Form 9-331 C (May 1953)

SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

Form approved, Budget Bureau No. 42-R1425,

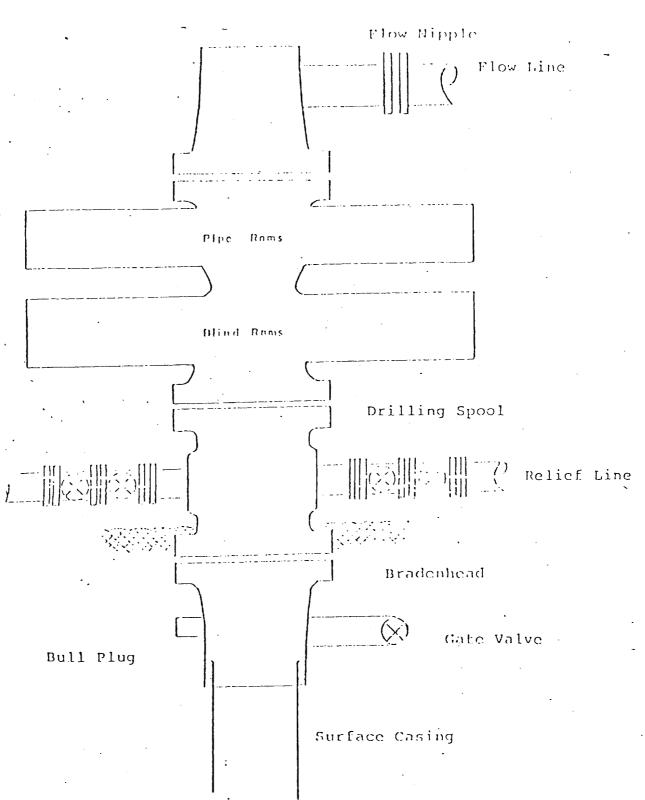
UNITED STATES DEPARTMENT OF THE INTERIOR	(Other instructions on reverse side)	30-045-2 5. LEASE DE SELECTION AND	39
GEOLOGICAL SURVEY		NM 33050	

APPLICATION	Y FOR PERMIT	O DRILL,	DEEPE	N, OR PLUG B	<u>ACK</u>	O. 16 ISDIAS, ALLOTTEE OR TRIES NAME.
1a. TYPE OF WORK	ILL 🔯	DEEPEN		PLUG BAC	K 🗌	7. UNIT AGREEMENT NAME
b. Type of Well					_ —	·
	ELL OTHER	<u></u>	ZO			S. FARM OR LEASE NAME
2. NAME OF OPERATOR	1			CEIVED	1	Jacobs
-	duction Corp.		RE	CEIVE.	1	9. WELL NO.
3. ADDRESS OF OPERATOR	NM		•	CT 25 1979	1	2
	Farmington, NM		0	CT 25 10.		10. FIELD AND POOL, OR WILDCAT
1 4 au - 6 . a -	eport location clearly and	in accordance wi	ith any Si	TATE REQUIREMENTS OF VEY	1	Basin Dakota -
1800 FNL - 1800 FEL \ a cFOLUGION M. \ 11. si					11. SEC., T., R., M., OR BLK. AND SUBVEY OR AREA	
At proposed prod zone					Sec 26 T30N R14W	
		<u> </u>				12. COUNTY OR PARISH 13. STATE
	and direction from NEA Orth of Farming		ST OFFICE	•		San Juan NM
15. DISTANCE FROM PROPO			1 16. No.	OF ACRES IN LEASE	17. No. 0	F ACRES ASSIGNED
LOCATION TO NEAREST PROPERTY OR LEASE I	r	790'		400	TOT	#J\$ /320
(Also to nearest drig	g. unit line, if any)		- 10 PP	POSED DEPTH	20 POT	RY OR CABLE TOOLS
TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	*1	1		zo. Roza	
21. ELEVATIONS (Show who		None	i b	125'	-	Rotary 1 22. APPROX. DATE WORK WILL START*
•	emer Dr, KI, GK, ecc.)					
5620' GR						l Dec. 5, 1979
20.	, F	ROPOSED CASI	NG AND	CEMENTING PROGRA	M 	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER S	FOOT	SETTING DEPTH		QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# Ne	ew e	225'		125 sx
7-7/8"	4-1/2"	10.5#_		5250'		700 sx
perforate. Plan to us	se BOP furnished se BOP rental w	ut after fr d by rig wh	rac, r nile d	un 1-1/4" tbg a	and cor	i hydraulic)
NMERB: Ga	as not dedicate	d.				Market Commence of the Commenc
clearance	which was issu	ed for the	Jacob	s #1 well.		e archaeological OCT 8 11979 OIL COM.
IN ABOVE SPACE DESCRIBE zone. If proposal is to preventer program, if an 24.	drill or deepen directions	proposal is to dee	epen or plat data o	ug back, give data on pr n subsurface locations an	esent prod d measure	ductive zone and proposiditely preductive d and true vertical depths. Give blowert
SIGNED Thomas	. allegan	TI	1TI.EP	etroleum Engine	eer	10-23-79
(This space for Fede	eral or State office use)			APPROVAL DATE		
						DATE
CONDITIONS OF APPROV		TI	ITLE			DATE
oh 3	inch					

