DOCKET: Examiners Hearing - Thursday, September 15, 1994

Case #11083 - Project Area: NE/4NE/4,S/2NE/4&SE/4, Sec. 36, T7S, R31E

EXHIBIT #X A Map

EXHIBIT #2 B Offset Operators

Tom State "36" #1

EXHIBIT #3 Horizontal Drilling Procedure

EXHIBIT #4\(\infty\) Schematic

Tom State "36" #4

EXHIBIT #5 \(\bar{\alpha}\) Horizontal Drilling Procedure

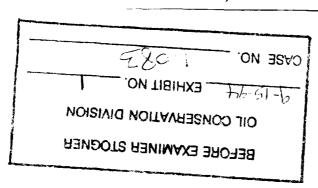
EXHIBIT #6 Schematic

Tom State "36" #5

EXHIBIT #1/5 Horizontal Drilling Procedure

EXHIBIT #8 Schematic

Exhibits 1 through 1-H Complete Set



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	NE/4NE/4,S/2NE/4&SE/4, Sec. 36, T7S, R31E Tomahawk San Andres Field Chaves County, New Mexico	()	EXHIBIT # A	The state of the s	1000 1000 1000 1000 1000 1000 1000 100	(G Street etal) + -	Topics of Service Language	(180 2 15677 (Selection) (1876)	10 10 10 10 10 10 10 10 10 10 10 10 10 1	idea.erd Shum	A REULING STATE OF THE STATE OF	THE STATE OF THE S	Page of the state	Schwood School Street Street Street Street	Hamming And Andrews An	16 17 ms 210	(6.5) Garage and Cara (6.5) 10.00 10.0	TrunsTrunsTrung TrunsTrunsTrung TrunsTrunsTrung TrunsTrunsTrungTrung TrunsTrunsTrunsTrungTrung TrunsTrunsTrunsTrunsTrung TrunsTrunsTrunsTrungTrung TrunsTrunsTrungTrungTrung TrunsTrunsTrunsTrungTrungTrung TrunsTrunsTrunsTrungTrungTrungTrung TrunsTrunsTrunsTrungTrungTrungTrung TrunsTrungTrunsTrungTrungTrungTrungTrung TrunsTrunsTrungTrungTrungTrung TrunsTrunsTrungTrungTrungTrungTrungTrungTrung TrunsTrunsTrungTrungTrungTrungTrungTrungTrungTrung	3 (United)	
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TOM STATE "36" #1, #4 & #5
NE/4NE/4,S/2NE/4&SE/4, Section 36, T7S, R31E

Offset Operators:

Yates Petroleum Corporation 105 South 4th Artesia, NM 88210

Murphy Operating Corporation P.O. Box 2648 Roswell, NM 88201

Strata Production P.O. Box 1030 Roswell, NM 88201

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EXHIBIT #3

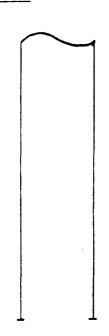
Case #11083

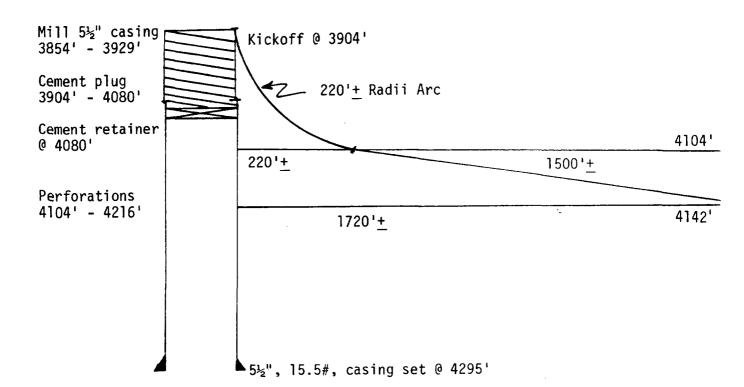
TOM STATE "36" #1
Unit A, G & H, NE/4NE/4,S/2NE/4
Section 36, T7S, R31E
Tomahawk San Andres Field
Chaves County, New Mexico

HORIZONTAL DRILLING PROCEDURE

- 1. Set cement retainer @ 4080'. Cement squeeze perforations 4104' to 4216'. Pressure test casing to 1000 psi.
- 2. Mill section in $5\frac{1}{2}$ " casing from approximately 3854' to 3929'. Set cement plug. Drill out cement to approximately 3904'.
- Run directional survey.
- 4. Kickoff cement plug at approximately 3904'.
- 5. Drill 220+ feet radii curve to an inclination of approximately 85 to 90 degrees. Conduct surveys every 35 feet of the arc.
- 6. Drill laterally approximately 1500+ feet in a direction of our choice, thru a vertical depth of approximately 4104' to 4142'.
- 7. Conduct surveys every 70 feet in the lateral.
- 8. A distance of 100 feet will be maintained by the horizontal hole from the lease line.

