6

SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side) UNITED STATES

30-031-20516

APPLICATIO	5. LEASE DESIGNATION AND SERIAL NO. NOO-C-14-20-2685 6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
b. Tipe of work b. Tipe of well	RILL 🔀	DEEPEN		JG BACK	7. UNIT AGREEMENT	
OIL A 2. NAME OF OPERATOR 3. ADDRESS OF OPERATO	Horace F. Mc	Kay, Jr. & Will	iam J. May	MULTIPLE DONE	8. FARM OR LEASE NA Navajo- 9. WELL NO.	
	Al buquerque,	New Mexico 871	11 State requiremen	nts.*)	10. FIELD AND POOL, Wildcat	Mesaverl
At proposed prod. z 14. DISTANCE IN MILES 6 miles sou		NL, 2065°FEL	ation		Sec. 7, T19N	R6W
15. DISTANCE FROM PRO LOCATION TO NEARE PROPERTY OR LEASE (Also to nearest di	POSED* ST LINE, FT. rlg. unit line, if any)	····	o. of acres in 1		McKinley OF ACRES ASSIGNED THIS WELL 40	New Mexic
OR APPLIED FOR, ON T	DRILLING, COMPLETED, HIS LEASE, FT. No.	1	Point L		Rotary	
23.	hether DF, RT, GR, etc.)	6758 G		PROCEAN	August 30,	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DE	РТН	QUANTITY OF CEMEN	IT
**	1 1	L 24#	96		RO ev	

2250

See Attachments

43

Gas under this lease is not dedicated to a contract.

10.5#

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone nd proposed new roductive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical denths. Give blowout preventer program, if any. Colored Signed By: BIGNED CLAUDE C. ESNNEDY Agent (This space for Federal or State office use) PERMIT NO. APPROVAL DATE APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:

ah Frank

6‡

U. S. GFOLOGICAL SURVEY DURANGO, CCLO.

250 sx

All distances must be from the outer boundaries of the Section

Operator		All distances must be 170		the Section.	
Horace F. Mc		lliam J. Mayhew	NAVAJO -	C	Well No.
Unit Letter G	Section 7	Township 19	Range 6	County	
Actual Footage Loc 2050		ORTH line and	2065 fee	t from the EAST	line
Ground Level Elev. 6758	Producing For Poin	mation F t Lookout	^{2∞1} Wildcat		edicated Acreage:
2. If more th		ted to the subject well,			plat below.
☐ Yes	No If ar	ifferent ownership is de initization, force-pooling nswer is "yes;" type of	consolidation		
No allowab	le will be assigne	owners and tract descriped to the well until all in or until a non-standard	nterests have been c	onsolidated (by commu	nitization unitization
		0 2020	2065	l hereby certification of my kn land Name Claude C Position Company Hor & William Date 6-18-	Agent ace F. McKay, Jr. J. Mayhew
		9 16 70 to 10 10 to 1		is the and know Bage and	being the beat of my
0 330 666 15	1320 1650 1980	2310 2640 2000	1500 1000 50		

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

DEVELOPMENT PLAN FOR SURFACE USE

WELL: #1 Navajo C

LOCATION:

2050 FNL, 2065 FEL Sec. 7, T19N, R6W McKinley County, N.M.

LEASE NUMBER:

NOO-C-14-20-2685

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 $1\frac{1}{2}$ 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.

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.

Original Signed By:
CLAUDE C. KENNEDY

Claude C. Kennedy

Date: 6-18-1979

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

FORMATION INFORMATION AND DRILLING PRACTICE

WELL: #1 Navajo C

LOCATION:

2050'FNL, 2065'FEL Sec. 7, T19N, R6W McKinley County, N.M.

