SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

_									•
31	0	 0	2	1	-J	\wedge	\leq	シス	
			_			\sim	·. J	/ 0	,

	5. LEASE DESIGNATIO NOO-C-14-									
APPLICATIO	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Allotted									
1a. TYPE OF WORK DR	7. UNIT AGREEMENT									
WELL X	WELL OTHER	Wildcat	81) Z O	NGLE MULTIPL NE ZONE	* 🗌	8. FARM OR LEASE N	AMB			
2. NAME OF OPERATOR						Navajo) – A			
_•	Horace F. McKay	, Jr. & Wil	liam	J. Mayhew	ŝ	9. WELL NO.	3			
3. ADDRESS OF OPERATOR	P.O. Box 14738				-		* * * * * * * * * * * * * * * * * * *			
	Albuquerque, Ne	w Mexico 8	7111			10. FIELD AND POOL, OR WILDCAT				
4. LOCATION OF WELL () At surface	Wildcat Masure									
V	830'FSL,	2310'FWL				11. SEC., T., R., M., OR BLE AND SURVEY OR AREA				
At proposed prod. zo	^{ne} Same					Sec. 7, T19N, R6W				
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST	OFFICE	•	·.	12. COUNTY OR PARIS	1			
6 miles sout	hwest Star Lake	Compressor	Stat	ion	•	McKinley	New Mexico			
15. DISTANCE FROM PROF LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr	T	ο'	16. NO.	of acres in lease	OF ACRES ASSIGNED THIS WELL 40					
18. DISTANCE FROM PRO	DRILLING COMPLEMEN			POSED DEPTH		RY OR CABLE TOOLS				
OR APPLIED FOR, ON TE	HIS LEASE, PT.	one	2250	Point Lookout		Rotary				
21. ELEVATIONS (Show wi	nether DF, RT, GR, etc.)		July 25							
23.)	PROPOSED CASIN	G AND	CEMENTING PROGRA	M		:			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	FOOT SETTING DEPTH			QUANTITY OF CEMENT				
11	7	24#		96		80 sx				
64	4 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 If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout zone рге

4. Original Signe Fy: BIGNED CLAUDE C. BENNIED	TITLE Agent	DATE 6-18-1979
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:		JUN ALL
ak Such		

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY DURANGO, COLO.

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

		All distance		the outer boundaries of	the Section.	Wall Ma					
Horace F. Mcl	(ay, Jr. & Wi]	lliam J.	Mayhew	NAVAJ	10 - A	Well No.					
Unit Letter N	Section 7	Township	19	Range 6	McKINLE)	-					
Actual Footage Loca		uth	line and	2310	WEST	line					
Ground Level Eiev: 6782	Producing For		Poo	Wildcat	/	Dedicated Acreage: 40 Acres					
1. Outline the	e acreage dedica	ted to the	subject well	by colored pencil o	or hachure marks on t	ne 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?											
Yes	No If an	swer is "y	es," type of co	onsolidation							
	is ''no.'' list the (owners and	tract descript	ions which have a	ctually been consolid	ated. (Use reverse side of					
						nmunitization, unitization, approved by the Commis-					
				i		CERTIFICATION					
				 	tained he	certify that the information con-					
	1 1 1				Lan	le C. Kron ly					
	+	·			Name Claud	e C. Kennedy					
						Agent Horace F. McKay, Jr.					
	. 				& Will	iam J. Mayhew					
		7				6-18-1979					
					I hereby	chily was plotted the field					
	; ! !				notes under 15	supervision, and that has me					
				1 200 2 6	knowled	HERO LECT S					
	2310			No.	Date Surve	yed					
		1, 25	# · · · · · · · · · · · · · · · · · · ·			Professional Emipeer					
	-			to I	1-01-	-if. ilean_					
C 320 660	190 1320 1650 196	30 2310 264	2000	1500 1000	Certificate	No.					

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

DEVELOPMENT PLAN FOR SURFACE USE

WELL: #1 Navajo A

LOCATION:

830'FSL, 2310'FWL Sec. 7, T19N, R6W McKinley County, N.M.

LEASE NUMBER:

NOO-C-14-20-2684

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 tollet 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.

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.

Criginal 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 A

LOCATION:

830'FSL, 2310'FWL Sec. 7, T19N, R6W McKinley County, N.M.

LEASE NUMBER:

NOO-C-14-20-2684

- 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. <u>Drilling fluids</u>.

