

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐

OTHER

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

Dugan Production Corp.

3. ADDRESS OF OPERATOR

Box 234, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

240' FSL - 2480' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12 miles north of Shiprock, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

240'

16. NO. OF ACRES IN LEASE

2228.2

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED, 1/4 mi approx
OR APPLIED FOR, ON THIS LEASE, FT.

1200'

20. ROTARY OR CABLE TOOLS

Rotary

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

5553' GR

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4	7"	20#	60'	12 SX
6-1/4	4-1/2"	10.5#	1200'	50 SX

Plan to drill well with air to test the Gallup Formation.

If productive, plan to set 4-1/2" casing, selectively perforate, sand oil frac, cleanout after frac, run 2-3/8" tbg and rods, put well on production.

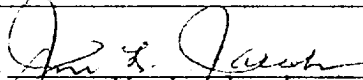
Plan to use Regan hydraulic bag type BOP while drilling, plan to use master valve while completing well.

NMERB Requirement: Gas not dedicated.

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


 Jim Jacobs
 (This space for Federal or State office use)

TITLE

Geologist

DATE

9-22-78

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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.

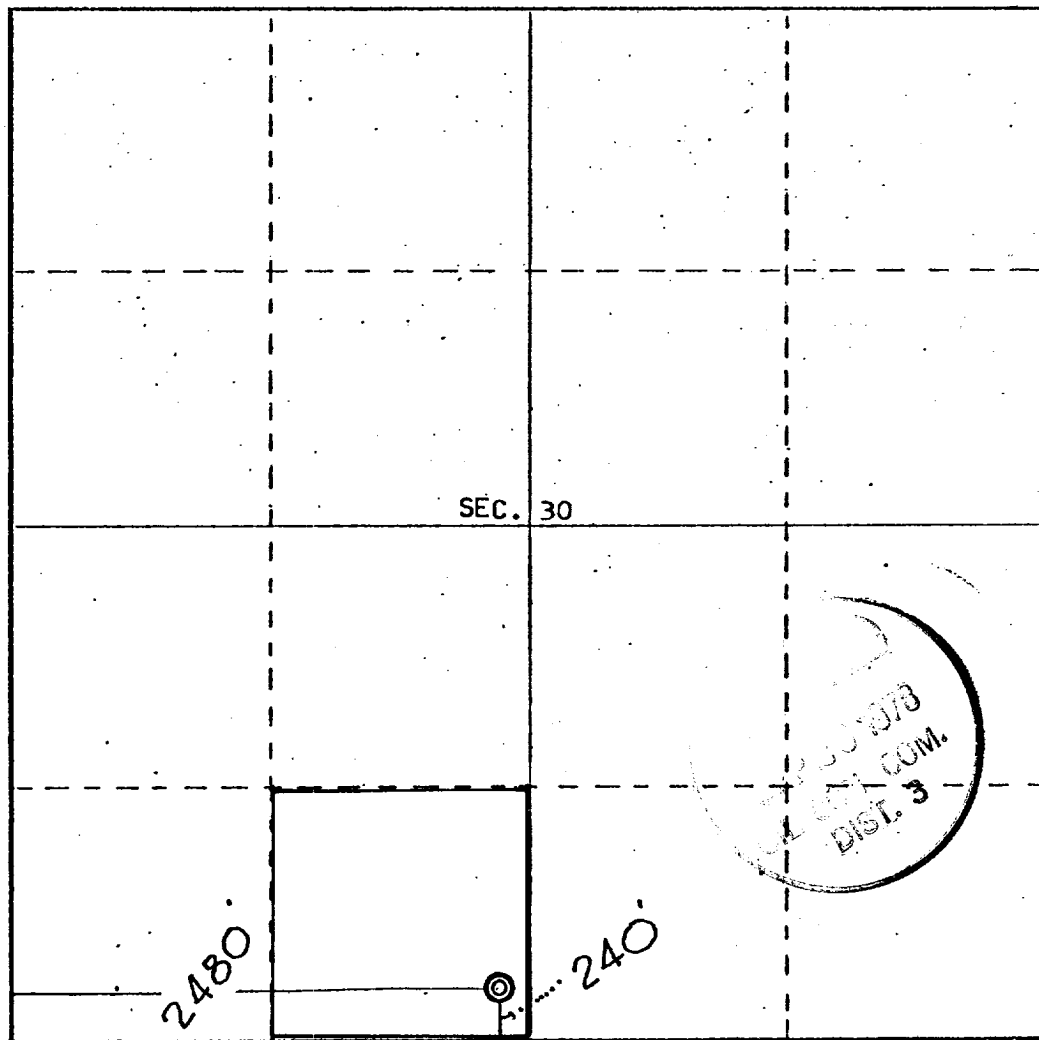
Operator Dugan Production Corporation		Lease Horseshoe		Well No. 7
Unit Letter N	Section 30	Township 32 North	Range 17 West	County San Juan
Actual Footage Location of Well:				
240	feet from the	South	line and	2480
				feet from the
				West
				line
Ground Level Elev. 5553	Producing Formation Gallup		Pool Horseshoe Mesa	Dedicated Acreage: 40 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.

Name **Jim L. Jacobs**

Position **Geologist**

Company **Dugan Production Corp.**

Date **9-22-78**

REGISTERED LAND SURVEYOR
E.V. ECHOHAWK
DIST. 3
Reg. No. 3602
I hereby certify that the well location on this plat was plotted from field notes of surveys made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed **September 7, 1978**

Registered Professional Engineer and/or Land Surveyor

E.V. Echohawk

Certificate No. **3602**
E.V. Echohawk LS

