

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Mallon Oil Company

3. ADDRESS OF OPERATOR

2850 Security Life Bldg., Denver, CO 80202

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

At surface

1650' FNL & 960' FWL

At proposed prod. zone

same

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

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

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

16. NO. OF ACRES IN LEASE

80

19. PROPOSED DEPTH

7650'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR OTHER TOOLS

0-TD

21. ELEVATIONS (Show whether on or below ground)

7418' GL

OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START*

ASAP

23.

"GENERAL REQUIREMENTS"

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8-5/8"	24#	250'
7-7/8"	5-1/2"	15.5#	7650'

This action is subject to administrative
appeal pursuant to 30 CFR 290.

130 ft³ Class B w/2% CaCl₂
175 ft³ Class B w/2% Econofil
195 ft³ 50-50 poz w/2% gel-10%sa
2nd: 680 ft³ Class B w/2% econo

Will drill 12 1/4" hole to 250' and set 250' of 8-5/8" 24#/ft. J-55 casing and cement with 130 ft³ Class B w/2% CaCl₂. Cement will be circulated to surface. Will drill 7650' and log well. If well appears productive, will run 7650' of 5 1/2", 15.5#/ft. J-55 new casing and cement in two stages, set D.V. tool @ 6000'; 1st: 175 ft³ Class B w/2% econofil followed by 195 ft³ 50-50 pozmix w/2% gel & 10% salt; 2nd: 680 ft³ Class B w/2% econofil. Will perforate and stimulate well as required. No abnormal pressures or temperatures are anticipated. Circulation medium will be clear water, natural mud, and water loss additives. Blowout preventor schematic is attached. The gas from this formation is not dedicated.

ESTIMATED TOPS: Surface - 7418'
Pictured Cliffs - 3488'
Mesa Verde - 5433' T.D. - 7650'
Gallup - 6783'
Juana Lopez - 7333'

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

Kevin H. McLeod

TITLE

Agent

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCC

*See Instructions On Reverse Side

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

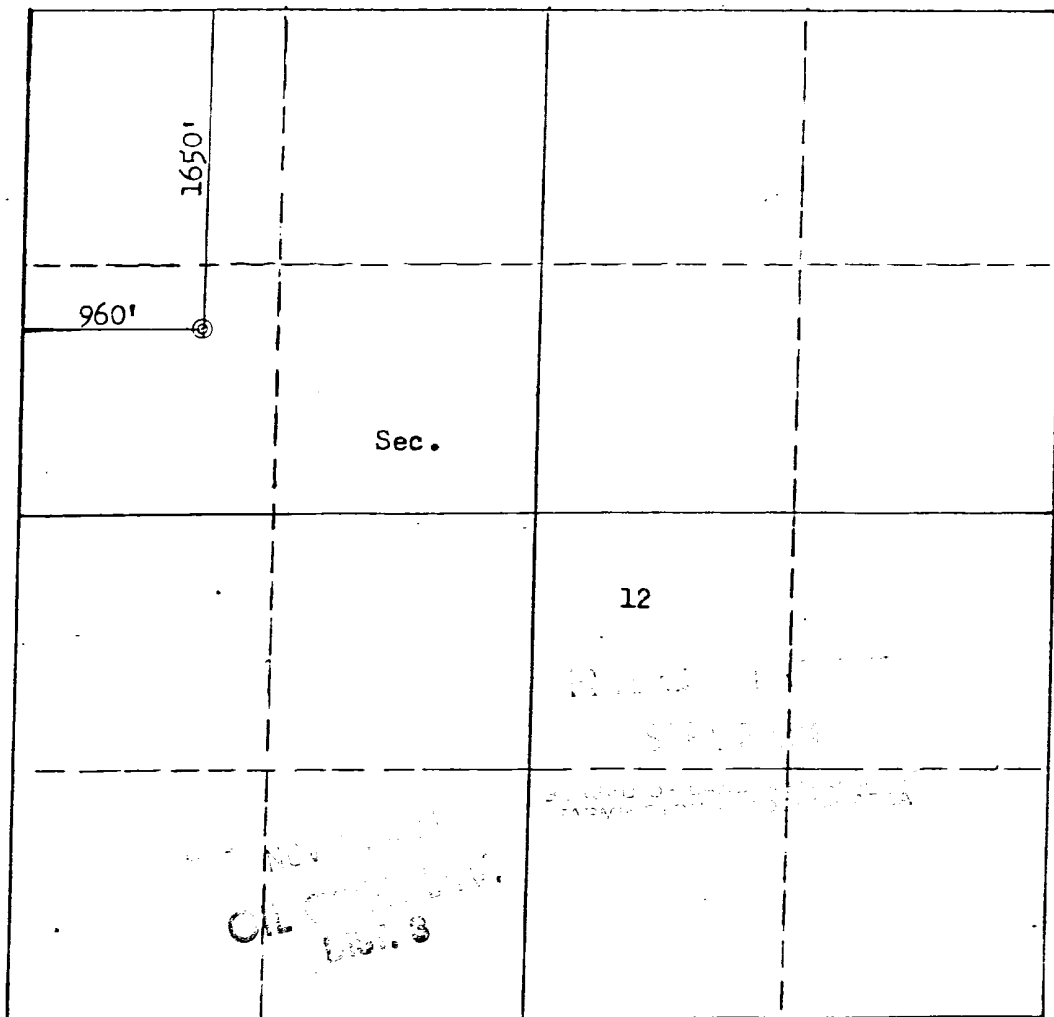
Operator MALLON OIL COMPANY			Lease FEDERAL		Well No. 12-5
Unit Letter E	Section 12	Township 25N	Range 2W	County Rio Arriba	
Actual Footage Location of Well: 1650 feet from the North line and 960 feet from the West line					
Ground Level Elev: 7418	Producing Formation Gallup		Pool Undes. Gallup		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



