

15-033-20745

9-31-17W

And

GEOLOGICAL REPORT

HELD BY PRODUCTION, INC.

#1 KASPER

50' E OF CW/2-NE-NW

9-T31S-R17W

COMANCHE COUNTY, KANSAS

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MAR 7 1989

CONSERVATION DIVISION
Wichita, Kansas

APR 13 1989
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

MARCH 9, 1989

DOUGLAS V. DAVIS JR,
PETROLEUM GEOLOGIST
1962 JOANN
WICHITA, KANSAS 67203
316-943-8393

9-31-17W

WELL DATA

Operator- Held By Production, Inc.
 Well- #1 Kasper
 API #- 15-033-20,745
 Location- 50'E CW/2-NE-NW- 9T31S-R17W, Commanche Co., KS
 Elevation- GL 2115' KB 2120'
 Contractor- Woodman-Iannitti Drilling Co., Rig 3
 Tool Pusher- Rich Wheeler
 Spud- 2/22/89
 Surface Casing- 10 jts 10-3/4" @ 449' 8-5/8" @ 1215'
 Commenced- 2/25/89
 Bit Size- 7-7/8"
 Completed- 3/6/89
 RTD/LTD- 5128'/5125'
 Mud- Sloan's Mud Engineer - Larry Sloan
 Testing- Halliburton Services Tester - Roy Parker
 Logging- Davis Great Guns Engineer - Bob Harrell
 Samples- KGS Well Sample Library, Wichita, KS
 Status- D & A 3/7/89

CHRONOLOGICAL DATA

<u>Date</u>	<u>Depth</u>	<u>Description</u>
2/22/89	0000	Spud; lost circ @ 285 mixed mud
2/23/89	0377	WOR drilled to 469 W/12-3/4" set 10 jts 10-3/4" @ 449' W/290 sxs
2/24/89	0469	WOC Run 30 jts, 8-5/8" @ 1215'
2/25/89	1218	Cementing 8-5/8" drilled out 3:45 PM
2/25/89	2260	Drilling ahead
2/27/89	2950	Drilling ahead
2/28/89	3578	Drilling ahead; geologist on location
3/1/89	4153	Drilling ahead
3/2/89	4570	Drilling ahead
3/3/89	4835	Short trip; CFS @ 4902; DST #1
3/4/89	4902	DST #1, drilling ahead, CFS @ 5040
3/5/89	5048	CFS @ 5055; 5078; DST #2; WOR
3/6/89	5078	WOR; drilling ahead; CFS @ 5128; log
3/7/89	5128	Plug

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BIT RECORD

1	12-1/4"	Smith DT	Out 377'
2	14-3/4"	Smith DT	469'
3	7-7/8"	Smith F17	970'
4	9-7/8"	Smith DT	1218'
5	7-7/8"	Smith F17 RR	4902'
6	7-7/8"	Smith F27 RR	5128'

HOLE DEVIATION

4902' - 0°

STRAPS

9-31-17W

FORMATION TOPS

<u>Formation</u>	<u>Log</u>	<u>Datum</u>	<u>Sample</u>
Heebner Shale	4209	-2089	4214
Douglas Shale	4241	-2121	4247
Brown Limestone	4378	-2258	4381
Lansing Group	4391	-2271	4395
Base KC Group	4815	-2695	4811
Marmaton Group	4870	-2750	4873
Altamont Limestone	4882	-2762	4882
Cherokee Group	4960	-2840	4962
Erosional Conglomerate	5013	-2893	5013
Mississippian Warsaw	5033	-2913	5037
Mississippian Osage	5073	-2953	5071

TESTS

- #1 4879-4902' Altamont Limestone 30"-60"-45"-120"
 IHP 2386# FHP 2365#
 IFP 31-51# FFP 31-51#
 ISIP 1148# FSIP 1046# BHT 111°F.
 REC-90' GCM, 30' G&SOCM

- #2 4990-5078' Mississippian 30"-60"-60"-120"
 IHP 2427# FHP 2427#
 IFP 72-92# FFP 82-123#
 ISIP 1148# FSIP 1230# BHT 11°F.
 REC-135' Mud

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GEOLOGICAL COMMENTS

There were no shows of any kind throughout the Douglas, Lansing, or Kansas City groups.

The Marmaton group log top was chosen at 4870' (-2050). This would be 6 feet low to the Lee Banks #1 Peppard, SE SE NE section 8- 31S-17W; 4 feet low to the Energetics #23-9 Yost, CNE-SW, Section 9-31S-17W; and 10 feet low to the HBP #1 Haltom, SW-SE-NE, Section 9-31-17W. Samples were cream to tan, finely crystalline, fossiliferous limestone, with fair solution vug and fossil-cast porosities. There was a light brown staining and a trace of free oil, with a yellow fluorescence and a poor cut (see results of DST #1).

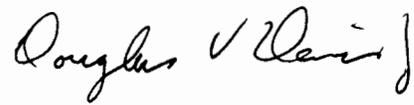
The Mississippian Warsaw log top was chosen at 5033' (-2913). This would be 15 feet low to the Banks #1 Peppard; 6 feet low to the Energetics #23-9 Yost; and 9 feet low to the HPB #1 Haltom. Samples were cream to tan, finely crystalline, glauconitic, fossiliferous limestone, with no visible porosity from 5037 to 5055.

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Samples, from 5055' to 5073', were cream to tan, finely sucrosic to finely crystalline soft dolomite with fair inter-crystalline porosity. There was a light brown staining and a poor to fair fluorescence and cut, but no free oil (see results of DST #2).

It was recommended that this test be plugged and abandoned due to the poor results of drill stem testing and no log shows.

Respectfully submitted,



Douglas V. Davis, Jr.
Petroleum Geologist

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