

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. SF 080 472		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input 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 Mobil Producing TX. & N.M. Inc.			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR Nine Greenway Plaza, Suite 2700, Houston, Texas 77046			8. FARM OR LEASE NAME Cullins-Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330' FNL & 990' FWL, Sec. 4, T24N, R3W At proposed prod. zone Same as surface			9. WELL NO. 3		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15.5 miles Northwest of Regina, NM			10. FIELD AND POOL, OR WILDCAT West Lindrith Gallup Dakota		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA D Sec. 4, T24N, R3W		
16. NO. OF ACRES IN LEASE 664.32			12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE NM		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 660'			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7071' Ground			22. APPROX. DATE WORK WILL START* As soon as permitted		
23. PROPOSED CASING AND CEMENTING PROGRAM			This action is subject to administrative appeal pursuant to 30 CFR 290.		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48.0#/ft H-40	0'-400'	Circulate to Surface
11"	8-5/8"	24.0#/ft K-55	0'-2300'	Circulate to Surface
		32.0#/ft K-55	2300'-3400'	
7-7/8"	4 1/2"	9.5#/ft K-55	0'-8100'	Cement in two stages
		10.5#/ft K-55		DV Tool set at 6350'
		11.6#/ft K-55		

## CEMENTING PROGRAM

Surface Casing - 13-3/8": Class "B" + 2% CaCl<sub>2</sub>Intermediate Casing - 8-5/8": Lead, Pozmix + 6% Gel + 2% CaCl<sub>2</sub> + 1/4#/sx FCTail, Class "B" + 2% CaCl<sub>2</sub> + 1/2 #/sx FC

Producing String - 4 1/2": Lead, Pozmix 65/35 %

Tail, Class "C" Neat

## MUD PROGRAM

Depth	Mud Type	Weight	Viscosity	pH
0'-400'	Spud Mud	9.0-9.2	35-45	9+
400'-8100'	Fresh Gel	8.8-9.0	35-45	9+

## BOP PROGRAM (See additional sheets)

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 flowout preventer program, if any.

24. SIGNED <u>A.D. Bond</u> A.D. Bond		Regulatory Technician	
(This space for Federal or State office use)		Supervisor	
PERMIT NO. _____		APPROVAL DATE _____	
APPROVED BY _____		TITLE _____	
CONDITIONS OF APPROVAL, IF ANY:			

30-039-23320

APPROVED  
AS AMEND

DATE  
OCT 1 1983

AREA MANAGER  
FARMINGTON RESOURCE AREA

\*See Instructions On Reverse Side

NMOC

**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>Mobil Producing TX. &amp; N.M. Inc.</b>			Lease <b>Cullins-Federal</b>		Well No. <b>3</b>
Unit Letter	Section <b>4</b>	Township <b>24N</b>	Range <b>3W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>330</b> feet from the <b>North</b> line and <b>990</b> feet from the <b>West</b> line					
Ground Level Elev. <b>7071'</b>	Producing Formation <b>Gallup Dakota</b>		Pool <b>West Lindrith Gallup Dakota</b>	Dedicated Acreage: <b>160</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 \_\_\_\_\_

