SUBMIT IN TRIPLICATE.

(Other instruction reverse side)

Form approved, Budget Bureau No. 42-R1425.
-045-23019
SE DESIGNATION AND SERIAL NO.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

•	MI	ルーフフ	043				
6.	IF	INDIAN.	ALLOTTEE	OR	TRIBE	NAME	_

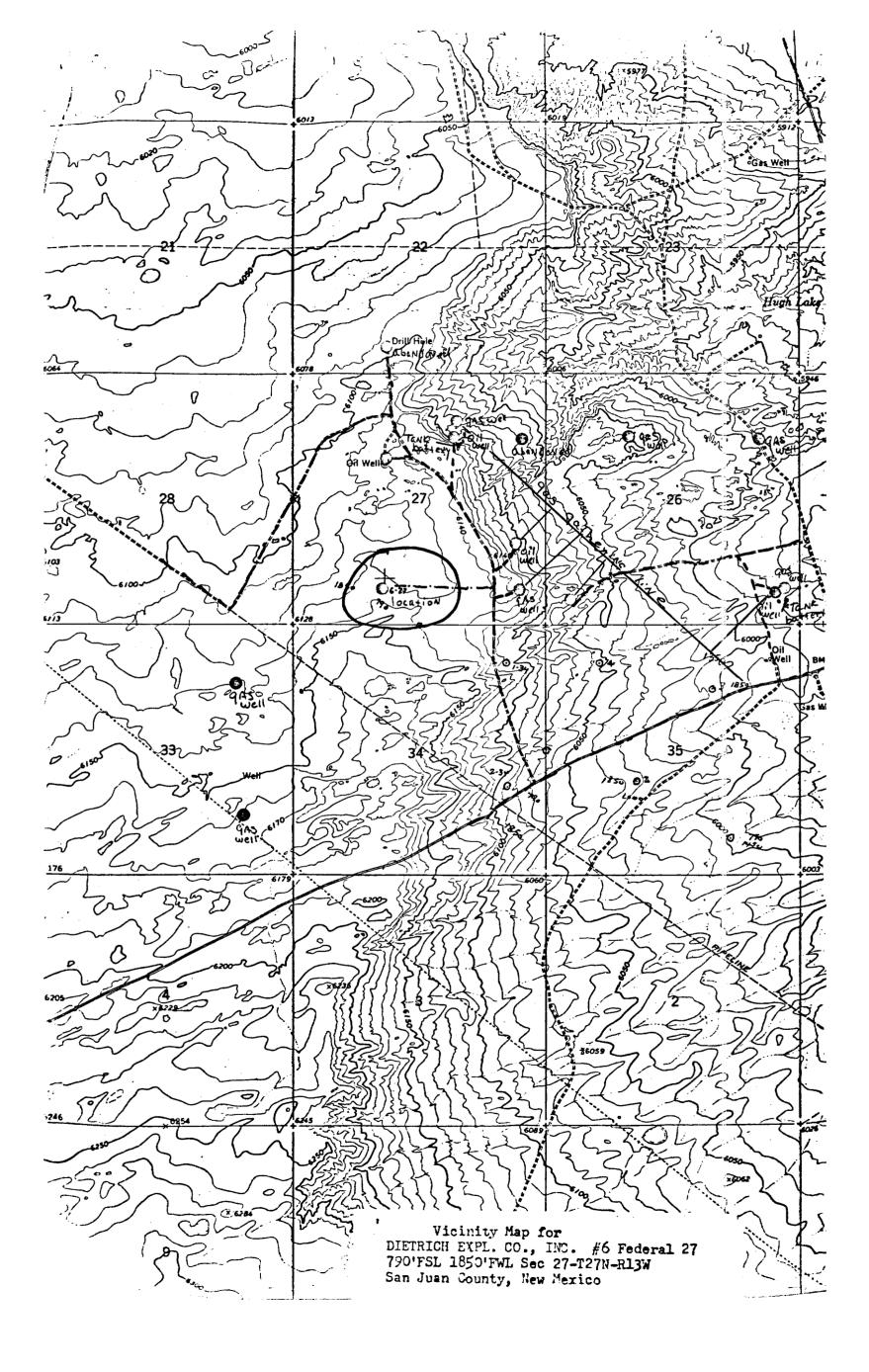
APPLICATION	N FOR PERMIT	TO DRILL, I	DEEPEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
a. TYPE OF WORK DR	ILL 🔀	DEEPEN	☐ PLUG BA	CK 🗆	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL			SINGLE (F) MULTI			
	VELL X OTHER		ZONE Z ZONE		8. FARM OR LEASE NAME	
A A THE OF OPERATOR	lamatian Comm	SANT			Federal 27	
_	loration Comp	any		202	9. Wall No.	
3. ADDRESS OF OFERATOR 02 Midland	Savings Blde	LUU Sev			O10. FIELD AND POOL, OR WILDCAT	
			th any State requirements.*)	-, 001	WAW PACTURED Cliffs A	
	FSL & 1850		in any state requirements.	/	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zon	same				S27-T27N-R13W	
4. DISTANCE IN MILES	AND DIRECTION FROM NE.	AREST TOWN OR POS	T OFFICE*		San Juan N.M	
15. DISTANCE FROM PROPO LOCATION TO NEAREST			16. NO. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE I (Also to nearest drig	LINE, FT.		320	16		
8. DISTANCE FROM PROP	POSED LOCATION®		19. PROPOSED DEPTH		ROTARY OR CABLE TOOLS	
TO NEAREST WELL, D OR APPLIED FOR, ON TH			1500°		rotary	
1. ELEVATIONS (Show wh					22. APPROX. DATE WORK WILL START*	
61 37 8	g.1				April 17,1978	
3.		PROPOSED CASI	NG AND CEMENTING PROGE	MAS		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT SETTING DEPTH	_	QUANTITY OF CEMENT	
7 7/8"	5 1 n	14	40.	50	sk.	
4 3/4"	2~7/8"	6.5	1,500 1	_ 12	5 sk	
	gar le	and del	neolect		WAY TO 1818 OIL OUST. 3	
one. If proposal is to reventer program, if any	drill or deepen direction	ally, give pertinent		present prod	juctive some and proposed new productive d and true vertical depths. Give blowout	
APPROVED BY		TI1	rln		DATE	
CONDITIONS OF APPROV						
of Erm	L					

