JONES, SHELBURNE & FARMER, INC.

OIL PRODUCERS - DRILLING CONTRACTORS

OKLAHOMA CITY, OKLAHOMA - RUSSELL, KANSAS

FRED JONES
SAM SHELBURNE
JOHN O. FARMER

Box 572
Wakeeney, Kansas
4 September 1956

Mr. John O. Farmer
Jones, Shelburne & Farmer, Inc.
Russell, Kansas

Dear Mr. Farmer: Re: Stahl Prospect
NW¼ 21-9S-18W
Rooks County, Kansas

Enclosed is a plat with Anhydrite structural data and Anhydrite to Basal Pennsylvanian interval data for four spot correlation shot points. Shot point 121 was shot as a seismic-well top tie with the Jones, Shelburne & Farmer, Inc. No. 1 Stahl and is the basis for comparison with the other three locations evaluated.

Although all Anhydrite data are higher than the No. 1 Stahl the interval map is recommended as a more reliable evaluator of structure due to correctional difficulties encountered in computing structural data.

The location at shot point 421, SW SW NW, appears to be structurally higher than the other locations and is recommended as the most desirable drilling site.

Respectfully submitted,

L. E. Bernard

LEB/hb

S T A T I S T I C A L

(Supplementary)

INTERPRETATION

Acreage: 160
Type Correction: Standard Up-hole
Elevation Correction Velocity: 7000'/Second
Weathering Velocity: 2000'/Second
Correction Plane: +2100
Average Velocity to Anhydrite: 7620'/Second
Interval Velocity: 13,000'/Second

RECORDING

Record Quality: Good
Shot Points: Four
Type Profile: Spot Correlation
Spread: 110-0-330
Phones: 5 per trace
Seismograms: 8
Explosives: 46
Average Charge Size: 5.7

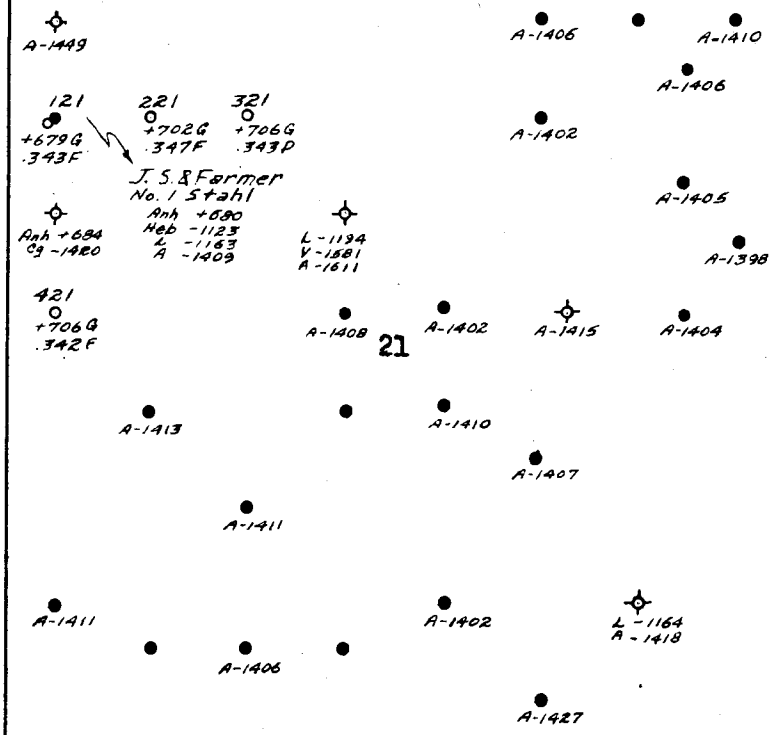
SURVEYING

Vertical Control: Well ties
Horizontal Control: Ownership lines

DRILLING

Average Hole Depth: 70 feet
Typical Hole Log: 0-20-soil
20-35-fine sand
35-40-white rock
40-80-blue shale

Section 21
Township 9 South-Range 18 West
Rooks County, Kansas



Seismograph Survey
of
STAHL PROSPECT
By
Jones, Shelburne & Farmer, Inc.

T. E. Bernard

Date 4 Sept. 1956