SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved, Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR

30-03/-	20	57/
5. LEASE DESIGNATION A	ND BER	IAL NO.

SE	DESI				SERIAL	
N	- 00	C-1	4-	20-	-2687	,

	N00-C-14-20-2687							
APPLICATIO	N FOR PERMIT	TO DRILL,	DEEPE	N, OR PLUG	BACK	6. IF INDIAN, ALLOTTES		
b. TYPE OF WELL	AS OTHER	DEEPEN Wildcat	81		TIPLE [7. UNIT AGREEMENT N	AME	
2. NAME OF OPERATOR	VELL C OTHER		20	NE CON	<u> </u>	Navajo		
	ay, Jr. & Will P.O. Box 1473		ew		·	9. WELL NO.		
	Albuquerque,		8711	l		10. FIELD AND POOL, O		
4. LOCATION OF WELL (F	eport location clearly an	d in accordance wi	th any S	tate requirements.*)		Wildca	t Masaverdo	
At proposed prod. zon		2225 FEL				11. SEC., T., E., M., OR I AND SURVEY OR AS Sec. 7, T19N	BLK.	
_	and disection FROM NE. thwest Star Lake					12. COUNTY OR PARISH McKinley	New Mexico	
15. DISTANCE FROM PROP- LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr)	DSED** T LINE, FT.	415*		OF ACRES IN LEASE		OF ACRES ASSIGNED THIS WELL 40		
18. DISTANCE FROM PROI	POSED LOCATION* PRILLING, COMPLETED,	None	1	O' Point Look		Rotary		
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)	6823 Gr				July 15, 19		
23.		PROPOSED CASI	NG AND	CEMENTING PROC	RAM	·		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	оот	SETTING DEPTH		QUANTITY OF CEMEN	T	
11	7	24#		96		80 sx		
6‡	41/2	10.5#		2250		250 sx .		

See Attachments

Gas under this lease is not dedicated to a contract.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone 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.

BIGNED AASS E STREET	Agent Agent	DATE 6-18-1979
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
APPROVED BY	TITLE	JUN 21
CONDITIONS OF APPROVAL, IF ANY:		

ah Frak

U. S. GEOLOGICAL SURVEY DURANGO, CCLO.

*See Instructions On Reverse Side

Operator			the outer boundaries of Lease	the section.		Well No.						
	Kay, Jr. & W	illiam J. Mayhew	NAVAJO			1 —						
Unit Letter O	Section 7	Township 19	Range 6	County	MCKINLEY							
Actual Footage Los	ation of Well:	<u> </u>		1								
695	feet from the	SOUTH line and		t from the 1	EAST	line						
Ground Level Elev. 6822	Producing For	Point Lookout	Wildcat		Ded	icated Acreage: 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). If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli- 												
dated by c Yes If answer this form it	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 Commis-											
			325'		best of my kno Land Name Claude C. Position Ag Company Hore & William J	ent race F. McKay, Jr.						
C 330 660 Y	90 1320 1650 191	50 231C 264C 20CC	1210 1000	500 C	and o Land Sun Certificate No.	ssional Engineer veyor						

HORACE F. McKAY, Jr. and WILLIAM J. MAYHEW

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DEVELOPMENT PLAN FOR SURFACE USE

WELL: #1 Navajo

LOCATION:

695'FNL, 2225'FEL Sec. 7, T19N, R6W McKinley County, N.M.

LEASE NUMBER:

NOO-C-14-20-2687

1. Existing roads. (Shown in green)

The attached topographic map shows all existing roads within one mile 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 600' 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.

3. Location of existing wells.

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

4. Location of existing production facilities.

All production facilities for this well will be located on the site.

All tank batteries, production facilities or production, gathering and service lines within one mile of the proposed location are shown on the attached section layout.

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.

7. 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.

7. Any solid waste that can not be buried will be taken from the location and properly destroyed.

All portable chemical toilet will be supplied for human waste.

8. Ancillary facilities.

None planned.

9. Well site layout.

The attached layout shows the drilling rig with all supporting facilities. Cut and fill, required for pad construction, is also shown.

10. Plans for restoration of surface.

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting.

Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both road and location will have top soil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of location not needed for operation will be repaired as above. The portion of the location needed for daily production operations, and the access road, will be kept in good repair and clean.

In either case, cleanup of the site will include burning any safely burnable material, filling of all pits, and proper disposal of any nonburnable material that can not be safely buried. Any oil that has accumulated on the pits will be trucked away.

11. Other information.

General topography of the area may be seen on the attached map.

This location is 1½ miles west of the Continental Divide at Deja Del Raton Mesa. The site has a small westerly slope. The area is sandy and is covered with sage brush and native grasses. There is evidence of sheep and small animal life in the area.

Surface at this location belongs to Navajo Indian Allotted.

There are no occupied dwellings in the area.

There were no archaeological or cultural sites visible on the location. The archaeologist's report is forthcoming.

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.

