

UNITED STATES  
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

JUL 02 1991  
DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

OIL CON. DIV.

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

14538

DIST. 3

Meridian Oil Inc.

3. ADDRESS OF OPERATOR

PO Box 4289, Farmington, NM 87499  
PO Box 2120 Houston, Texas 77252-2120

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

At surface

14620

1455

1425 FNL & 1450 FWL

At proposed prod. zone

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

3.5 miles West of Navajo Dam, NM

16. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

785

18. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

315.84

W12320

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2200'

19. PROPOSED DEPTH

6070' 6150'

20. ROTARY OR CABLE TOOLS

Rotary

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

6434 GR

6441

22. APPROX. DATE WORK WILL START\*

July 1, 1990

23. PROPOSED CASING AND CEMENTING PROGRAM

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	*GENERAL REQUIREMENTS*
12 1/4	9 5/8	36.0	350-200'	200 sxs (236 cu ft) R
8 3/4	7.00	23.0	3700-3575'	See below See attached
6 1/4	4 1/2 liner	11.6	3550-6070 3525-6150	See below

Union Texas Petroleum, INC. wishes to advise that we intend to drill a 12 1/4" hole with spud mud to 350' and set 9-5/8", 36.0#, K-55 ST&C casing to 350' cementing to surface with 200 sxs (236 cu ft) Class B cement with 2% CaCl2. Wait on cement 12 hours. Nipple up and test BOP. Drill 8-3/4" hole out of surface to 3700' with mud. Log well. Set 7.00", 23.0#, K-55 ST&C production casing to 3700' cementing to surface with 325 sxs (598 cu ft) 65/35 POZ with 6% gel and 12 1/2# gilsonite/sk, tailed by 100 sxs (118 cu ft) Cl B w/ 2% CaCl2. Drill 6-1/4" hole with air/mist to 6070'. Log well Run 4-1/2" liner from 3550-6070 cementing into intermediate casing with 300 sxs (471 cu ft) 50/50 Poz with 4% gel, 6-1/4# gilsonite/sk. Perforate pay section and if necessary acidize and frac with 250,000# sand in 180,000 gal slick water. Clean up well and install standard production equipment. Test well to reserve pit for a period not to exceed 30 days. Connect well to a gathering system.

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

*Blue White*

TITLE

REG PERMIT COORD

DATE

5-24-90

(This space for Federal or State office use)

"Approval of this action does  
not warrant that the applicant  
holds legal or equitable rights  
or title to this lease."

APPROVED  
AS AMENDED

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

JUL 03 1991  
AREA MANAGER

NMOCD

\*See Instructions On Reverse Side

Proposed Program for Casing, Cementing and Drilling Operations:Casing and Cementing Program:

Interval(ft)	Hole Size	Csg. Size	Weight	Grade	Thread	Cond
=====	=====	=====	=====	=====	=====	=====
0 - 200	12 1/4"	9 5/8"	36.0#	HC80	8rd LT&C	New
0 - 3575	8 3/4"	7"	23.0#	K-55	8rd LT&C	New
3425 - 6150	6 1/4"	4 1/2"	10.5#	J-55	8rd ST&C	New

**Surface Casing - 9 5/8"**

Cement to Surface with 160 sacks of Class "B" Cement with 3% Calci Chloride and 1/4# Cellophane Flakes per sack. WOC 12 hours prior to dr out Surface Casing.

Slurry volume: 188 ft<sup>3</sup>. Excess slurry: 200%.

Saw Tooth Guide Shoe on bottom. Bowspring Centralizers on bottom and fourth joint to surface.

**Intermediate Casing - 7"**

Cement to Surface. Lead with 650 sacks of 65/35 Class "B" Pozmix with 6% Gel, 2% Calcium Chloride, 5# Gilsonite per sack and 1/4# Cell Flakes per sack. Tail with 100 sacks of Class "B" Cement with 2% Chloride. WOC a minimum of 12 hours prior to drilling out Intermediat A Temperature Log will be run in eight (8) hours if cement does not c  
Slurry volume: 1263 ft<sup>3</sup>. Excess slurry: 135%.

Cement Nose Guide Shoe on bottom with Float Collar spaced on top of s Three Bowspring Centralizers spaced every other joint off bottom. Two Turbolating Centralizers spaced at the base of the Ojo Alamo 2083 '. Bowspring Centralizers spaced every fourth joint from the base of the to the base of the Surface Casing.