TOM STATE "36" #1





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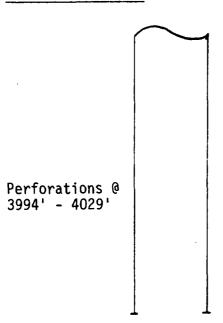
TOM STATE "36" #4
Unit J & I, N/2SE/4
Section 36, T7S, R31E
Tomahawk San Andres Field
Chaves County, New Mexico

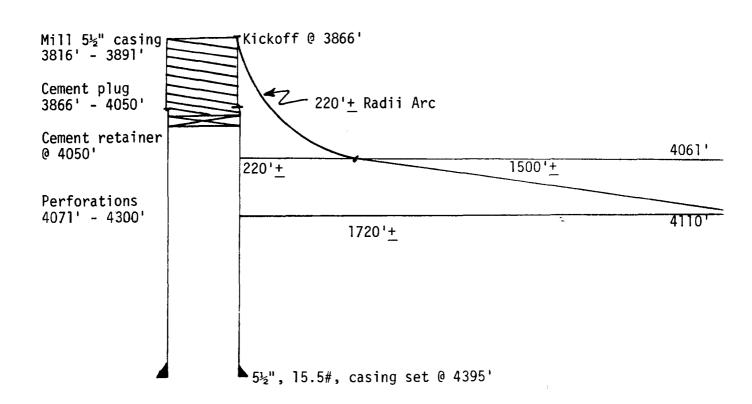
HORIZONTAL DRILLING PROCEDURE

- 1. Set cement retainer @ 4050'. Cement squeeze perforations 4071' to 4300'.
- 2. Set packer @ 3744'. Cement squeeze perforations 3994' to 4029'.
- 3. Drill out cement to 4050'. Pressure test casing to 1000 psi.
- 4. Mill section in $5\frac{1}{2}$ " casing from approximately 3816' to 3891'. Set cement plug. Drill out cement to approximately 3866'.
- 5. Run directional survey.
- 6. Kickoff cement plug at approximately 3866'.
- 7. Drill 220'+ radii curve to an inclination of approximately 85 to 90 degrees. Conduct surveys every 35 feet of the arc.
- 8. Drill laterally approximately 1500'+ in a direction of our choice, thru a vertical depth of approximately 4061' to 4110'.
- 9. Conduct surveys every 70 feet in the lateral.
- 10. A distance of 100 feet will be maintained by the horizontal hole from the lease line.

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TOM STATE "36" #4





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Case #11083

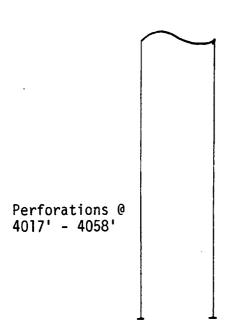
TOM STATE "36" #5 Unit P&O, S/2SE/4 Section 36, T7S, R31E Tomahawk San Andres Field Chaves County, New Mexico

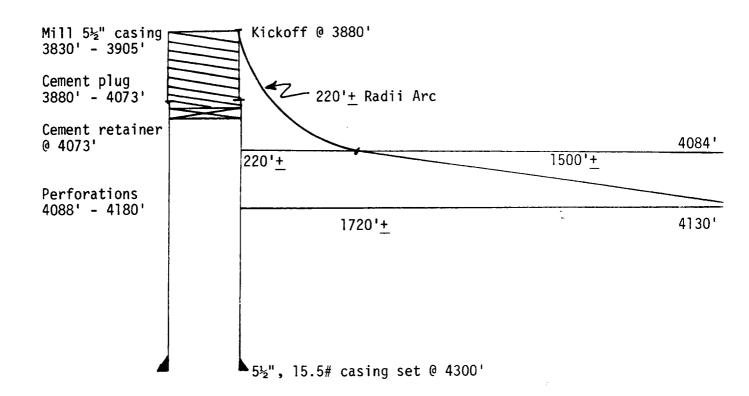
HORIZONTAL DRILLING PROCEDURE

- 1. Set cement retainer @ 4073'. Cement squeeze perforations 4088' to 4180'.
- 2. Set packer @ 3760'. Cement squeeze perforations 4017' to 4058'.
- 3. Drill out cement to 4073'. Pressure test casing to 1000 psi.
- 4. Mill section in $5\frac{1}{2}$ " casing from approximately 3830' to 3905'. Set cement plug. Drill out cement to approximately 3880'.
- 5. Run directional survey.
- 6. Kickoff cement plug at approximately 3880'.
- 7. Drill 220+ feet radii curve to an inclination of approximately 85 to 90 degrees. Conduct surveys every 35 feet of the arc.
- 8. Drill laterally approximately 1500+ feet in a direction of our choice, thru a vertical depth of approximately 4084' to 4130'.
- 9. Conduct surveys every 70 feet in the lateral.
- 10. A distance of 100 feet will be maintained by the horizontal hole from the lease line.

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TOM STATE "36" #5





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