



Drilling Plan
Celsius Energy Company
Celsius-Lexicon State No. 1-20
Kiowa County, Colorado

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NOV 1 1982

COLO. OIL & GAS CONS. COMM.

1. SURFACE FORMATION: Niobrara

2. ESTIMATED TOPS AND WATER, OIL, GAS OR MINERAL BEARING FORMATIONS:
& 3.

Stone Corral	2195'
Neva	3030
Topeka	3350
Marmaton	4130 - possible oil
Cherokee	4215
Atoka	4450 - possible oil/gas
Morrow	4640
McClave	4750 - possible gas (major objective)
Mississippian	4290'

4. CASING PROGRAM:

Footage	Size	Grade	Wt.	Condition	Thread	Cement
500	10-3/4	K-55	40.5	New	8rd, ST&C	400 sx reg G w/3% CaCl, 1/4# flocele
5160	4-1/2	K-55	11.6	New	8rd, LT&C	To be determined from caliper log

5. PRESSURE CONTROL EQUIPMENT: See attached diagram. Operator's minimum specifications for pressure control equipment requires a 10-inch 3000 psi double gate blowout preventer. Surface casing all preventer rams will be pressure tested to 1100 psi for 15 minutes using rig pump and mud. BOP's will be checked daily as to mechanical operating condition and will be tested by rig equipment after each string of casing is run. All ram type preventers will have hand wheels which will be operative at the time the preventers are installed.

6. MUD PROGRAM: Gel water base mud with minimum properties from surface casing to total depth. Sufficient mud material to maintain mud properties, control lost circulation and to contain blowout will be available at the wellsite.

7. AUXILIARY EQUIPMENT:

- A. Manually operated kelly cock.
- B. No floats at bit.
- C. Monitoring of mud system will be visual.
- D. Full opening floor valve manually operated.

8. LOGGING: DIL and FDC/GR from bottom of surface pipe to total depth.
GR/Sonic from surface to total depth.

TESTING: 1 DST at 4130' and 4750'.

CORING: None

9. ABNORMAL PRESSURE AND TEMPERATURE: None anticipated.

10. ANTICIPATED STARTING DATE: Upon approval.

DURATION OF OPERATION: 15 days drilling, 3 days completion.