One and digent by CLAUDE C. RENNEDY

Claude C. Kennedy

Date: 6-18-1979

HORACE F. McKAY, Jr. and WILLIAM J. MAYHEW

FORMATION INFORMATION AND DRILLING PRACTICE

WELL: #1 Navajo

LOCATION:

695'FNL, 2225'FEL Sec. 7, T19N, R6W McKinley County, N.M.

LEASE NUMBER:

NOO-C-14-20-2687

- 1. Geologic name of surface formation.
 Kirtland
- 2. Estimated tops of important geologic markers.

Cliff House 1100
Menefee 1140
Point Lookout 2100

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

 2100' oil & gas
- 4. Proposed casing program.

Surface: 7", 24#, used casing to be set at 96'.

Cement will be with 100 sx. Class "B" + 2%

gel + 0.5% CFR-2, adequate to circulate.

Production: $4\frac{1}{2}$, 10.5#, K-55, new casing to be set at 2250'. Cement will be 250 sx. Class "B" + 2% gel + 0.5% CFR-2, or adequate to circulate.

5. Specifications for pressure control equipment.

The attached schematic shows the type of blow out preventer to be used while drilling. The unit will be tested to 200 psi as soon as possible after its installation on the surface pipe. Testing will be done with the rig pump. This is a manual type preventer, and its operation will be manually checked when practical.

6. Drilling fluids.

Depth	Туре	Viscosity	Weight	Fluid Loss (cc)
0-100	Gel-lime	35-45	8.6-9.0	N/C
100-22 <i>5</i> 0	Low-solids	29-33	8.4-8.8	15

- 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.

Coring: None

Drill Stem Testing: None

- 9. Abnormal temperatures, pressure, or hazardous conditions. None expected.
- 10. Starting Date.

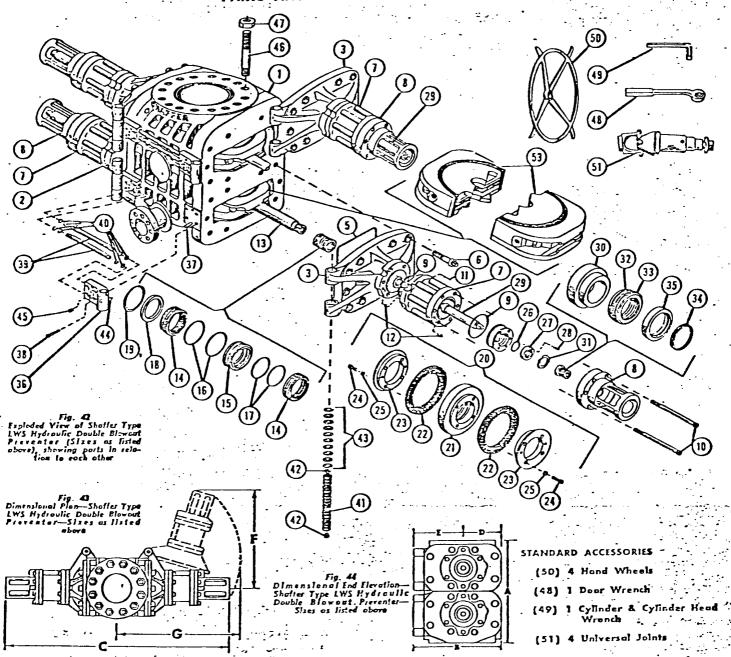
Anticipated starting date is 7-15-1979. Approximately six days will be needed to build roads and location and drill the well to total depth. If commercial, completion will commence immediately and require ten days.

4434

SHAFFER HYDRAULIC BLOWOUT PREVENTERS (Patonted)

