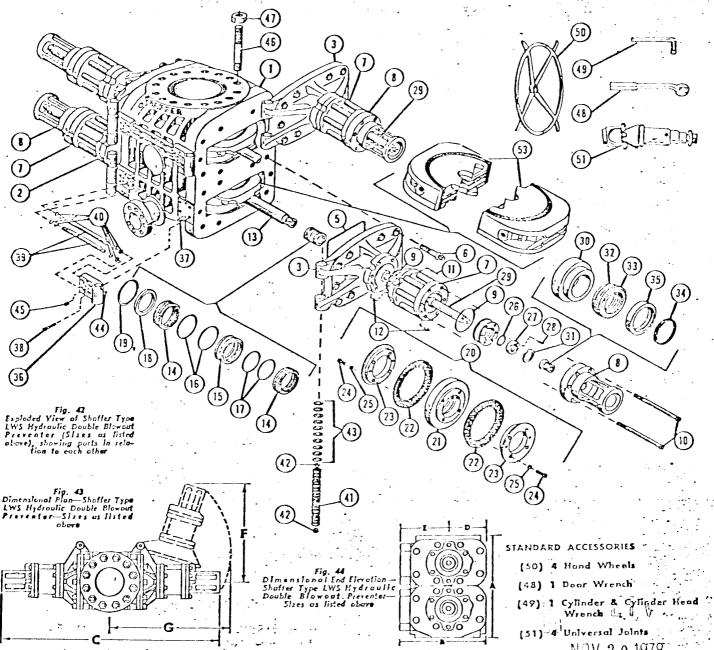
NOV 3-0 1978

11. S. CFOLOCICAL SURVEY

## SHAFFER HYDRAULIC BLOWOUT PREVENTERS (Patented)

TYPE LWS PREVENTERS—8", 3000 Lb. & 5000 lb.—10", 5000 Lb. 12", 3000 Lb.—13 %", 5000 Lb.—16", 3000 Lb.

## PARTS AND DIMENSIONAL ILLUSTRATIONS



DIMENSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS.

Refer to Figs. 43 and 44

	Max.		- <u>-</u> :			Weight he		- Ве	7 JA	The property states of	3	C	D	K	K	T) rot	G .	S. CLUI	001040 .30, 01	D'S.	U.S. Gala
Saa	Service Press Fating pri	Test Prest pri	Vertical Lors	Max. Rem Sine	Sindle	Double	Sin Sin22ed Flange	Polical	Den Studded Flangs	Bolled	WSZG	Lengib	T.	Capter To Rear	0,-	Open In Change Rama	Course Ratio	Opening Ratio	Finid To Close Rame	Flaid To Open Rama	
*****	1,000 1,000 1,000 1,000 1,000 1,000	000.01 000.01 000.0 000.01	8" 11" 1154" 1154"	7 7 197 197 197 114	\$,600 £,500	3,500 2,500 7,000 6,300 9,700 7,500	2134°	 2134° 2134°	33.74. 33.74. 33.74.	41 % 41 % 41 % 41 % 41 % 41 % 41 % 41 %	25 % 25 % 25 % 25 % 25 % 25 % 27 %	75 15" 75 15" 15 15" 10 15"	11 12 12 12 12 12 12 12 12 12 12 12 12 1	14%" 14%" 15%" 15%" 20%"	กลนห่อน	27. 40. 40. 40. 40. 40. 40. 40. 40. 40. 40	1 at 1.3 1.58 to 1	1.5 % 1	2.75 2.75 2.25 2.55 1.55 1.55	23 23 27 29 29 29	

Engineering and Production Service, Inc.

Surface Development Plan

WHLL: STAR LAKE #2

LOCATION

2310' FNL, 2310' FEL Sec. 35, T20N, R6W McKinley Co., New Mexico

LEASE NUMBER:

NM-5981

ال ال ال

NOV 3 0 1978

M. S. CFOLOGICAL SURVEY DOLLARGO, COLO.

1) Existing roads. (Shown in green)

The attached topographic map shows all existing roads within three (3) miles of the proposed location. All roads are in fair condition and will require a minimal amount of work to upgrade them to handle normal drilling activity traffic.

2) Planned access road. (Shown in red)

The new access road will be approximately 20' wide and 1 mile long. No cut, fill, turnouts, or culverts will be needed. No fences, gates or cattle guards will be crossed. Maximum grade will be 5%. Water bars will be used where needed to aid drainage and help prevent erosion.

Location of existing wells.

All wells (water, abandoned, disposal, and drilling) are shown and so labeled on the attached topographic map.

4) Location of existing production facilities.

All production facilities are to be contained within the proposed location.
Engineering & Production Service, Inc. does not own or control any tank batteries, production facilities or production, gathering and service lines within three miles of the proposed location.

5) Location and type of water supply.

Water for drilling will be trucked from Chapman's water hole, approximately 35 miles northwest of the location. This water is privately owned.

6) Source of construction material.

Any construction material required for road or location will be excess material accumulated during building of such sites.

Methods of handling waste material.

(Refer to attached well site layout.)

All material that can be safely burned will be so disposed when weather conditions permit.

All nonburnable waste (drilling fluids, cuttings, chemicals, etc.) will be held in the reserve pit until dry, and then buried. Any oil that accumulates on the pit will be removed prior to leaving the pit to dry. Pits will be fenced during dry out, then completely back-filled with dirt prior to preparing the location for production or abandonment.

NOV 3 0 1978

12.

Claude C. Kennedy Consultant 4949 San Pedro, N. E. Suite 47 Albuquerque, New Mexico 87109 Phone: 883-9624

13. I hereby certify that I or persons under my direct 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 the 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 George E. Coleman, and his contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

November 7, 1978

INDEPENDENT OIL AND GAS OPERATOR

Date\_\_\_\_

49 î9 San Pedro, N.E. Suite 47 Aibi querque, N. M. 87 109

PHONE (505) 883-9624

ال ال

NOV 3 0 1978

