HARPER 6537

DRILLING PROGNOST (Preliminary)

State 17 No. I

Wildcat

West Ranger Lake Unit 1980' FNL & 1980' FEL

Section 17, T-12-S, R-34-E Lea County, New Mexico

OPERATOR:

Harper Oil Company

PROPOSED DEPTH:

10,500'

ELEVATION:

Grd. 4180' Est. - Actual

KB 4192' Est. - Actual

DRILLING CONTRACTOR:

Address:

Phone:

RIG COMMUNICATIONS:

TOOL PUSHER:

Phone:

GEOLOGIST

Phone:

ENGINEER: :

Phone:

MUD SUPPLIER :

SURFACE CASING

13-3/8" @ 360'

INTERMEDIATE CASING:

8-5/8" @ 4,200

PRODUCTION CASING:

5-1/2" @ 10,400'

FORMATIONS & POSSIBLE PRODUCING HORIZONS:

:

DST's

Anhydrite	1920'	Wolfcamp	9120'	
Yates	2770 '	Wolfcamp XX	9260'	
Queen	3620 '	Three Bros.	9650'	
Grayburg	3800¹	Bough A	9920;	
San Andres	4080'	Bough B	9960	1
Glorieta	5530'	Bough C	9990'	1
Tubb	6975'	Ranger Lake	10280'	1
Abo	7740'	U		

SAMPLES: 10' samples caught from 4000' to TD

DRILLING MUD:

0' - 7500' - water

7500' - 9800' - adequate for hole control and samples

9800' -10400' - adequate for good samples, hole

control, drillstem testing, and

electric logging at TD

MUD LOGGER: On site and set up to log cuttings and gas detection at 9100'

at 5100

ELECTRICAL LOGS: Tentative: Dual Industion - Laterolog

BHC - Sonic and/or Density Log w/GR