6-USGS (Farmington) 1-Wexpro 1-File

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-045-23915

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: NM 10875

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Nick's Deal

2. NAME OF OPERATOR: Dugan Production Corp.

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: Box 208, Farmington, NM 87401

10. FIELD AND POOL, OR WILDCAT: ~~Wildcat~~ Twin Mounds PC Ext.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 870' FSL - 1070' FEL
At proposed prod. zone:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 13 T30N R15W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 4-1/2 miles north of Kirtland, NM

12. COUNTY OR PARISH: San Juan

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 870'

16. NO. OF ACRES IN LEASE: 1840

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: —

19. PROPOSED DEPTH: 800'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5374'

22. APPROX. DATE WORK WILL START*: Nov. 25, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7-7/8"	5-1/2"	14#	90'	20 sx
4-3/4"	2-7/8"	6.4#	800'	100 sx

Plan to drill 4-3/4" hole to test Pictured Cliffs Formation. Plan to run IES log to TD. If productive, plan to set 2-7/8" tbg for csg, cement, selectively perforate, frac, cleanout after frac, run 1-1/4" tbg and complete well.

Plan to use 3000 psi BOP per attached schematic diagram. Will use master valve and stripper head while completing well.

NMERB: Gas not dedicated

RECEIVED
OCT 25 1979
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

OCT 31 1979
OIL CON. COM.
DIST. 3

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

24.

SIGNED T. A. Dugan — Thomas A. Dugan — TITLE Petroleum Engineer — DATE 10-22-79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NMOCC

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator	Lease	Well No.
Dugan Production Corporation	Nick's Deal	1

Unit Letter	Section	Township	Range	County
P	13	30 North	15 West	San Juan

Actual Footage Location of Well:
870 feet from the South line and 1070 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5374	Pictured Cliffs	~~Twin Mounds~~ Wildcat	160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

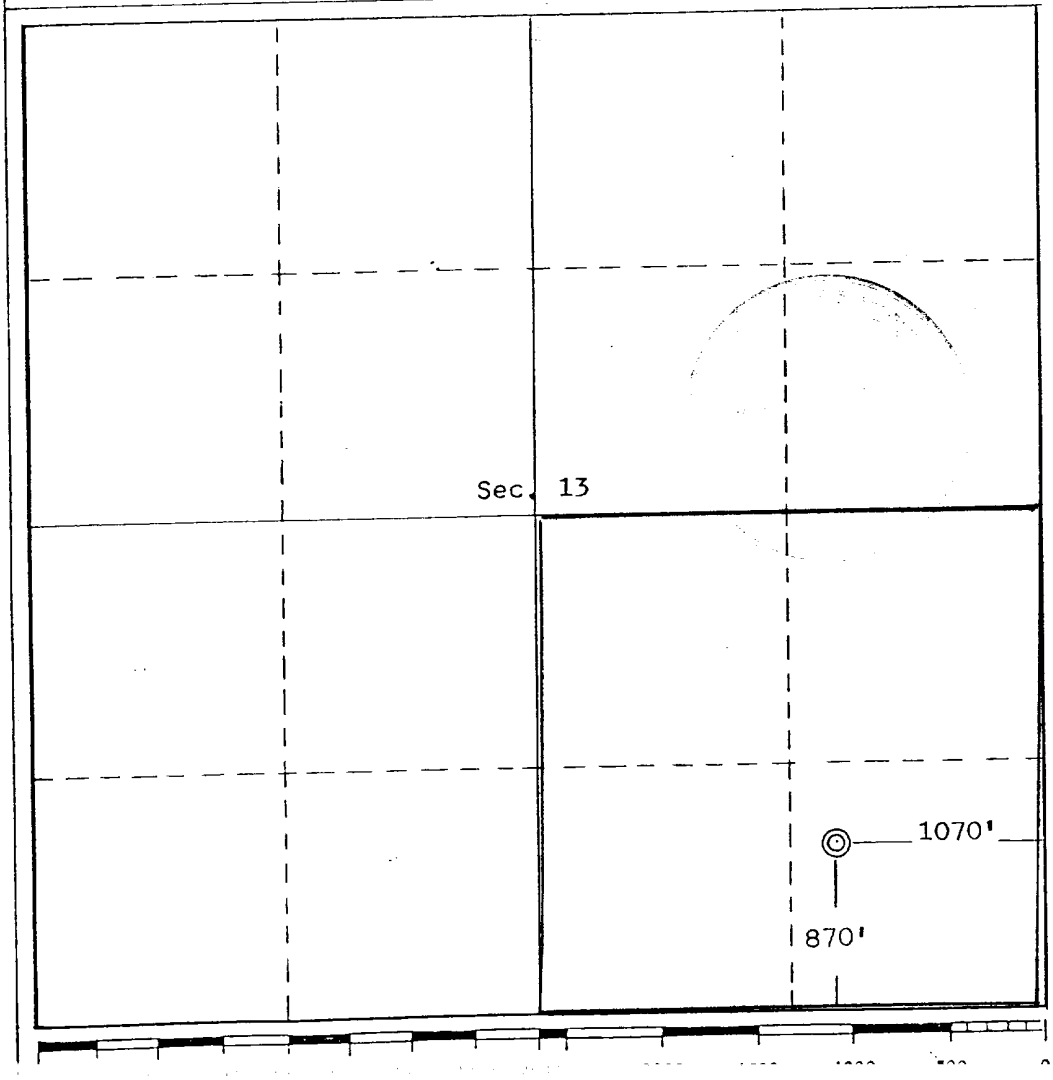
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

