

Computer Inventoried

CONFIDENTIAL

BLACK PETROLEUM COMPANY

P.O. BOX 12922
WICHITA, KANSAS 67277-2922



OFFICE: 316-729-8220

THOMAS E. BLACK
President - Geologist

CONFIDENTIAL

ORIGINAL

GEOLOGICAL REPORT

Thomas E. Black, Geologist

RELEASED

#1 FLIPSE
C SE NW

MAR 23 1998

Section 20-11S-33W
Logan County, Kansas

FROM CONFIDENTIAL

15-109-20628

CONTRACTOR: L. D. Drilling, Inc.

ELEVATION: 3148 K.B.

COMMENCED: May 30, 1996

SURFACE CASING: 263' new 24#@270'

COMPLETED: June 8, 1996

PRODUCTION: Dry & Abandoned

ELECTRICAL SURVEYS: Radiation-Guard
with SP. by Log-Tech

DRILL STEM TESTS: 2

Diamond Testing Co., Inc.

CEMENT: 170 sacks Pozmix, 3% cc, 2% gel

Samples were saved and examined from 3700 feet to 4680 feet. One-foot drilling time was kept from 3700 feet to 4680 feet, R.T.D. All measurements are from Kelly Bushing. Pipe Strap @ 3807 feet. 1.4 feet short to board. Knocked bit cone off @ 3807 feet. Retrieved with Basket.

SEP 9
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FORMATION TOPS

	<u>Samples</u>	<u>E-Log</u>	<u>Datum</u>
Top Anhydrite		2616'	+532
Base Anhydrite		2640'	+508
Topeka	3812'	3813'	-665
Heebner Shale	4048'	4047'	-899
Toronto	4076'	4074'	-926
Lansing	4091'	4086'	-938
Stark	4310'	4310'	-1162
Base of K.C.	4369'	4369'	-1221
Marmaton	4419'	4419'	-1271
Pawnee Lm.	4507'	4513'	-1365
Fort Scott	4564'	4569'	-1421
Cherokee Shale	4593'	4598'	-1450
Johnson Zone	4640'	4641'	-1493
Johnson Porosity	4658'	4659'	-1511
TOTAL DEPTH	4680'	4682'	-1534

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Black Petroleum Company
Wichita, Kansas

STRUCTURAL COMPARISON TO NEARBY WELLS

	Black Petroleum Co. #1 Flipse	Red Tiger (SE)	Jones #1 Vogler(NW)
Base Anhydrite	+ 508	+ 504	+ 501
Lansing	-938	-941	-943
Johnson Zone	-1493	-1486	-1496

ZONES OF INTEREST - DRILL STEM TESTS

Lansing-K.C. "K" Zone: Limestone, white, medium xln. fossiliferous, fair odor, slight show of free oil, fair porosity.

DRILL STEM TEST #1 4800' - 4835' (Covers "K" Zone - K.C.)

Open 75"

Weak blow to 7". Recovered 10' clean 37 degree oil + 236' muddy water with scum of oil.

IFP 56-67

FF 101-123

ISIP 1287 in 45"

FSIP 1267 in 60"

T = 121 degrees

Johnson Zone: 4657'-4665': Limestone, buff to chalky. Slightly fossiliferous. No Show. No visible porosity, but looks worth testing from log.

DRILL STEM TEST #2 4535' - 4670' (Covers Johnson Zone)

Open 60"

Weak blow 4"-2". Recovered 102 S/1-oil specked mud.

IFP 78-81

FF 123-112

ISIP 972

FSIP 901

T = 126 degrees

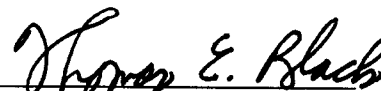
CONCLUSION

The #1 FLIPSE encountered no significant zones of interest, other than the "K" Zone of the K.C. and the Johnson Porosity Zone, both covered by separate drill stem tests. All other zones on the log were judged as having no permeability, and chalky. It was herein recommended that the #1 FLIPSE be plugged as dry & abandoned.

Respectfully submitted,

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SEP 19 1996


Thomas E. Black, Geologist

Black Petroleum Company
 #1 FLIPSE
 C SE NW
 Section 20-11S-33W
 Logan County, Kansas