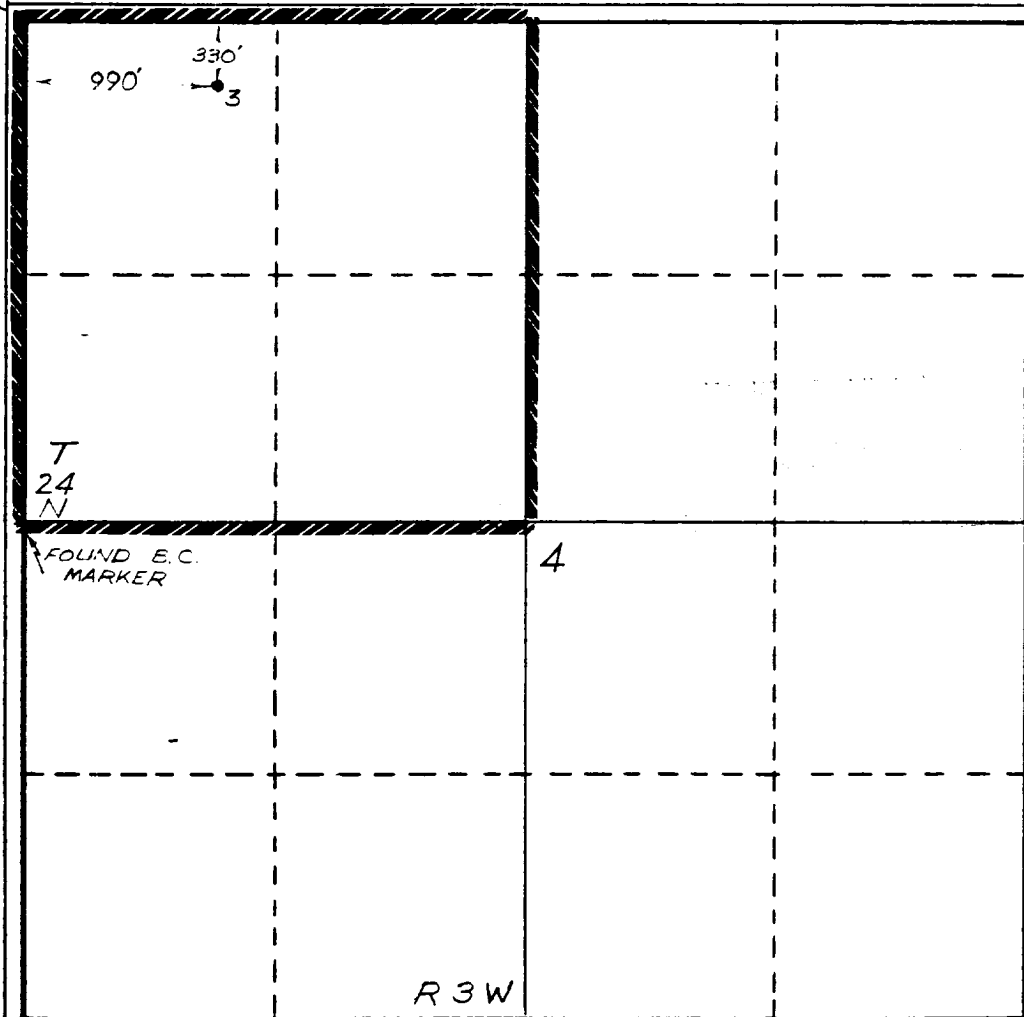
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

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. **N. 89° 59' 44" E - 5283.08'**

**RECEIVED**

OCT 17 1983

OIL & GAS DIV.  
DIST. 3



**CERTIFICATION**

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

*A.D. Bond*  
Name **A.D. Bond**  
Position **Regulatory Technician Supervisor**  
Company **Mobil Producing TX. & N.M. Inc.**  
Date **August 2, 1983**

I hereby certify that the 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.