T. A. Dugan

Name: Thomas A. Dugan

Position: Petroleum Engineer

Company: Dugan Production Corp.

Date: 10-22-79

EDGAR L. RISENHOOVER NEW MEXICO 5979 REGISTERED LAND SURVEYOR

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: October 19, 1979

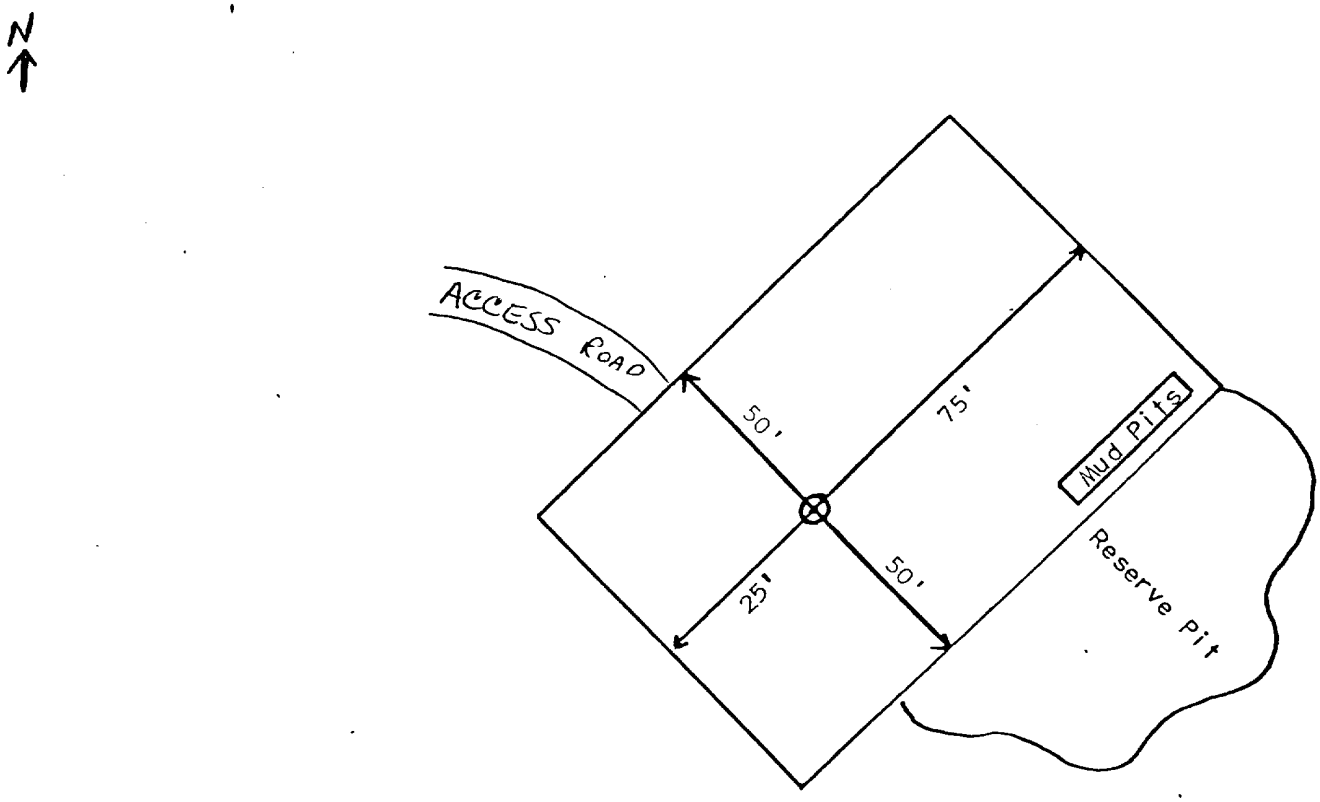
Registered Professional Engineer and/or Land Surveyor