		<u>DRILLING TIME</u>	<u>REMARKS</u>
<u>FROM</u>	<u>TO</u>		
2600	to 2610	1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2	
	2620	1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 1/2 - 2 - 2 - 1	
	2630	1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	
	2640	2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	
	2650	3 - 3 - 3 - 3 - 2 - 2 - 2 - 2 - 2 - 2	
	2659	2 - 3 - 3 - 3 - 2 - 3 - 3 - 2 - 3	
3700	to 3710	3 - 4 - 3 - 4 - 4 - 4 - 4 - 5 - 5 - 5	
	3720	1 - 1 - 2 - 2 - 3 - 4 - 4 - 3 - 4 - 4	
	3730	5 - 5 - 4 - 5 - 4 - 5 - 4 - 4 - 5 - 3	
	3740	2 - 3 - 3 - 4 - 4 - 3 - 7 - 6 - 3 - 2	
	3750	3 - 3 - 2 - 4 - 3 - 3 - 4 - 4 - 3 - 4	
	3760	3 - 3 - 3 - 4 - 2 - 1 1/2 - 1 1/2 - 1 - 1 - 1 1/2	
	3770	1 1/2 - 2 - 1 - 1 1/2 - 1 - 1/2 - 1/2 - 1/2 - 1 - 1	
	3780	3 - 3 1/2 - 4 - 3 1/2 - 4 - 3 1/2 - 3 1/2 - 4 1/2 - 4 1/2 - 3 1/2	
	3790	4 1/2 - 3 1/2 - 4 - 3 - 2 1/2 - 2 1/2 - 4 - 5 1/2 - 3 1/2 - 3 1/2	
	3800	3 1/2 - 3 - 2 1/2 - 3 - 3 - 3 - 3 - 3 - 3	Bit Trip @ 3807'
	3810	3 - 2 1/2 - 2 1/2 - 3 - 6 - 3 1/2 - 6 - 2 - 2 - 3	
	3820	2 - 3 - 2 - 1 - 1 - 2 - 3 - 2 - 2 - 2	
	3830	2 - 2 - 3 - 3 - 3 - 2 - 2 - 1 - 2 - 2	
	3834	3 - 1 - 1 - 2	Kelly 2' Short
3837	to 3840	2 - 3 - 3 - 2	

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 WASHINGTON, D.C.

Black Petroleum Company
 #1 FLIPSE
 C SE NW
 Section 20-11S-33W
 Logan County, Kansas

DEPTH		DRILLING TIME	REMARKS
FROM	TO		
3841	3850	3 - 2 - 3 - 2 - 2 - 2 - 2 - 1 - 2 - 2	
	3860	1 - 1 - 1 - 1 - 2 - 1 - 2 - 2 - 3 - 3	
	3870	2 - 3 - 3 - 2 - 3 - 3 - 3 - 3 - 3 - 2	
	3880	2 - 2 - 2 - 2 - 2 - 1 - 2 - 2 - 1 - 1	
	3890	1 - 1 - 1 - 1 - 1 - 2 - 1 - 1 - 1 - 1	
	3900	1 - 1 - 2 - 1 - 2 - 1 - 1 - 2 - 2 - 1	
	3910	1 - 1 - 1 - 1/2 - 1 - 1 - 1 1/2 - 1 - 1 - 2	
	3920	1 - 1 - 1 - 1 - 1 - 2 - 2 - 2 - 2 - 1	
	3930	1 - 4 - 3 - 4 - 1 - 2 - 2 - 2 - 1 - 2	
	3940	1 - 1 - 2 - 2 - 1 - 1 - 1 - 1 - 1 - 1	
	3950	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
	3960	1 - 1 - 1 - 2 - 2 - 2 - 3 - 3 - 3 - 3	
	3970	3 - 3 - 2 - 3 - 2 - 2 - 2 - 3 - 3 - 4	
	3980	3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 2	
	3990	3 - 3 - 4 - 4 1/2 - 3 1/2 - 3 - 3 1/2 - 4 - 3 - 4	
	4000	4 - 4 1/2 - 3 - 3 - 2 1/2 - 2 1/2 - 2 1/2 - 2 - 3 - 3 1/2	
	4010	3 1/2 - 1 - 1 - 1 - 1 1/2 - 1 1/2 - 2 - 2 - 1 1/2 - 2	
	4020	1 1/2 - 2 - 1 1/2 - 1 1/2 - 4 - 4 - 3 - 4 - 4 - 3	
	4030	3 - 3 - 3 - 3 - 3 - 2 1/2 - 2 1/2 - 1/2 - 1/2 - 1 1/2	
	4040	1 - 1 - 1 - 1 - 1/2 - 1 1/2 - 1 1/2 - 1 - 1 1/2 - 1 1/2	
	4050	1 - 1 - 1/2 - 1/2 - 1 - 1 1/2 - 2 1/2 - 3 - 2 - 1	
	4060	1 1/2 - 2 1/2 - 3 - 3 - 3 - 4 - 3 - 2 - 2 1/2 - 3	

STATE COMMISSION ON OIL AND GAS

SEP 19 1996

WARRANTY

Black Petroleum Company
 #1 FLIPSE
 C SE NW
 Section 20-11S-33W
 Logan County, Kansas