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

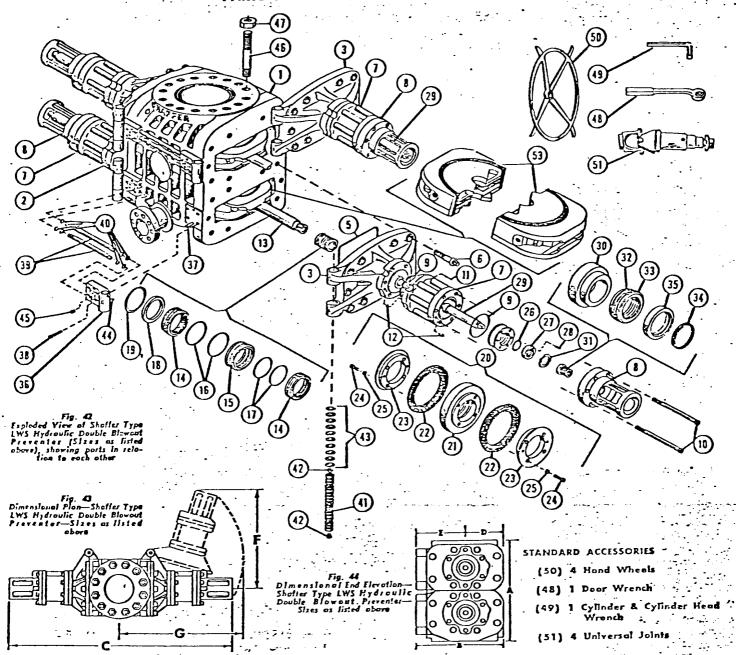
- 9. Abnormal temperatures, pressure, or hazardous conditions.
 None expected.
- 10. Starting Date.

 Anticipated starting date is 7-25-1979... 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 (Palanted)

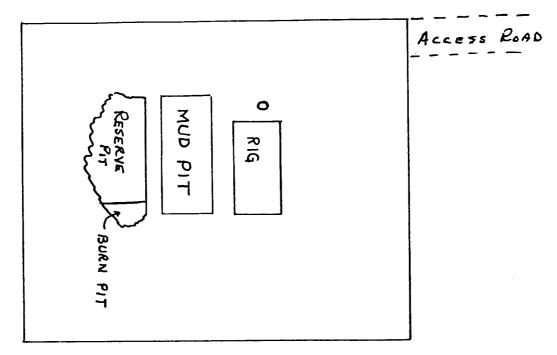
TYPE LWS PREVENTERS—8", 3000 Lb. & 5000 lb.—10", 5000 Lb. 12", 3000 Lb.—13 %", 5000 Lb.—16", 3000 Lb.

PARTS AND DIMENSIONAL ILLUSTRATIONS



DIMENSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS

	••••••																				
-	I		F	•:		TT *4.	<u> </u>		Ā		3	C	D	E	7	G					
	Max			•		LWeight Jer		- H	्रीम				1	1	Dear	Dear		·	Gala.	Galo	-
	Service	Total		31ez	Stadde	d Flange	20	Ça ·	Det	No.			Crate	Crater	Open	Open fo	Ţ.,		To To	Ji-iil	
5=0		Free	Tortical Zore		Sieffe	Dauble	Sindded Thafe	Police Plante	Studded Flants	Eshed Finale	Wild	Leagib	Frest	Te Rear	Charge	Cheefe	Cosing Ratio	Opening Ratio	Costs Rome	Russ	, - [']
	3,100		9"	7"		3,500			2015° 2015	4136"	25%° 25%°	25%	1114	1456	23"	46"	5.5 to 1	1.20 to 1	2.75	23 23	
) =	1 1CO		11.	11/2	\$,000	7,000	2136"	2434*	23"	27. 27.	25 % 25 %	75 X 75 X 15 X 15 X	1237	1434	22°	46,	EJ 16 1	15 to 1	223	27	•
1175		10,000	125	16%	€,800	6.300 6.700	3636	મંદ્ર	34.74°	4576	2376	52.3		18%	41	54"	556 to 1	12 201	3.55 3.5	2.9 22	_



SCALE LINCH = 30 FEET

MAX: 6 INCH CUT OR FILL REQUIRED

Horace F. McKay, Jr. and William J. Mayhew Sec. 7, T19N, R6W 830'FSL, 2310'FWL McKinley County, N.M.

#1 Navajo A