

5-335-5W

GEOLOGICAL REPORT

DORSET COMPANY

#1 STANLEY WETHINGTON

NW SW SECTION 5-33S-5W

HARPER COUNTY, KANSAS

By

HARRY V. TUCEI, Geologist

The Home-Stake Royalty Corporation
The Home-Stake Oil & Gas Company
507 Philtower Building

Tulsa, Oklahoma

OWLL

June 9, 1969

Dorset Company
Nine East Fourth Building
Tulsa, Oklahoma

Re: Dorset Company #1 Stanley Wethington
NW SW Section 5-33S-5W, Harper
County, Kansas

Gentlemen:

Samples were examined and drilling time was logged from 3000' to rotary depth.

All sample descriptions are from drilling measurements based on kelly busing elevation.

Following are formation tops as determined by sample description and drilling time:

<u>Formation</u>	<u>Sample Top</u>	<u>Datum</u>	Elev. 1337 KB 1332 GL
Stalnaker Lime	3433	-2096	
Stalnaker Sand	3467	-2130	
Kansas City Lime	3706	-2369	
Marmaton	4020	-2683	
Cherokee	4196	-2859	
Mississippi	4365	-3028	

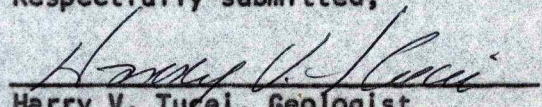
Stalnaker Sand - 3490-3540. Sand, grey very fine grain with impurities. 3540-3650. Sand white to grey, medium to coarse grain, highly porous, much impurities.

Kansas City - 3732. The circulating sample had a few pieces of limestone, white cream to tan, dense to finely crystalline, very slight odor and taste. 3732-3950. The entire section was void of any shows of oil or gas.

Mississippi - 4364-72. Chert, yellow, tan fossiliferous with much red shale.

This well is slightly higher on the top of the Mississippi than a similar zone in the Dorset Company #1 Salser less than one-half mile to the southwest and a well that had tested some oil in the top of the Mississippi. It was recommended that 5- $\frac{1}{2}$ " casing be run to total depth and drill into possible pay section with cable tools.

Respectfully submitted,


Harry V. Tucei, Geologist
The Home-Stake Companies

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FACTS PERTINENT TO THE DRILLING
of the
DORSET COMPANY #1 STANLEY WETHINGTON
NW SW SECTION 5-33S-5W
HARPER COUNTY, KANSAS

CONTRACTOR: Gabbert-Jones, Inc.

Spud Date 4-21-69

8-5/8" @ 262'

Date RTD 5-3-69

5-1/2" At 4371

TOTAL FOOTAGE DRILLED PER DAY

1165 feet deep @ 7:30 a.m.	4-22-69
1340	4-23-69
1340	4-24-69
1646	4-25-69
2436	4-26-69
2877	4-27-69
3145	4-28-69
3675	4-29-69
3890	4-30-69
4022	5-1-69
4162	5-2-69
4320 to total depth	5-3-69

SLOPE TEST

<u>DEPTH</u>	<u>DEVIATION</u>
852	0
1126	3/4
1425	3/4
1818	3/4
2490	4
2556	3-3/4
2618	3-1/2
2741	3
2890	5
2926	5-1/4
2984	4-1/2
3145	3-3/4
3220	3-3/4
3326	3-3/4
3388	4-1/2
3458	5
3485	5
3605	3-1/2
3758	2
3446	2
4002	2-1/2

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth Out</u>	<u>Hours</u>
1	7-7/8"	Security	S4J	1126	8
2	"	Security	M4N	1425	10-1/2
3	"	Hughes	OWV	1818	13
4	"	Hughes	OSC1G	2460	14-1/2
5	"	Hughes	CIC	2926	19
6	"	Hughes	OSC1G	3485	22
7	"	Hughes	OSC1G	3758	8-3/4
8	"	Hughes	OWV	3946	18-1/4
9	"	Hughes	OWV	4022	8-1/4 (lost cone)
10	"	Hughes	OWV	4162	14
11	"	Hughes	OWV	4300	13-1/2 (lost pt. of cone)
12	"	Hughes	W7	4372	6-1/2