**Production Liner - 4 1/2"**

Cement to circulate Liner Top with 390 sacks of 50/50 Class "B" Po Cement with 2% Gel, 0.6% Fluid Loss Additive, 6 1/4# Gilsonite per sa 1/4# Cellophane Flakes per sack. WOC a minimum of 18 hours prior to c  
Slurry volume: 489 ft<sup>3</sup>. Excess slurry: 75%.

Cement Nose Guide Shoe on bottom with Float Collar spaced on top of s Bowspring Centralizers spaced every other joint 9 joints off botto the top of the Mesaverde or above. The Liner Hanger will have a Rubbe

**General -**

- \* If hole conditions permit, an adequate water spacer will be pumped ah each cement job to prevent cement/mud contamination or cement hydrati
- \* The pipe will be rotated and/or reciprocated, if hole conditions perm
- \* The Cementing Contractor will provide the BLM with a chronological lo the pump rate, pump pressure, slurry density and volume for all cemen

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Sundry Notices and Reports on Wells

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator Meridian Oil Inc.</p> <hr/> <p>3. Address &amp; Phone No. of Operator Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec, T, R, M. 1820' N, 1455' W Sec. 17, T-31-N, R-8-W, NMPM</p> <hr/> <p>12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">Type of Submission</td> <td colspan="2" style="text-align: center;">Type of Action</td> </tr> <tr> <td><input type="checkbox"/> Notice of Intent</td> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> Change of Plans</td> </tr> <tr> <td><input type="checkbox"/> Subsequent Report</td> <td><input type="checkbox"/> Recompletion</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Final Abandonment</td> <td><input type="checkbox"/> Plugging Back</td> <td><input type="checkbox"/> Non-Routine Fracturing</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Water Shut Off</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Altering Casing</td> <td><input type="checkbox"/> Conversion to Injection</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>	Type of Submission	Type of Action		<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction	<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing		<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut Off		<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection		<input type="checkbox"/> Other		<p>5. Lease Number SF-078511A-0001</p> <p>6. If Indian, All. or Tribe Name</p> <p>7. Unit Agreement Name</p> <p>8. Well Name &amp; Number Quinn #3A</p> <p>9. API Well No.</p> <p>10. Field and Pool Blanco Mesa Verde</p> <p>11. County and State San Juan County, NM</p>
Type of Submission	Type of Action																					
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	<input type="checkbox"/> Other																					

13. Describe Proposed or Completed Operations

Reference is made to Union Texas Petroleum's application for permit to drill the Quinn #3A submitted 5-24-90.

Meridian Oil Inc. will operate and drill this well as the Quinn #3A at 1820' FNL and 1455' FWL, Section 17, T-31-N, R-8-W.

Submitted for review are:

- plat
- operations plan
- BOP diagrams
- laydown diagram w/cut and fill diagram

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DIST. 3

14. I hereby certify that the foregoing is true and correct  
Signed [Signature] Title Regulatory Affairs Date 4-30-91

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITION OF APPROVAL, IF ANY:

NMOCD

Submit to Asst. Secretary  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

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DISTRICT

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

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DISTRICT

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesa, NM 88210

DISTRICT III  
1000 Rio Grande Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Quinn		Well No. 3A
Unit Lease F	Section 17	Township 31 North	Range 8 West	County NMNM	San Juan
Actual Footage Location of Well: 1820 feet from the North line and 1455 feet from the West line					
Casualty Elev. 6441'	Producing Formation Mesa Verde	Pool Blanco	Dedicated Acreage: 320 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or inkline marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by commutation, unitization, force-pooling, etc.?  
☒ Yes ☐ No If answer is "yes" type of consolidation C/A 14-08-001-1063  
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 well be assigned to the well until all interests have been consolidated (by commutation, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

5334.78

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OIL CON. DIV  
DIST. 3

OPERATOR CERTIFICATION

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

Signature  
Peggy Bradfield

Printed Name  
Regulatory Affairs

Position  
Meridian Oil Inc.

Company  
4-30-91

Date

SURVEYOR CERTIFICATION

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.

