

DRILLING PROGNOSIS

I. Well Identification:

Lease Name: Mountain-Federal

Well No.: 6

Location: 990' FEL & 990' FNL Section 30, T-7-S, R-32-E

County: Roosevelt

State: New Mexico

Elevations: 4418 GR

II. Drilling Objective:

Zone: San Andres

Total Depth: 4300'

Pool Name: Tomahawk

Productive Interval: 4100' - 4300'

III. Formation Tops:

<u>Zone</u>	<u>Tops</u>		<u>Gross Interval Drilled</u>	<u>Probable Fluid Production</u>
	<u>Drilling Depth</u>	<u>Subsea Depth</u>		
<u>Rustler</u>	<u>1700'</u>			
<u>Yates</u>	<u>2190'</u>			
<u>San Andres</u>	<u>3335'</u>			<u>Hydrocarbons</u>
<u>P-1</u>	<u>4040'</u>			
<u>P-2</u>	<u>4110'</u>			
<u>P-3</u>	<u>4230'</u>			
TOTAL DEPTH	<u>4300'</u>			

IV. Hole Size:

<u>Hole</u>	<u>Bit Size</u>	<u>T.D.</u>	<u>Gross Interval</u>
Conductor:			
Surface:	<u>11"</u>	<u>1785'</u>	<u>1785'</u>
Production:	<u>7-7/8"</u>	<u>4300'</u>	<u>2515'</u>

V. Casing Program:

A. Casing Design

<u>String</u>	<u>Casing Size</u>		<u>Grade</u>	<u>Threads</u>	<u>Amount</u>	<u>Cond.</u>
	<u>O.D.</u>	<u>Wt.</u>				
Conductor:						
Surface:	<u>8-5/8"</u>	<u>23</u>	<u>x</u>	<u>8 RD</u>	<u>1785'</u>	<u>New</u>
Production:	<u>5-1/2"</u>	<u>17</u>	<u>K-55</u>	<u>8 RD</u>	<u>4300'</u>	<u>New</u>

B. Float Equipment:

Surface Casing: 8-5/8" guide shoe

Production Casing: 5-1/2" float shoe

C. Centralizers:

Surface Casing: 3

Production Casing: 6

D. Wellhead Equipment:

Larkin Bradenhead

Larkin Tubinghead

VI. Mud Program:

A. Surface Hole:

Fresh water gel with sufficient viscosity to make hole

B. Production Hole:

Allow mud to become salt saturated; add starch and brine gel to

lower water loss to 15 cc and viscosity to 40 cp

VII. Cementing Program:

A. Surface Pipe:

Cement with 550 sx total; 400 Halliburton lite and 150 neat;

circulate cement

B. Production String:

Cement long string w/275 sx 100 Halliburton lite,

175 sx 50/50 Posmix, 2% gel and mix 10% salt

VIII. Formation Evaluation:

A. Drilling Rate:

1. Kept by Geologist

2. _____

B. Well Cutting Samples:

Samples from 4000' to TD and reviewed by geologist

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C. Mud Logging: _____ None _____

D. Drill-Stem Testing: _____ None _____

E. Coring: _____ None _____

F. Well Logging:

Open-Hole Logs

Log	Interval	
Porosity Log		
Deep lateral investigation		
Short lateral investigation		
Gamma Ray Log		

Cased-Hole Logs

Log	Interval	
Gamma Ray Log		
Collar Locator Log		

Log Distribution

Company	No. of Copies	
	Field Prints	Final Prints

Company

No. of Copies

Field Prints

Final Prints

IX. Blowout Preventer System:

10" 900 Shaffer Type E

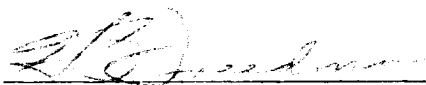
X. Hazardous Zone:

None

XI. Duration of Operations:

Estimated 30 days

I certify that I have discussed the drilling of this well with the surface owner, Mr. Tommy Tucker, and that we are in agreement as to the necessary operations to gain entrance to the land, drill and complete the well, and conduct the production operations over the entire life of the well to his satisfaction.