Edgar L. Risenhoover

Certificate No. 5979

Edgar L. Risenhoover, L.S.

Dugan Production Corp.
Nick's Deal #1
PROPOSED LOCATION LAYOUT

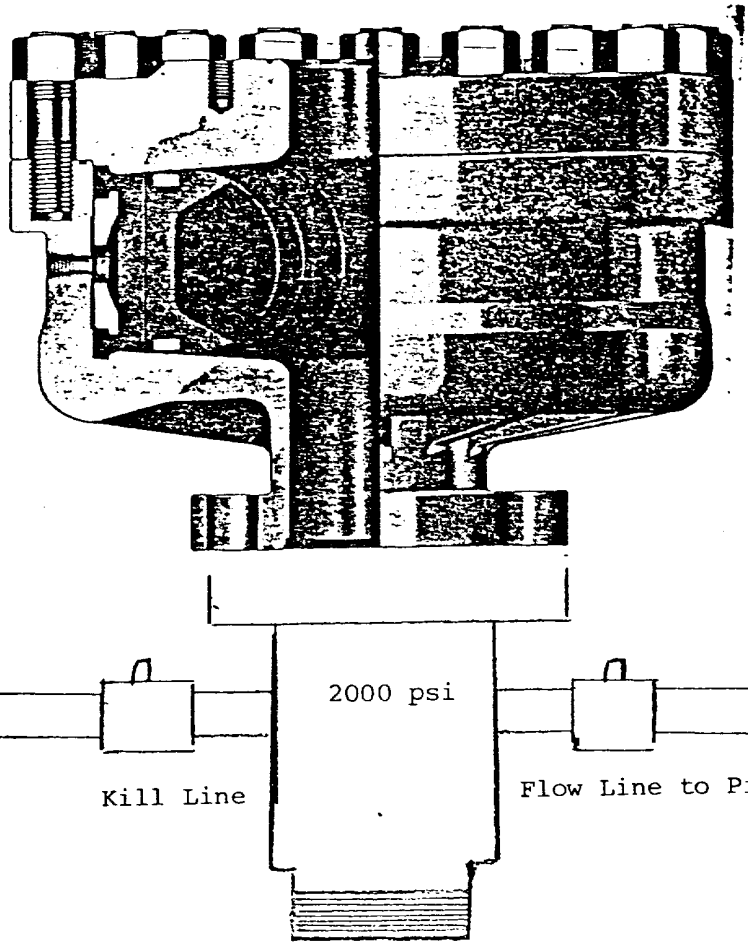


SCHEMATIC DIAGRAM

TESTING PROCEDURES

Install BOP after setting surface pipe and pressure test to 1000 psi after drilling out from under surface pipe.

