

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.
None

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Mallon Oil Company		8. Farm or Lease Name Howard 1
3. Address of Operator 2750 Security Life Building, Denver, CO 80202		9. Well No. 8
4. Location of Well UNIT LETTER H LOCATED 1650 FEET FROM THE North LINE AND 870 FEET FROM THE East LINE OF SEC. 1 TWP. 25 N RGE. 2 W NMPM		10. Field and Pool, or Wildcat Basin Dakota-Undes. Gall
21. Elevations (show whether DF, RT, etc.) 7511' G.L.		12. County Rio Arriba
21A. Kind & Status Plug. Bond	21B. Drilling Contractor Four Corners Drill.	19. Proposed Depth 8540' 19A. Formation Basin Dakota Undes. Gallup 20. Rotary or C.T. Rotary 0-TD
22. Approx. Date Work will start ASAP		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	9-5/8"	36#	275'	110 sx Class B	B circ. to sur
7-7/8"	5-1/2"	15.5#	8540'	90 sx Class B 2% Econofil	
				1st-230 sx 50-50 w/2% gel 10% salt	
				2nd-330 sx Class B 2% Econofil	

Will drill 12 1/4" hole to 275' and set 275' of 9-5/8" 36#/ft J-55 casing and cement w/110 sx Class B w/2% CaCl₂. Cement will be circulated to surface. Will drill to 8540 and log in two stages, set D.V. tool @ 6200'; 1st: 90 sx Class B w/2% Econofil followed by 230 sx 50-50 pozmix w/2% gel & 10% salt; 2nd: 330 sx 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 preventer schematic is attached.

ESTIMATED TOPS: Ojo Alamo - 3466' Gallup - 7209'
Pic. Cliffs - 3897' Greenhorn - 8161'
Cliffhouse - 5723' Dakota - 8285'
Point Lookout - 6262' T.D. - 8540'

APPROVAL EXPIRES 12-22-85
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED

APR 18 1985

OIL CON. DIV.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [Signature] Title Agent Date 4-18-85

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE 4-22-85

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.

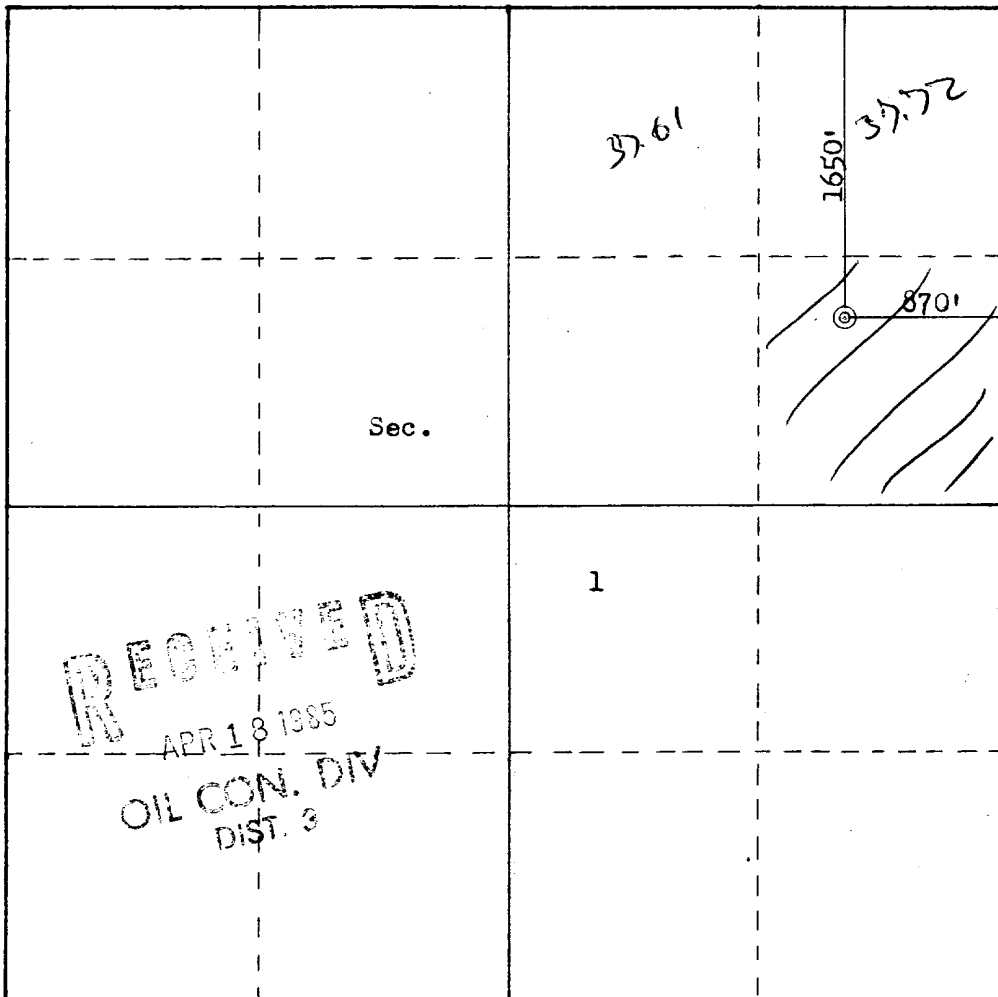
Operator MALLON OIL COMPANY			Lease HOWARD-FEDERAL COM		Well No. 1-8
Unit Letter H	Section 1	Township 25N	Range 2W	County Rio Arriba	
Actual Footage Location of Well: 1650 feet from the North line and 870 feet from the East line					
Ground Level Elev: 7511	Producing Formation Gallup-Dakota		Pool Basin Dakota-Undes. Gallup	Dedicated Acreage: 35.33 35.0 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.