H. G. Freedman

6-8-77

Date

WOLFSON OIL COMPANY

OIL PRODUCERS

3200 REPUBLIC NATIONAL BANK TOWER

DALLAS, TEXAS 75201

AM C & K PETROLEUM BUILDING

MIDLAND, TEXAS

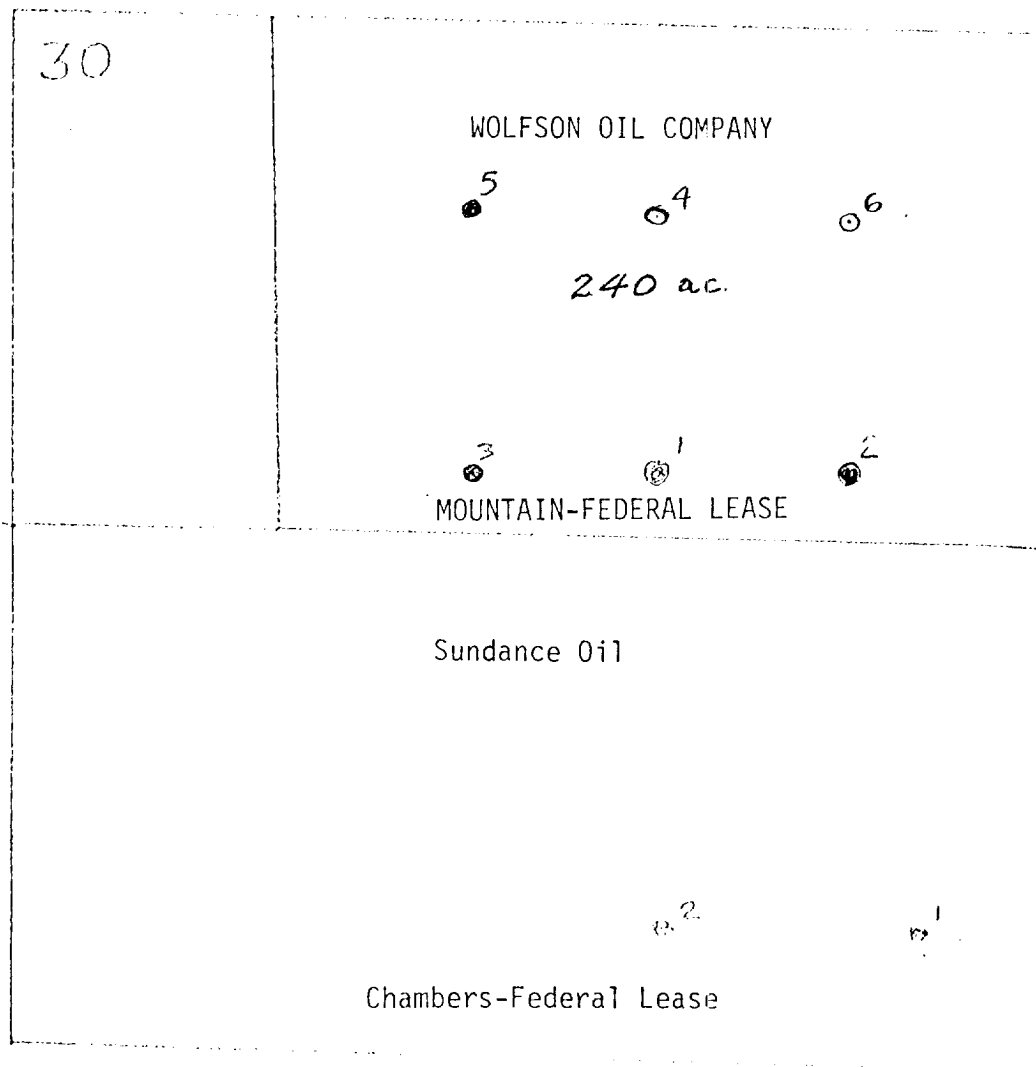
EXHIBIT No. 1

MOUNTAIN-FEDERAL LEASE

Sec. 30, T-7-S, R-32-E

Well No. 6

EXHIBIT NO. 1



Scale: 1" = 1000'