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 3-102 Supersedes C-128 Effective 1-1-65

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

Dietrich Exploration Company, Inc. Dietrich Exploration Company, Inc. Federal 27 Range County San Juan
Name Section Township 13W San Juan
Actual Footage Location of Well: 790
Actual Footage Location of Well: 790 100
Producing Formation Pictured Cliffs Pictured Cliffs Pool Producing Formation Pictured Cliffs Pictured Cliffs Pool Producing Formation Pictured Cliffs Pool Producing Formation Pool Reference Pool Pool Pool Pool Pool Pool Pool Poo
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? 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 Commission.
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3E Company Company
APRIL 10, 1978
Date
Sec 27
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.
+
under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyor
Date Surveyor Date Surveyor
April April 18 1
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330 660 90 1320 1650 1980 2310 2640 2000 1500 1000 500 0 3950 KERR.



Dietrich Exploration Company Formation Information and Drilling Procedures

WELL:

Federal 27 No.6

LOCATION:

790' FSL & 1850' FWL Sec. 27, T27N,R13W San Juan Co., Utah

LEASE NUMBER:

NM-33043

1) Geologic name of surface formation:

Ojo Alamo

2) Estimated tops of important geologic markers:

Kirtland 192' Fruitland 997' Pictured Cliffs 1360'

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

997' Gas 1360' Gas

4) Proposed casing program:

Surface - $5\frac{1}{2}$, 14.0 lb/ft., K-55, used casing, to be set at 40'. Cement to be 50 sk. Class "B" with 2% CaCl₂.

Production - 2 7/8", 6.4 lb/ft J-55, used, to be set at 1500'. Cement to be 125 sk. Class "B".

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 manuallychecked when practical.

6) Drilling fluids:

Depth Type Viscosity Weight Fluid loss 0-1500' gel-lime 35-55 8.9-9.2 15 C.C.

7) Auxiliary equipment:

(a) bit float

(b) full opening valve for stabbing in drill pipe when the kelly is not in use

8) Logging - Coring - Drill Stem Testing:

Logging-Induction Electric Log, Formation Compensated Density-Compensated Neutron log, Gamma ray, Caliper

Coring-None

Drill Stem Testing-None

9) Abnormal temperatures, pressures, or hazardous conditions:

None expected.