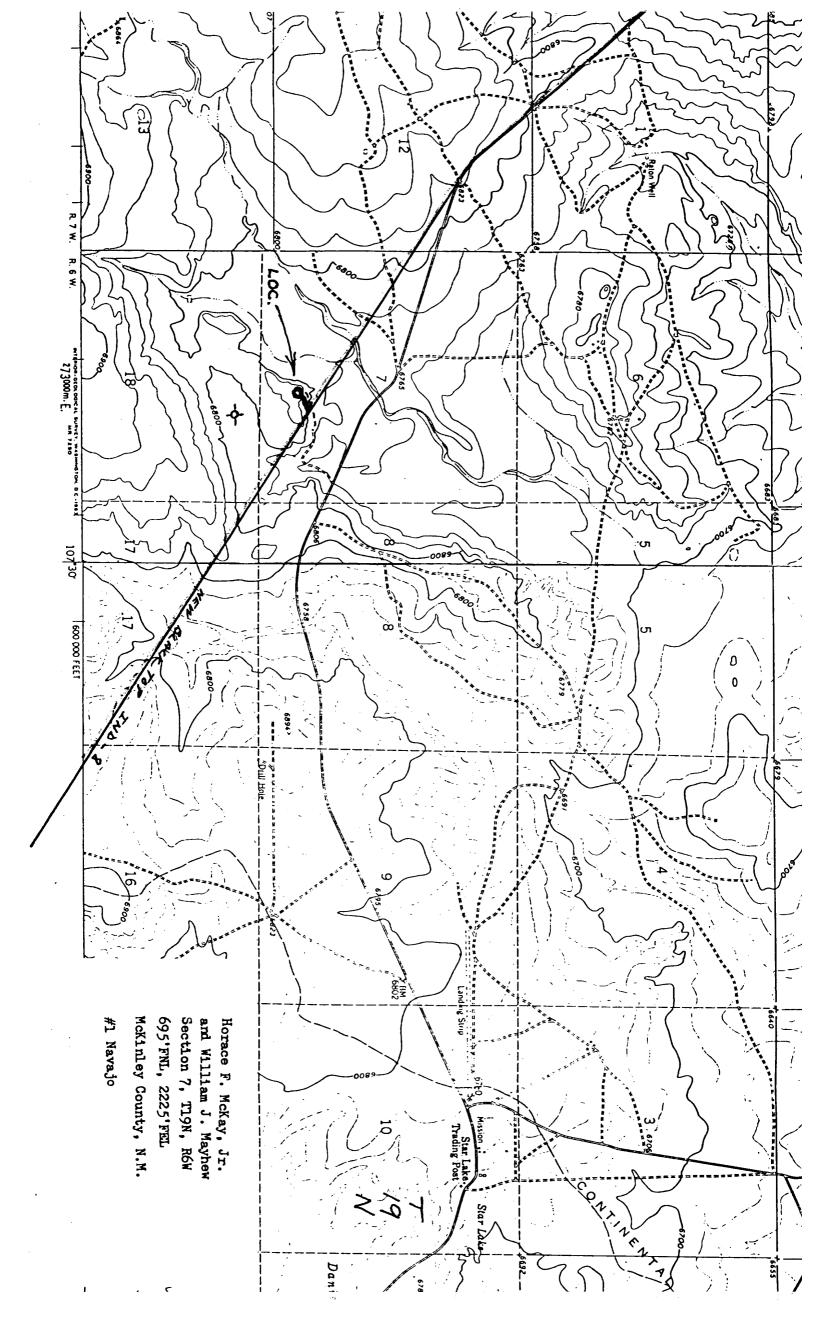
TYPE LWS PREVENTERS—8", 3000 Lb. & 5000 lb.—10", 5000 Lb. 12", 3000 Lb.—13 %", 5000 Lb.—16", 3000 Lb.

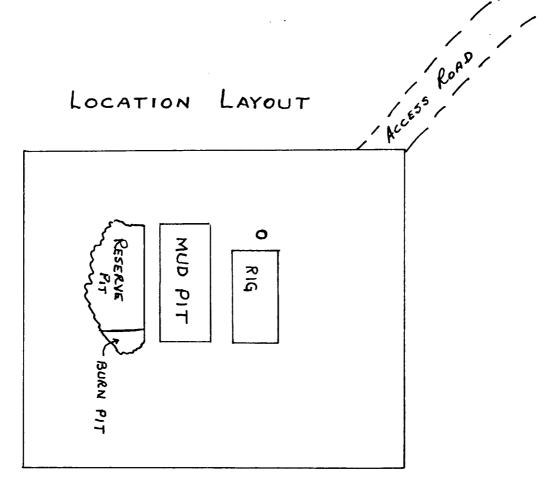
PARTS AND DIMENSIONAL ILLUSTRATIONS



DIMENSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS

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	Service Prove	Test		Mex	Stade	d Flange	Sia		Det					Cester		of	~		To Com	Flaid To Open
5=0	Revieg pri	Jiric pri	Vertical Loss	Sine	Siefle	Deulis	Sindded Flange		Siedded Fienge		M.S.	Leagth	To Frest	To Rest	Lame	Charfe Eams	Cosing Ratio	Paris Ratio	3.=	Rams.
F .	3,100	10.000 6.000	7.	7		3.500			20 H.	417	25%° 25%°	7:15	1114	14%	23"	46"	5.6 to 1 5.6 to 1	1.29 to 1 1.87 to 1	2.75 2.75	23
190	3 (110	6.00	31° 325°	1656	\$,000	7,000 6,300	2176"	2436"	31.	4734	253	75 X 25 X 25 X	13%	18% 18%	27	46" 53"		1.87 to 1	225	27
3255	1,500	003.01	155	154.	6,870	\$.700 2.500	****	21.75"	34"	4516°	23 K	10:74	113	15%" 26%"	41,	80"	5.56 to 1 5.56 to 1	15 61	1.55 2.5	2.9





SCALE LINCH = 30 FEET

MAX: 6 INCH CUT OR FILL REQUIRED

Horace F. McKay, Jr. and William J. Mayhew Section 7, T19N, R6W 695'FNL, 2225'FEL McKinley County, N.M. #1 Navajo