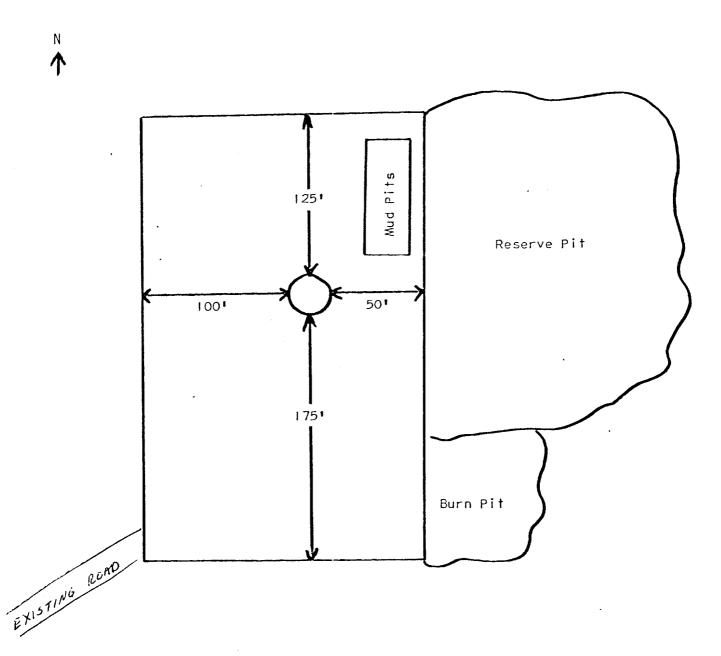
*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well No. Lease Operator 2 Jacobs Dugan Production Corp. Tawnship Section Unit Letter San Juan 30 North 14 West 26 Actual Footage Location of Well: 1800 East North 1800 feet from the line line and feet from the Dedicated Acreage: Producing Formation Pool Ground Level Elev. 320 Basin 5620 ' Dakota 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 _ Yes 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-CERTIFICATION I hereby certify that the information contained herein is true and complete to the Thomas A. Øugan Position Petroleum Engineer 1800 Company Dugan Production Corp. Date 10-23 - 79 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. Date Surveyed 10-19-79 Registere i Professional Engine and/or L 2373 Α. Thomas 500 1500 1000 2000



Scries 900 Double Gate BOP, rated at 3000 psi Working Pressure
When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.



DEVETORIZING PLAN

	_Dugan.Production_Corp
	Jacobs #2
	1. Existing roads and existing wells are shown on attached plat.
	2. Planned access from existing road approximately0 to new location. Will leave natural grass and small vegetation on roadway. Will remove large brush or trees from road. Do not plan to make road grade or bar ditches. Will bottom-out any arroyo we cross and not install culverts.
	3. Location of well: 1800' FNL - 1800' FEL
	Section 26 I30N R14W
	San Juan County, NM
•	4. No additional well(s) planned on this lease at this time.
ţ	5. Separator and flow line will be located within 50' of wellhead.
ϵ	. Water will be secured from <u>San Juan River</u>
7	. Waste materials will be buried on location or in reserve pit.
8	
9	. Do not plan to build airstrip.
10	
11	
12.	
13.	Estimated tops of important geologic markers: See Attached Operations Plan
14. 15.	Estimated depths of anticipated water, oil, gas, or other mineral bearing formations which are expected to be encountered: Water - surface - Kirtland gas - Pictured Cliffs - 1275' gas - Dakota - 5880' We do not anticipate to encounter any abnormal process.
	potential hazards such as those associated with hydrogen sulfide.
16.	Will clean up location, fill and level pits, level ruts in road, reseed location and road with Seed Mixture #2 and paint equipment with Sandstone Brown
17.	Operator's Representative:
	Thomas A. Dugan Box 234
	Farmington, NM 87401
18.	field representative who is identified in Item #17 of the Plan:
	I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this 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 Dugan Production Corp. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.
	Date: 10-19-79 Thomas A. Dugan

OPERATIONS PLAN

OPERATOR: Dugan Production Corp.

WELL NAME: Jacobs #2

FIELD:

Basin Dakota

LOCATION:

1800' FNL - 1800' FEL ...

ELEVATION:

5620' GR

EXPECTED FORMATION TOPS: Ojo Al.

Ojo Alamo		Point Lookout	3685 '
Kirtland		Mancos	4045'
Fruitland	8 80'	G allup	5015'
Pictured Cliffs	1275'	Greenhorn	5 765'
Lewis	1450'	Graneros	5830'
Cliff House	2800'	Dakota	5880'
Menefee	2935'	Total Depth	6125'

LOGGING PROGRAM: IES and CDL

SAMPLES:

CASING PROGRAM

<u>Hole Size</u>	Depth	Csg Size, Wt, Grade, & Condition	Cementing Program
12-1/4"	225'	8-5/8" 24# 9R ST&C csg	Cement w/125 sx class "B" w/2%
7-7/8"	7-7/8" 6125' ` 4-1/2" OD 10.5# 8R ST&C csg	1st stage 200 sx class "B" w/8% gel and 1/4# flocele per sx	
			2nd stage 400 sx 65-35 w/12% gel and 1/4# flocele per sx followed by 100 sx class "B" w/4% gel and 1/4# flocele per sx.

WELLHEAD EQUIPMENT

Office Tom Dugan Jim Jacobs Kurt Fagrelius	-	325-0238 325-5694 325-8353 334-3381
Kurt Fagrelius Bill Donovan James Hazen		334-3381
James Hazen		

