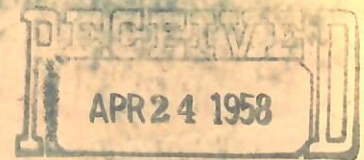




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### GEOLOGICAL SUMMARY



OIL & GAS  
CONSERVATION COMMISSION

Compass Exploration, J. A. Terteling and Sons #1 State  
 C SW SE Section 25, T. 8 N., R. 54 W.  
 Logan County, Colorado  
 Elev: 4209 K.B., 4203 gr.  
 Spud: 4-6-58 Comp: 4-13-58 P. & A.  
 Casing: 8-5/8 @ 146 w/100 sx.

BEST IMAGE  
AVAILABLE

<u>Top</u>	<u>Sample-Core</u>	<u>E-log</u>
"D" sand	4891	4877
"J" sand		
Upper sand	4989	4976
"Producing sand"	5021	5008
Lower sand	--	5024
Total depth	5065	5056 in "J" sand

A 13' discrepancy in the driller's depth was discovered and thus all cored intervals and the total depth have been adjusted to the electric log measurements.

#### Cores:

4972 - 5007 cored 35', rec. 35'  
 5007 - 5021½ cored 14½', rec. 14'

Description of cores follows on attached exhibit.

#### Samples:

Samples were caught from 4100' to total depth and examined as drilling proceeded by R. D. Dalrymple, consulting geologist for Allison Drilling Company. A cut of these samples will be available for examination from Compass Exploration after April 21, 1958. American Stratigraphic Company will also be furnished a set of samples.

#### Shows of Oil and Gas:

No shows of oil or gas were noted in samples of "D" or the lower portion of "J". The only shows of oil were encountered in Core #1 in a ten inch sandstone interval topped at 5005½.

This ten inch interval exhibited spotty to uniform saturation of yellowish brown, high gravity oil and a four inch streak of more porous sandstone about midway in the interval was uniformly saturated and bled oil from pores and vugs. Vugs resulted from the washing out of coal inclusions during coring. The entire sand was very carbonaceous and contained many chips, flakes and pebbles of coal and powdery carbon.

Correlation with Nearby Wells:

The above described sandstone apparently is directly correlative with the producing sandstone at the Pubco #1 Hoxie well in C NW SE, Section 25, T. 8 N., R. 54 W., 1320' north of this test. The sand apparently has almost pinched out in this interval and lacks appreciable development of porosity and permeability. This sand in the Pubco well has 4 feet of effective productive section. The Compass-Terteling test was five feet higher structurally than the Pubco #1 Hoxie.

Decision to Abandon:

In view of the poor section encountered in the "J" section in cores, the lack of shows in the "D" in samples and the lack of other potentially productive zones on the electric log and microlog, no further coring and no testing or attempt at completion was deemed necessary.

Howard R. Ritzma  
Geologist  
Compass Exploration