

DOCKET: Examiners Hearing - Thursday, September 9, 1993

Case #10819 - Project Area: NE/4&E/2NW/4, Section 30, T7S, R32E

MOUNTAIN FEDERAL #5

- Exhibit #1 Map
- Exhibit #2 Offset Operators
- Exhibit #3 Horizontal Drilling Procedure
- Exhibit #4 Schematic

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
<i>Applicant</i> 	B-
_____	EXHIBIT NO. <u>1, 2, 3, 4</u>
CASE NO. _____	<u>10819</u>

Case #10819

MOUNTAIN FEDERAL #5

Unit C, NE/4NW/4
Section 30, T7S, R32E
Tomahawk San Andres Field
Chaves County, New Mexico

HORIZONTAL DRILLING PROCEDURE

1. Set cement retainer @ 4080'. Cement squeeze perforations 4100' to 4142'.
2. Drill out cement to 4080'. Pressure test casing to 1000 psi.
3. Mill section in 5½" casing from approximately 4004' to 4054'. Set cement plug. Drill out cement to approximately 4034'.
4. Run directional survey.
5. Kickoff cement plug at approximately 4034'.
6. Drill 60+ feet radii curve to an inclination of approximately 85 to 90 degrees. Conduct surveys every 5 feet of the arc.
7. Drill laterally approximately 1000+ feet in a direction of our choice, thru a vertical depth of approximately 4092' to 4134'.
8. Conduct surveys every 30 feet in the lateral.
9. A distance of 100 feet will be maintained by the horizontal hole from the lease line.

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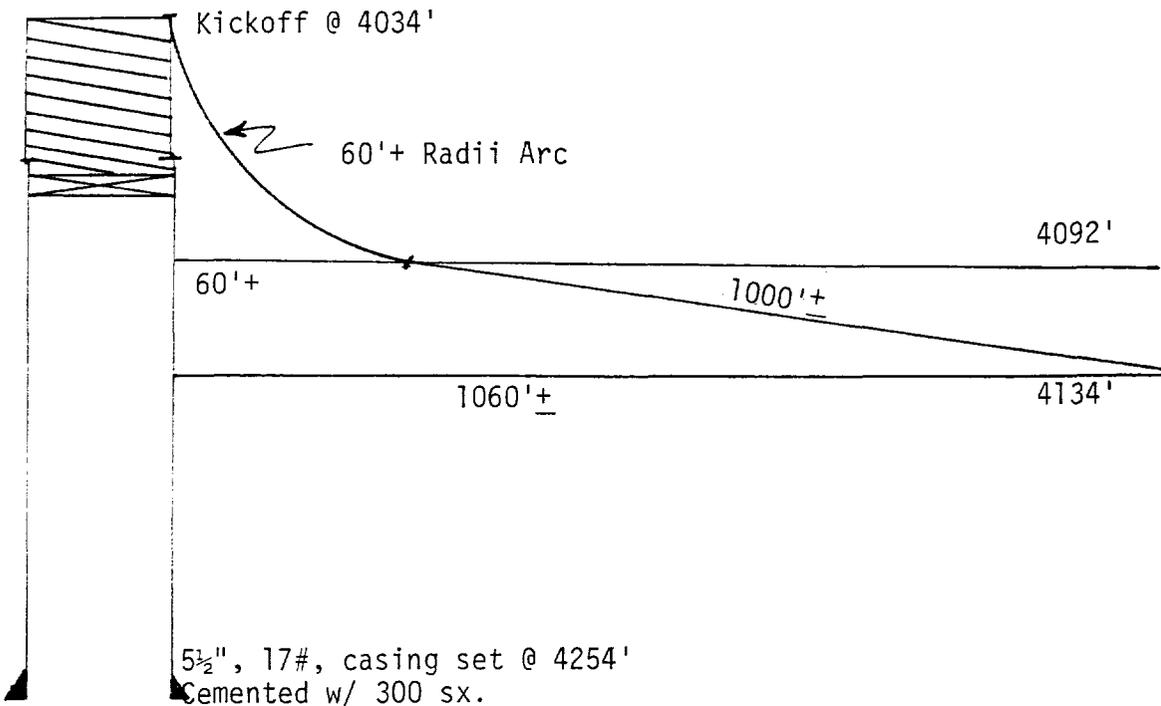
Mill 5½" casing
4004' - 4054'

Cement plug
4034' - 4080'

Cement retainer
@ 4080'

Kickoff @ 4034'

60'+ Radii Arc



Perforations
4100' - 4142'

5½", 17#, casing set @ 4254'
Cemented w/ 300 sx.