Scale: 1"=1000'

CERTIFICATION

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

Robert L. Bayless

Name

Robert L. Bayless

Position

Agent

Company

Mallon Oil Company

Date

April 18, 1985

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

March 27, 1985

Registered Professional Engineer and Land Surveyor

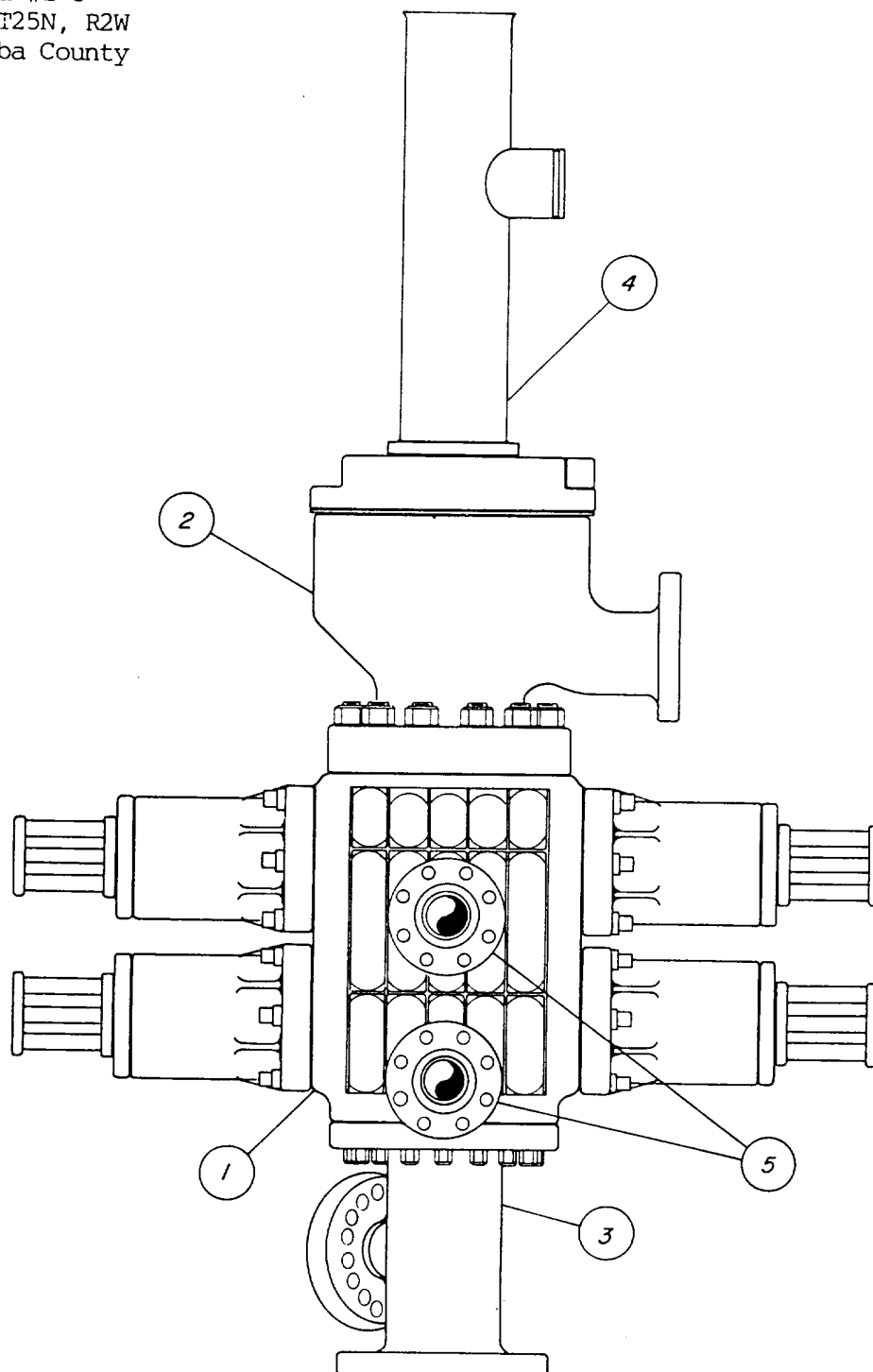
Fred B. Kern Jr.
Fred B. Kern Jr.