REGAN BLOWOUT PREVENTERS



The Regan Torus Blowout Preventer is used primarily on production and workover rigs for well control up to 3000 PSI working pressure

DESIGN FEATURES

a. The Torus Preventer is designed for minimum height to facilitate its use with production and workover rigs.

b. The rubber packer will conform to any object in the well bore. Sealing ability is not affected by minor damage to the inner bore.

c. The packer will seal on open hole at full working pressure.

d. The dual packer design increases the reliability of the preventer since the outer rubber is never exposed to the well bore. Under ordinary service, the outer packer is rarely replaced.

TORUS BLOWOUT PREVENTER
PATENTED

SPECIFICATIONS

Nominal Size	Test Pressure (psi)	DIMENSIONS (In.) Outside Diameter	Thru Bore	Overall Height	Weight (lb.)	End Flanges (1)	R/RX Ring Grooves	Side Outlet
6	3000 6000	27 28⅜	7⅛ 7⅛	19⅛ 21⅛	1360 1950	Nom. 6 Nom. 6	45 45	None 2" L.P.

OPERATIONS PLAN

OPERATOR: Dugan Production Corp.

WELL NAME: Nick's Deal #1

FIELD: Twin Mounds Pictured Cliffs Extension

LOCATION: 870' FSL - 1070' FEL Sec 13 T30N R15W San Juan County, NM

ELEVATION: 5374'

EXPECTED FORMATION TOPS:

Ojo Alamo		Point Lookout
Kirtland		Mancos
Fruitland	334'	Gallup
Pictured Cliffs	625'	Greenhorn
Lewis		Graneros
Cliff House		Dakota
Menefee		Total Depth

LOGGING PROGRAM: IES

SAMPLES:

CASING PROGRAM

Hole Size	Depth	Csg Size, Wt, Grade, & Condition	Cementing Program
7-7/8"	90'	5-1/2" OD 14# 8R ST&C	20 sx class "B"
4-3/4"	800'	2-7/8" OD 6.5# 10V EUE tbg for csg	Cement w/100 sx 2% Lodense w/ 1/4# cello flake per sx

WELLHEAD EQUIPMENT

Office -	325-0238
Tom Dugan	325-5694
Jim Jacobs	325-8353
Kurt Fagrelius	334-3381
Bill Donovan	325-5692
James Hazen	

DEVELOPMENT PLAN

Dugan Production Corp.

Nick's Deal #1

1. Existing roads and existing wells are shown on attached plat.

2. Planned access from existing road approximately 1000' 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: 870' FSL - 1070' FEL
Section 13 T30N R15W
San Juan County, NM

4. No additional well(s) planned on this lease at this time.

5. Separator and flow line will be located within 50' of wellhead.

6. Water will be secured from San Juan River.

7. Waste materials will be buried on location or in reserve pit.

8. No permanent camp is planned; trailer house will be used on location while drilling.

9. Do not plan to build airstrip.

10. See attached plat for proposed location layout.

11. A general description of the topography, soil characteristics, geologic features, flora and fauna; other surface-use activities and surface ownership of involved lands, proximity of water, occupied dwellings, archeological, historical or cultural sites can be found in the archeologist's report.

12. Geologic name of surface formation: Undifferentiated Tertiary

13. Estimated tops of important geologic markers:

Fruitland 334' Pictured Cliffs 625'

14. Estimated depths of anticipated water, oil, gas, or other mineral bearing formations which are expected to be encountered:
Surface - 200' water Pictured Cliffs - 625' gas

15. We do not anticipate to encounter any abnormal pressures or temperatures or any 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. Certification: The following statement must be signed by the lessee's or operator's 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: 10-22-79

Thomas A. Dugan

Thomas A. Dugan

Existing Road

Access Road