LEASE NUMBER:

NOO-C-14-20-2685

- 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

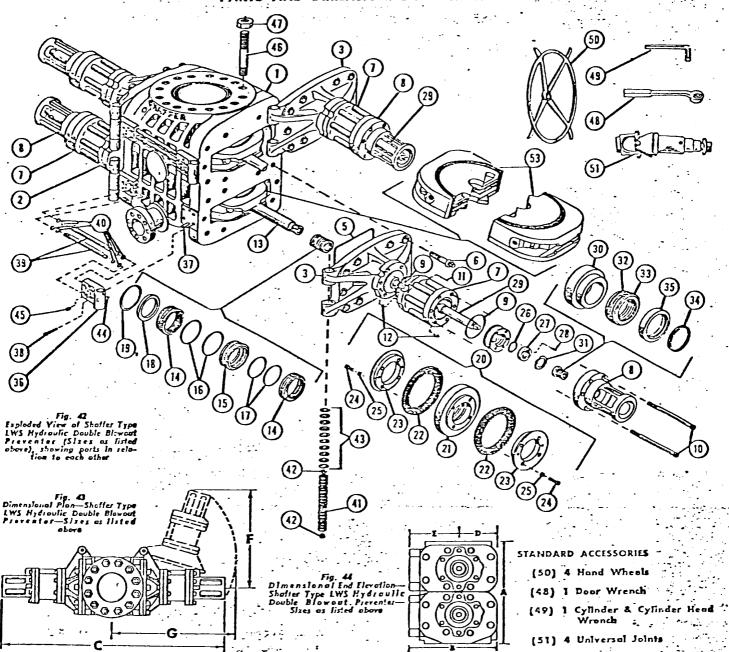
- 9. Abnormal temperatures, pressure, or hazardous conditions. None expected.
- 10. Starting Date.

 Anticipated starting date is 8-30-1979... 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.

SHAFFER HYDRAULIC BLOWOUT PREVENTERS (Patented)

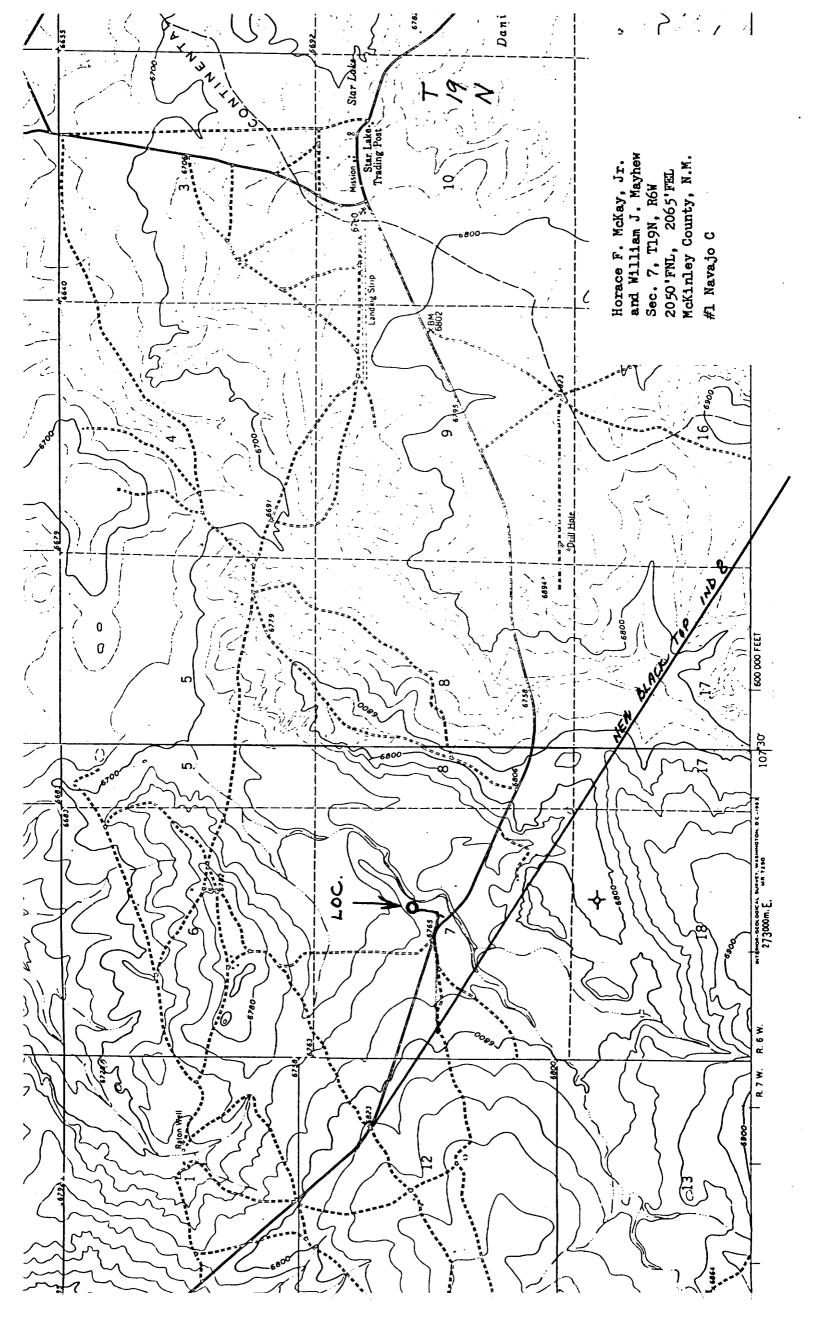
TYPE LWS PREVENTERS—8", 3000 Lb. & 5000 lb.—10", 5000 Lb. 12", 3000 lb.—13 1/8", 5000 lb.—16", 3000 lb.