Certificate No. 4, 1985, 198

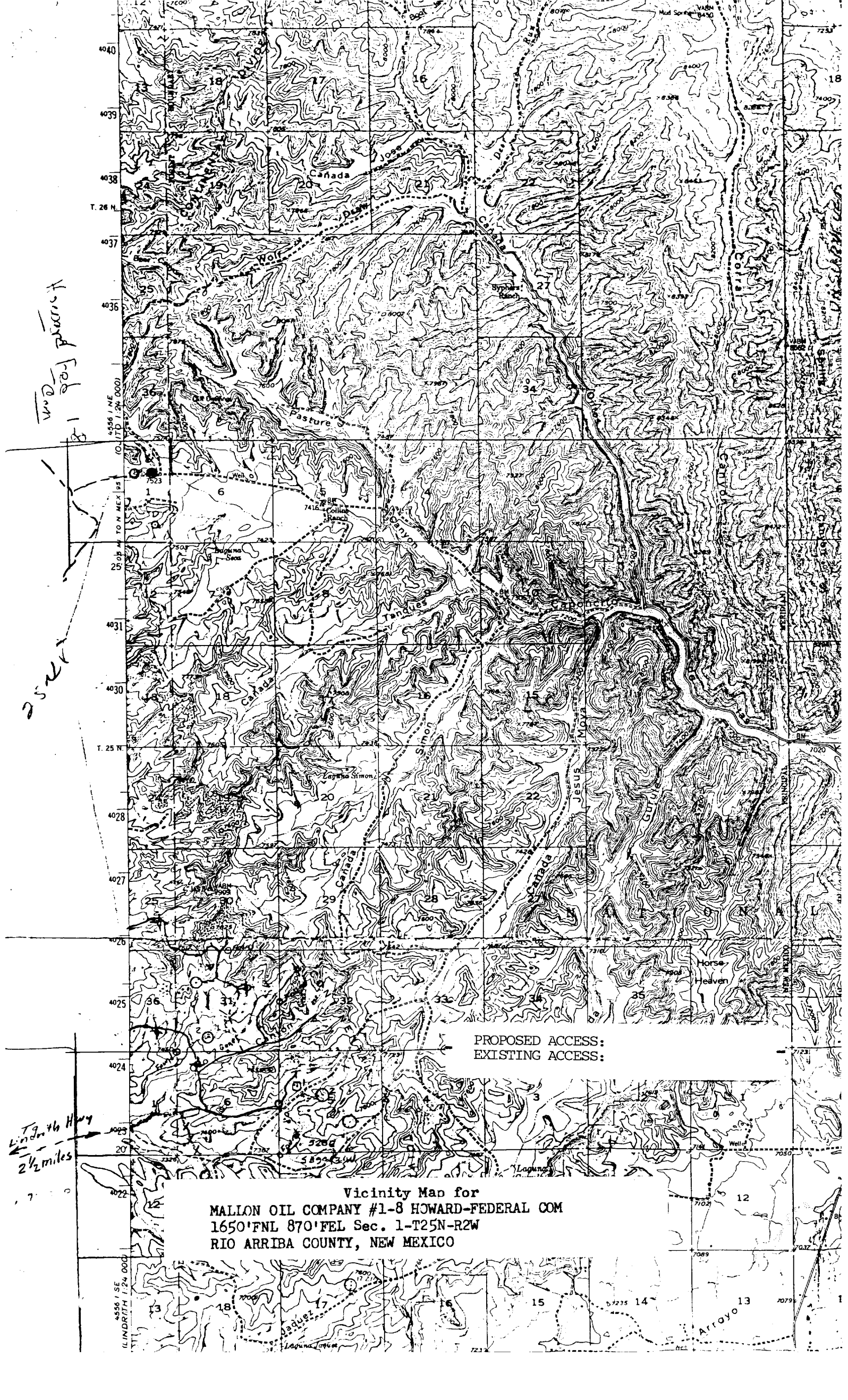
3950

MALLON OIL COMPANY

Howard #1-8
Sec. 1, T25N, R2W
Rio Arriba County



- ① SHAFFER 11" 3000 LB MODEL LWS MANUAL LOCK RAM BLOWOUT PREVENTER
- ② GRANT 11" 3000 LB. ROTATING DRILL HEAD
- ③ 11" SPOOL
- ④ 11" FLOW NIPPLE
- ⑤ 4" 3000 LB. NOZZLE



Howard Fol 1-8
2 1/2 miles

PROPOSED ACCESS:
EXISTING ACCESS:

Vicinity Map for
MALLON OIL COMPANY #1-8 HOWARD-FEDERAL COM
1650'FNL 870'FEL Sec. 1-T25N-R2W
RIO ARRIBA COUNTY, NEW MEXICO