

SUPPLEMENTAL DRILLING DATA

ARROWHEAD OIL CORPORATION
WELL #2 BROWN FEDERAL
NW1/4NE1/4 SEC. 31-17S-32E
LEA COUNTY, NEW MEXICO
(DEVELOPMENT WELL)

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Salt	1200'	Queen	3180'
Base Salt	2300'	Grayburg	3550'
Seven Rivers	2426'	San Andres	3952'

3. ANTICIPATED POROSITY ZONES:

Water	Above 300'
Oil	2068' - 4200'

4. CASING DESIGN:

SIZE	INTERVAL	WEIGHT	GRADE	JOINT	CONDITION
8 5/8"	0-800'	24.0#	K-55	STC	New
5 1/2"	0-4200'	15.5#	K-55	STC	New

5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used. (See diagram attached as Exhibit "E")

6. CIRCULATING MEDIUM:

0 - 800' Fresh water mud with gel or lime as needed for viscosity control.

800'- 4200' Salt water mud, conditioned as necessary for control of viscosity and water loss or gain.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

8. LOGGING PROGRAM: CNL-FDC W/GR Log will be run to TD.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: A water flow may be encountered in the salt section.

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about April 22, 1988. Duration of drilling, testing and completion operations should be one to four weeks.

RECEIVED

APR 25 1988

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HOBBS OFFICE