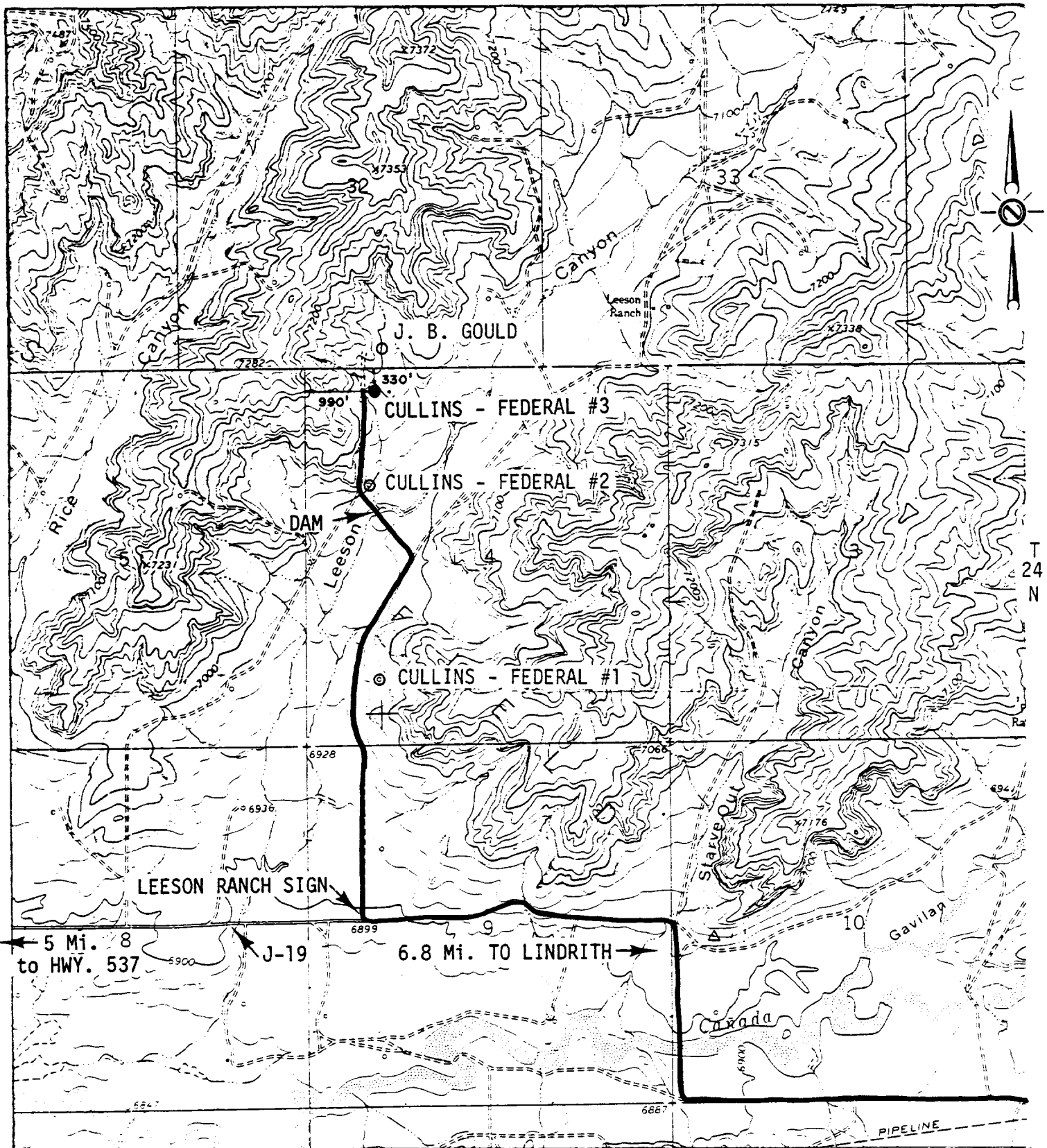
*H.A. Carson, Jr.*  
Date Surveyed **August 8, 1983**  
**JUNE 22, 1983**  
Registered Professional Engineer and/or Land Surveyor

**H.A. Carson, Jr.**

Certificate No.  
**5063**

N. 0° 03' 07" W - 2844.29'





ALL LEASE ROADS ARE EXISTING

Mobil Producing  
Texas & New Mexico Inc.  
VICINITY PLAT  
CULLINS - FEDERAL #3  
SECTION 4, T-24-N, R-3-W  
RIO ARRIBA CO., NEW MEXICO  
MAP "B"

Scale 1"=2000'

Date 8-9-83  
Drawn  
Checked  
Approved  
Revised