PARTS AND DIMENSIONAL ILLUSTRATIONS -

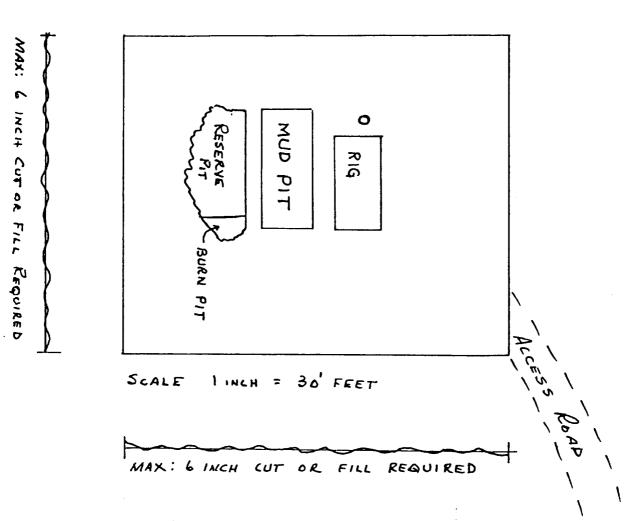


DIMENSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS Refer to Figs. 43 and 44

		* *.		*:	ApperWork		A		3	С	D	E	7	G			" :	-		
	Mark					le .	Häght						Des	D-or		•	G.L.	U.S. Gala		
	Service Prose	Total		Mex	Studde	d Flange	Su	Ça -	Des	ile.			Cester	Coster	Opera	Open	7.	*/ L .	Duid To	Flaid To
5=0			Torira Loss		Sinfle	Double	Sindded Flasje	Police Flarge	Stadded Flants	Lolled Firsts	M.S.P	Leagib	T.	To Rear	Charfe Lama	Chiefe Remi	Cosing Ratio	Opening Ratio	Close Rams	Open Rama
F .	3,100	000.31	9"	7		3500			20 K.	4136	25%*	7:15	111/2	14%	27°	45"	S.S to 1	1.29 to 1	2.75	23
100		303,01	11°	16%	2003,2	7,100	3136"	21360	717	45X 45X	25% 2E1% 31%	EX.	1237	187 187	27	46	E.S. to 1	13 161	3.25 2.55	27
1278		003,01	1116	1657	6.80	\$700 \$500	24,50	ny.	28	1533	" كرند	10.5	113	181/4	41.	M"	5.56 to 1	13 61	155	23



LOCATION LAYOUT



Horace F. McKay, Jr. and William J. Mayhew Sec. 7, T19N, R6W 2050'FNL, 2065'FEL McKinley County, N.M. #1 Navajo C