3-19-91

Date Surveyed

Signature  
Professional Surveyor

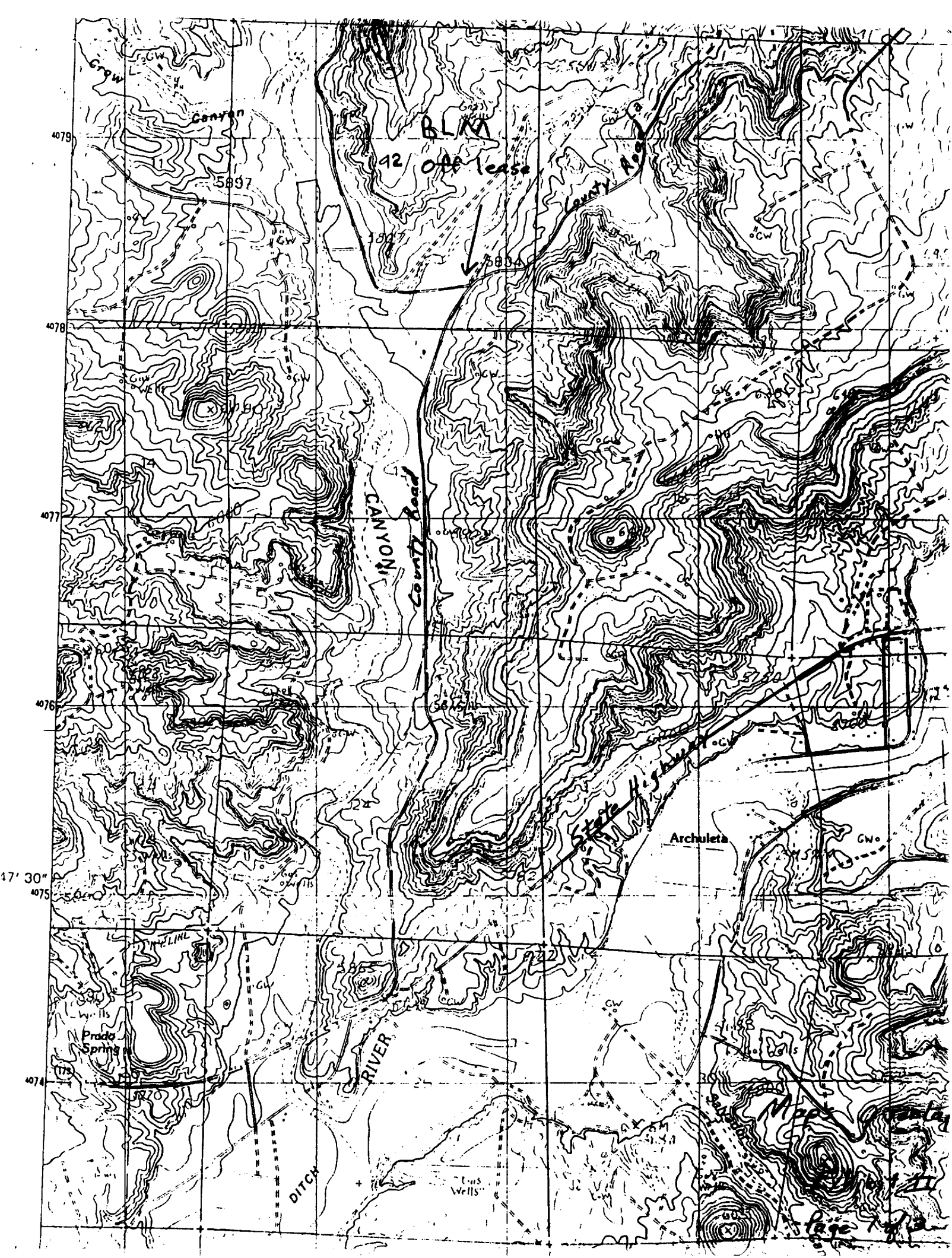
NEW MEXICO  
REGISTERED LAND SURVEYOR

6857

6857

Certificate  
Neale Edwards

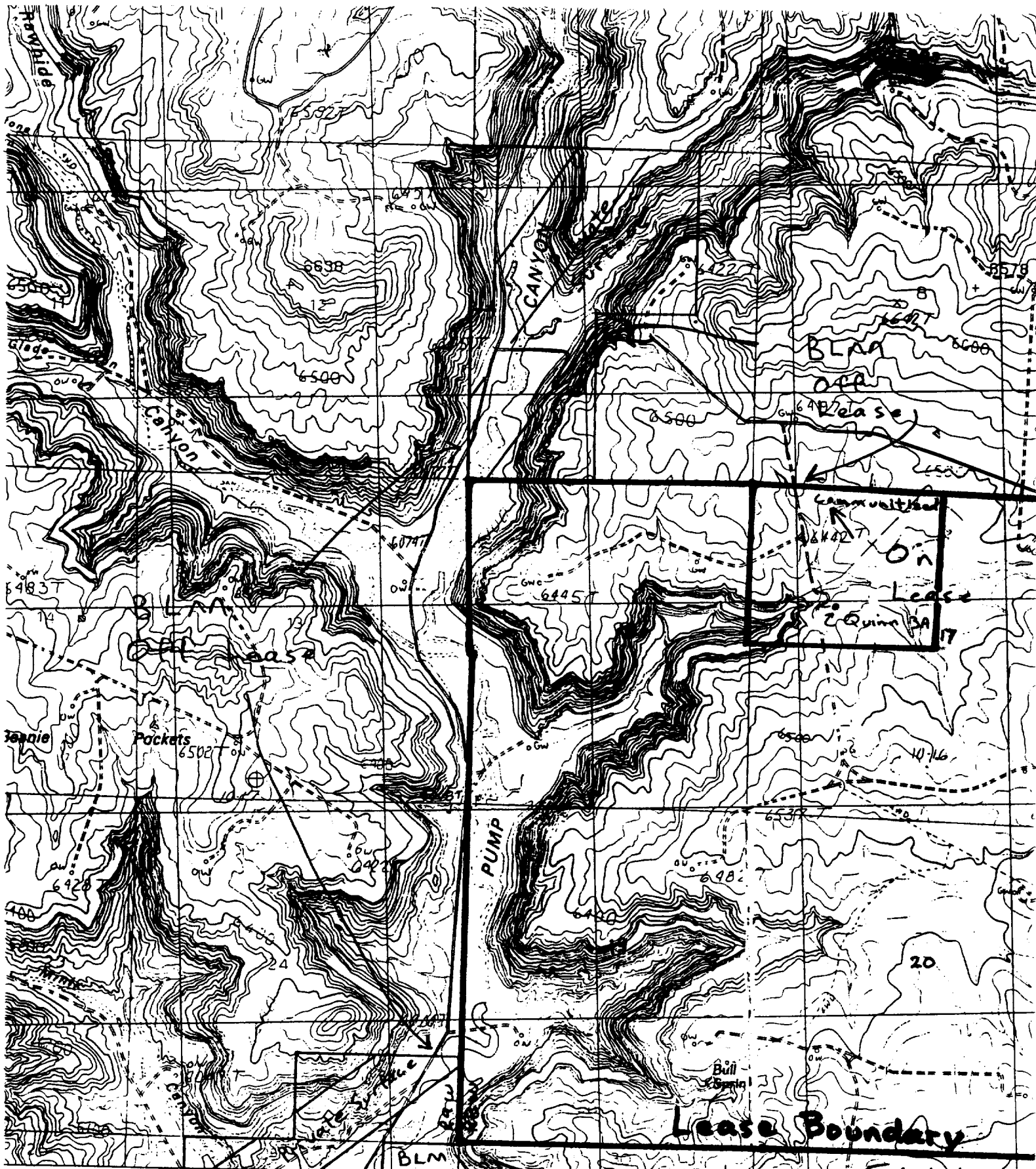
5235.12



259

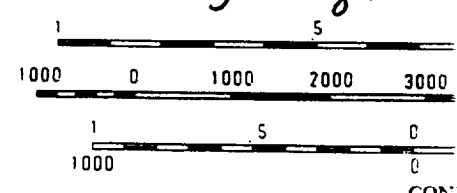






THE UNITED STATES GEOLOGICAL SURVEY  
 AERIAL PHOTOGRAPHS TAKEN ..... 1981  
 MAP EDITED ..... 1985  
 TRANSVERSE MERCATOR  
 UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 13  
 STATE GRID Ticks ..... NEW MEXICO, WEST ZONE  
 COLORADO, SOUTH ZONE  
 MAGNETIC DECLINATION ..... 1°37' WEST  
 TRUE DECLINATION ..... 12° EAST  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 1927 NORTH AMERICAN DATUM

Exhibit II  
 Page 3 of 3



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