

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

API 30-039-21246

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 23048
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Dugan Production Corp.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Box 234, Farmington, NM 87401		8. FARM OR LEASE NAME Sherman Edward
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 730' FSL - 580' FWL At proposed prod. zone		9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles northeast Northwest Pipeline Gobernador Camp		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 580'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA M- Sec 3, T29N, R5W
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Rio Arriba
17. NO. OF ACRES ASSIGNED TO THIS WELL W/ 322.72		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Approx 1000'		14. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 6100'		22. APPROX. DATE WORK WILL START* 6-5-76
20. ELEVATIONS (Show whether DF, RT, GR, etc.) 6752' GR		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/8"	9-5/8"	32.30#	200'	175 cu ft
8-3/4"	7"	20.00#	3850'	600 cu ft
6-1/4"	4-1/2"	10.50#	6100' Liner	200 cu ft

Set 7" casing thru Pictured Cliffs formation, drill with gas below 7" casing, to test Mesaverde formation.

Set 4-1/2" liner thru Mesaverde formation, selectively perforate, sand-water frac, clean out after frac, run 1-1/4" tubing, and complete well.

While drilling will use BOP furnished by drilling rig (10" 3000 psi hydraulic).

While completing will use rental BOP (6" 3000 psi manual).

NMERB Requirement: Gas dedicated to Northwest Pipeline Corporation.

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.

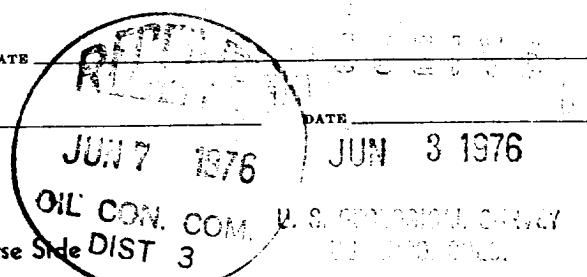
24. SIGNED Thomas A. Dugan TITLE Engineer DATE 5-28-76  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*OK*



\*See Instructions On Reverse Side

**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.

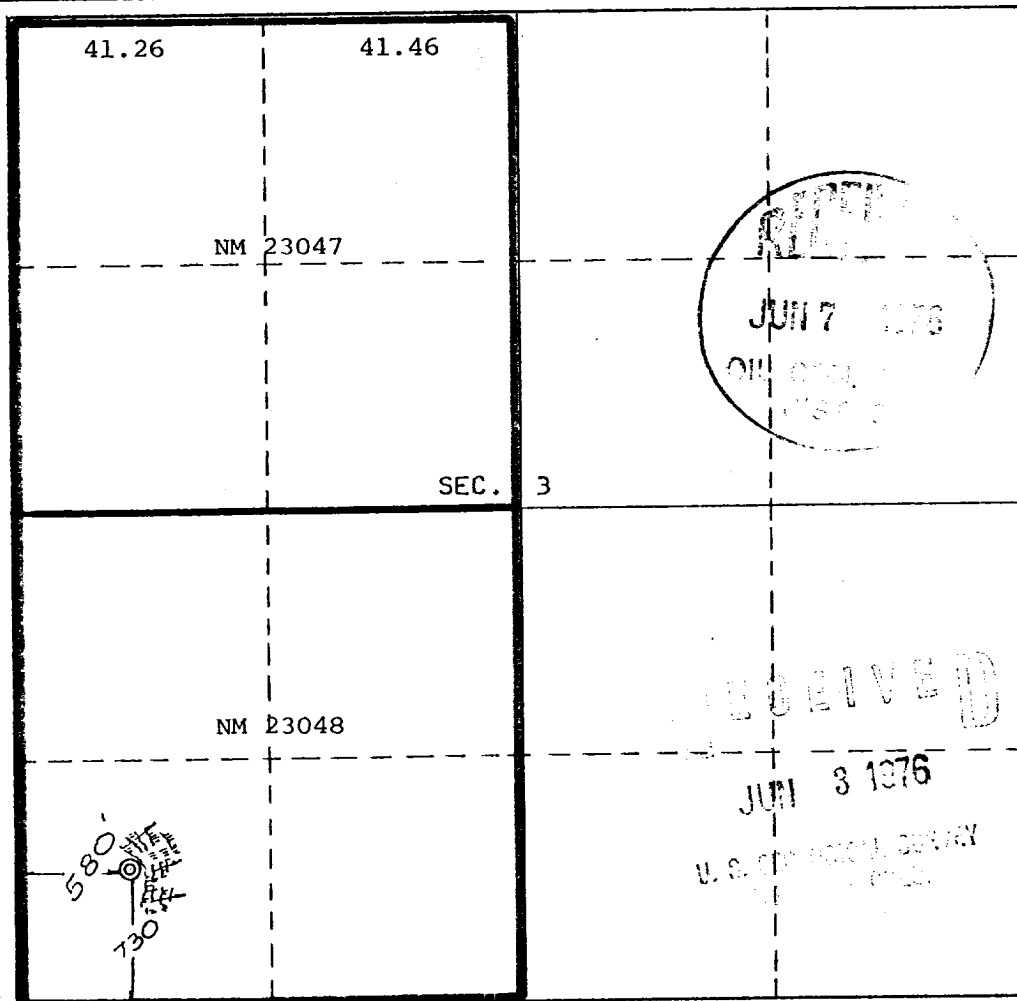
Operator <b>Dugan Production Corporation</b>			Lease <b>Sherman Edward</b>		Well No. <b>2</b>
Unit Letter <b>M</b>	Section <b>3</b>	Township <b>29 North</b>	Range <b>5 West</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>730</b> feet from the <b>South</b> line and <b>580</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6752</b>	Producing Formation <b>Mesaverde</b>	Pool <b>Blanco Mesaverde</b>	Dedicated Acreage: <b>322.72</b> 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 Plan to Communitize

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.

*Thomas A. Dugan*

Name  
**Thomas A. Dugan**  
Position  
**Engineer**  
Company  
**Dugan Production Corp.**  
Date  
**5-28-76**

*E.V. Echhawk*  
I hereby certify that the location shown on this plat was plotted from field notes of a survey made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**REGISTERED LAND SURVEYOR**  
**E.V. ECHHAWK**  
**Reg. No. 3602**

Date Surveyed  
**November 4, 1975**  
Registered Professional Engineer and/or Land Surveyor

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