Scale: 1"=1000'

CERTIFICATION

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

Kevin H. McCord

Name
Kevin H. McCord

Position
Agent

Company
Mallon Oil Co.

Date
September 25, 1984

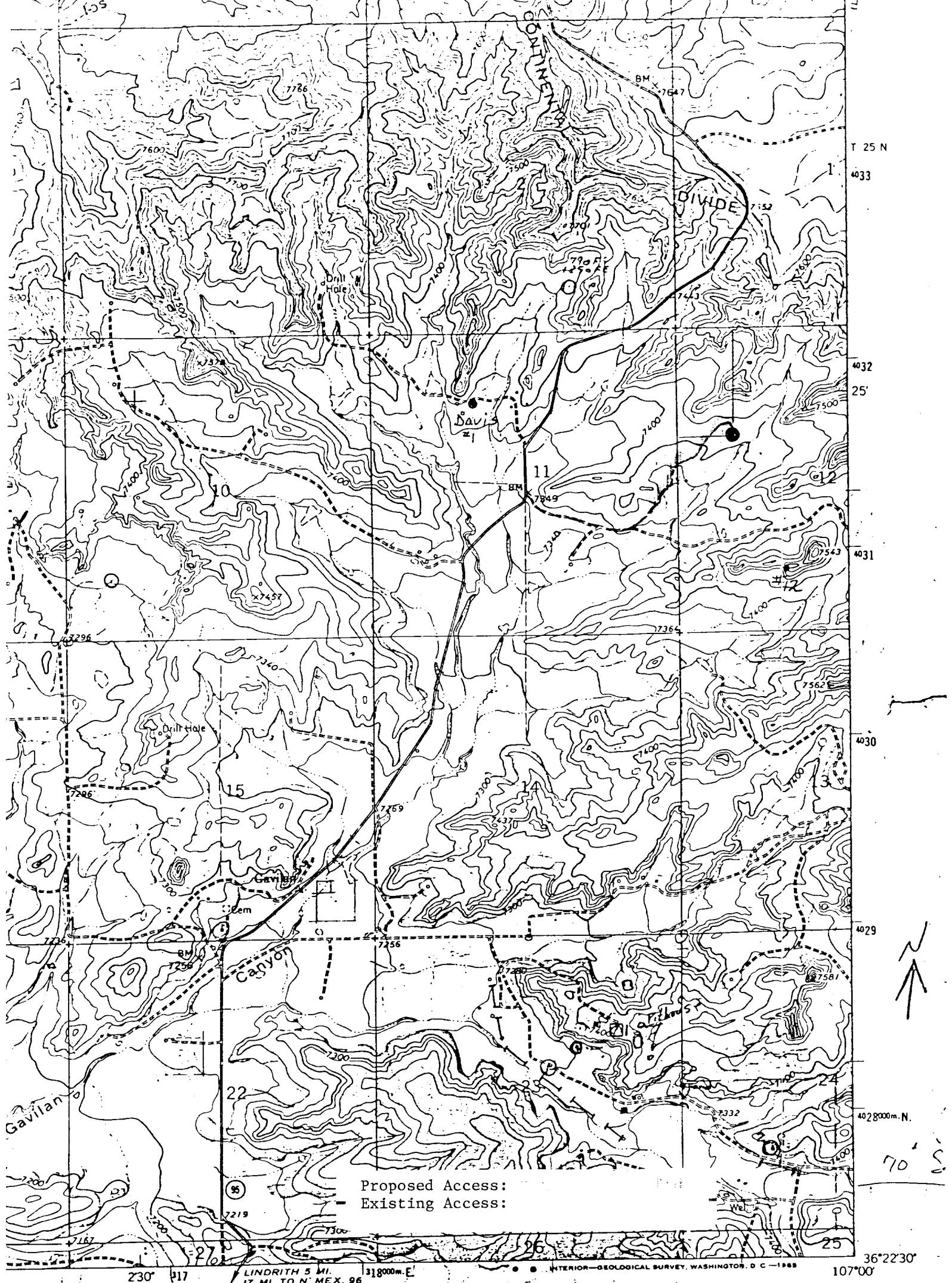
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
September 7, 1984

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. 42,100
3950



Vicinity Map for
MALLON OIL COMPANY #12-5 FEDERAL
1650'FNL 960'FWL Sec. 12-T25N-R2W
RIO ARriba COUNTY, NEW MEXICO



ROAD CLASSIFICATION
Unimproved dirt -----
e Route
OF ULE

OJITO, N. MEX.
N3622 5-W10700/7 5