10) Starting date:

Anticipated starting date is April 17, 1978, approximately 5 days will be needed to build roads and location and drill the well to total depth. If commercial, completion will commence immediately and require approximately 3 days to complete.

Dietrich Exploration Company Development Plan for Surface Use

WELL:

Federal 27 No. 6

LOCATION:

790' FSL & 1850' FWL Sec. 27, T27N, R13W San Juan Co., New Mexico

LEASE NUMBER:

NM-33043

1) Existing Roads. (Shown in green.)

The attached topographic map shows all existing roads within one mile of the proposed location. Access will be made to a county road 1 mile south of the location.

All existing roads are in good condition and will not have to be upgraded to handle normal drilling activity traffic.

2) Planned access road. (Shown in red.)

The planned access road will be approximately ½ mile long and 20' wide. Maximum grade will be about 5%. No turnouts or culverts will be required. Water bars will be used to aid drainage and prevent erosion. No surfacing material will be required. No gates, cattle guards, or fences will be crossed. No cuts or fills should be required.

3) Location of existing wells:

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

4) Location of tank batteries, production facilities and production, gathering and service lines:

All production facilities are to be contained within the proposed location. All other facilities owned or controlled by Dietrich Exploration are shown on the attached topographic map.

5) Location and type of water supply:

Water for drilling will be trucked from El Paso Natural Gas Chaco Plant, located 6 miles southeast of 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 disposal:

(Refer to attached well site layout.)

All burnable material will be burned in the trash pit when conditions permit. All non-burnable material (drilling fluids, cuttings, chemicals, etc.) will be held in the reserve pit and buried when dry. Any oil produced while drilling will be trucked from the location prior to leaving the pit to dry. Pits will be fenced during dry-out time, then completely back-filled with dirt prior to preparing the location for production or abandonment.

8) Ancillary Facilities:

No ancillary facilities are planned.

9) Well site layout:

The attached layout shows the drilling rig with all facilities. Cut and fill required is also indicated.

10) Plans for restoration of surface:

Restoration of 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 site and road will have top soil replaced and will be reseeded when germination can occur.

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

In either case, clean up of the site will include burning any safely burnable material, filling of all pits, carrying away of all non-burnable material and chemicals that can not be 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.

The drilling site is flat and is covered with sage brush and other native grasses. There are no creeks, rivers or ponds in the area. The soil is sandy loam. Small animals and sheep inhabit the area.

The surface is part of the Navajo Irrigation Project, administered by the Bureau of Indian Affairs.

There are no occupied dwellings in the area.

There are no archaeological or cultural sites visible on the location. The archaeologist report is forth coming.

12)

John Alexander 3E Company, Inc. P.O. Box 190 Farmington, NM 87401 Phone: 505-327-4020

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 Dietrich Exploration Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

4-13-78

John Alexander

Should further information be desired, please advise.

Yours very truly,

John Alexander

JA:dew

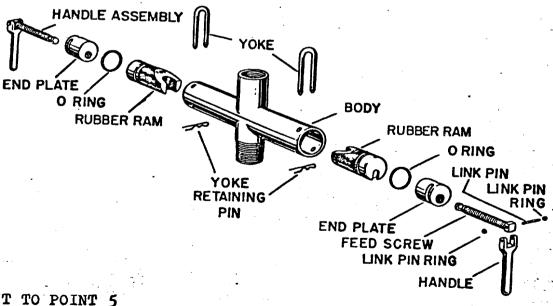
Attachments



G TUBING BLOWOUT PREVENTERS

G BLOWOUT PREVENTER RAMS

PREVENTER SIZE	2-3/8"	2-7/8."	3-1/2"
RAM I.D. INCHES	Part No.	Part No.	Part No.
Blank	28262	28263	28264
9/16"	59383	45019	59388
5/8"	44948	44969	59393
3/4"	59391	41502	59410
7/8"	59392	54571	59389
1"	5938 4	59386	45903
1.050"	44949	41424	45056
1-1/8"	28354	28335	28365
1-1/4"	28355	28331	28366
1.315"	45055	44109	44057
1-3/8"	44730	59 387	44964
1-1/2"	28356	28337	28367
1-5/8"	59385	46780	59390
1.660"	45462	43629	44963
1-3/4"	28357	28346	28368
1.900"	45463	43630	45609
2.063"	••••	••••	59394



ATTACHMENT TO POINT 5 API SERIES 6" 600

