



December 9, 1970

The following summary geological report is for:

UPRR-Jorgenson #1-7  
NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 7, Township 3 South, Range 57 West  
Adams County, Colorado

Spud Date: November 23, 1970

Surface Casing: Set 8-5/8" x 24# surface casing at 89 feet KBM.  
Cemented with 60 sacks regular cement.

Hole Size: 7-7/8"

Cores: Core #1 from 5567-5623

Drill Stem Tests: DST #1 from 5585-5616

Logs: Schlumberger Induction-Electrical Log and Compensated  
Formation Density Log

Log Date: November 30, 1970

Disposition: Plugged December 2, 1970, with 15 sacks bottom of  
surface casing and 10 sacks top of surface casing.  
Permission to plug given by Mr. Hack Morrell,  
Colorado Oil and Gas Conservation Commission.

ELECTRIC LOG TOPS

Elevation: 4817 Ground; 4823 K.B.

Niobrara	4658
Ft. Hays	5040
Carlile	5084
Greenhorn	5153
Bentonite	5390
"D" Sand	5487 (-664)
"J" Sand	5534 (-711)
Total Depth	5651 Log; 5655 Driller

CORE #1

Interval: 5578-5634 (Corrected to 5567-5623 Log Measurements)  
Recovery: 55½ feet (lost ½ foot)  
Coring Time: 15 - 24 - 25 - 22 - 18 - 17 - 28 - 22 - 5 - 11 - 4 -  
9 - 13 - 6 - 6 - 6 - 4 - 8 - 4 - 5 - 5 - 8 - 9 - 5 -  
5 - 12 - 19 - 14 - 12 - 14 - 10 - 6 - 14 - 11 - 34 -  
14 - 12 - 10 - 9 - 21 - 5 - 5 - 5 - 9 - 6 - 6 - 4 -  
5 - 5 - 4 - 9 - 5 - 5 - 5 - 5 - 7  
Description: 7½' - Siltstone and shale  
2' - Sand, tan, very-fine-grained, silt-filled,  
slight porosity, no shows  
2½' - Siltstone, gray, arenaceous  
11½' - Sand, gray, ver-fine-grained, very silty, low  
porosity, no shows  
½' - Siltstone  
1½' - Sand, same as 11½' above  
1' - Shale, gray, firm  
2½' - Sand, same as 11½' above  
½' - Siltstone  
3½' - Sand, dark gray, fine-grained, silty, fair  
porosity, no shows  
13' - Siltstone and shale with thin scattered sand  
stringers  
9½' - Sand, dark gray, shaly and "reworked", fair  
porosity, interbedded with gray shale

DST #1

Interval: 5585-5616 (Log Measurements)  
Time Period: Open 15 minutes pre-flow; 30 minutes initial  
shut-in; 90 minutes flow; 60 minutes final shut-in  
Blow: Good steady blow throughout, blowing off bottom of  
bucket after 30 minutes  
Recovery: 1080 feet of water  
Pressures: IFP - 93 (Pre-flow Period) IFP - 173  
FFP - 146 (Pre-flow Period) FFP - 492  
ISIP - 916 FSIP - 916  
IHP - 2868 FHP - 2774

## DISCUSSION

This well was drilled in an attempt to find a trap for the oil shows encountered in the #1-12 Verna Chambers. Although the UPRR-Jorgenson ran some 21 feet higher structurally than the Chambers, a core of the interval encompassing the Chambers shows was described as a low porosity silty sand with no hydrocarbon shows.

In spite of the fact that a 56-foot core of this entire interval was cut and that a Pan American representative was present to inspect the core, Pan American's office geologists required the running of a needless drill stem test with the obvious negative results.



ROBERT O. KARL  
Geologist