DEPTH		DRILLING TIME	REMARKS
FROM	TO		
4061	4070	2 1/2 - 3 - 2 1/2 - 3 - 3 - 3 - 2 1/2 - 2 1/2 - 2 1/2 - 2 1/2	
	4080	3 - 3 - 2 1/2 - 2 1/2 - 3 1/2 - 4 - 3 1/2 - 3 - 2 - 2 1/2	
	4090	3 1/2 - 3 - 3 - 3 - 3 - 2 1/2 - 3 - 3 - 4 - 4	Circulate @ 4084'
	4100	4 - 2 1/2 - 1 1/2 - 2 - 1 1/2 - 2 - 1 1/2 - 2 - 2 - 1 1/2	
	4110	1 1/2 - 2 - 3 - 2 1/2 - 2 1/2 - 3 - 3 1/2 - 3 1/2 - 3 - 4	
	4120	3 - 3 - 3 - 3 - 4 - 3 - 3 - 3 - 2 - 2	
	4130	2 - 2 - 2 - 2 - 3 - 3 - 4 - 4 - 4 - 4	
	4140	1 - 1 - 2 1/2 - 2 1/2 - 3 - 2 - 4 - 4 - 2 - 4	
	4150	4 - 5 - 4 - 4 - 4 - 4 - 4 - 4 - 2 - 2	
	4160	2 - 3 - 4 - 4 - 4 - 4 - 2 - 3 - 3 - 5	
	4170	5 - 4 - 4 - 4 - 5 - 5 - 5 - 3 - 3 - 4	
	4180	3 - 4 - 3 - 4 - 4 - 3 - 3 - 5 - 4 - 4	
	4190	3 - 3 - 3 - 4 - 4 - 4 - 4 - 4 - 3 - 3	
	4200	4 - 4 - 5 - 2 - 1 - 2 - 3 - 4 - 3 - 3	
	4210	3 - 2 - 3 - 2 - 2 - 3 - 3 - 4 - 3 - 2	
	4220	3 - 4 - 5 - 5 - 5 - 5 - 3 - 4 - 2 - 3	
	4230	3 - 5 - 5 - 3 - 4 - 5 - 4 - 5 - 4 - 4	
	4240	5 - 5 - 5 - 4 - 5 - 5 - 5 - 6 - 5 - 3	
	4250	3 - 2 - 3 - 4 - 5 - 6 - 6 - 6 - 5 - 5	
	4260	5 - 5 - 6 - 5 - 4 - 5 - 3 - 3 - 4 - 5	Circulate @ 4260'
	4270	5 - 4 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	
	4280	3 - 3 - 3 - 2 - 3 - 2 - 4 - 3 - 3 - 2	

STATE OF KANSAS
 STATE GEOLOGICAL SURVEY

SEP 14 1996

WILLIAMSON COUNTY
 KANSAS

Black Petroleum Company
 #1 FLIPSE
 C SE NW
 Section 20-11S-33W
 Logan County, Kansas

DEPTH		DRILLING TIME	REMARKS
FROM	TO		
4281 to	4290	3 - 2 - 4 - 3 - 3 - 3 - 3 - 5 - 4 - 5	
	4300	5 - 5 - 5 - 4 - 4 - 4 - 3 - 3 - 4 - 3	
	4310	5 - 5 - 6 - 5 - 3 - 4 - 3 - 4 - 3 - 4	
	4320	2 - 2 - 2 - 4 - 4 - 4 - 4 - 4 - 3 - 4	
	4330	4 - 3 - 2 - 3 - 2 - 3 - 2 - 1 - 1 - 2	Circulate @ 4335' Drill Stem Test #1 4300' - 4335'
	4340	3 - 2 - 3 - 4 - 4 - 3 - 5 - 4 - 4 - 5	
	4350	5 - 5 - 5 - 5 - 4 - 4 - 4 - 5 - 5 - 4	
	4360	5 - 5 - 5 - 6 - 6 - 7 - 6 - 6 - 6 - 6	
	4370	4 - 4 - 4 - 4 - 6 - 5 - 4 - 5 - 5 - 4	
	4380	4 - 5 - 5 - 5 - 5 - 4 - 5 - 5 - 6 - 6	
	4390	7 - 4 - 5 - 4 - 3 - 2 - 3 - 2 - 2 - 2	
	4400	2 - 3 - 2 - 3 - 4 - 4 - 2 - 5 - 4 - 6	
	4410	5 - 5 - 5 - 5 - 6 - 5 - 4 - 3 - 4 - 5	
	4420	4 - 4 - 4 - 4 - 3 - 3 - 4 - 3 - 3 - 5	
	4430	5 - 5 - 4 - 4 - 3 - 4 - 4 - 3 - 3 - 3	
	4440	3 - 4 - 4 - 4 - 4 - 5 - 4 - 4 - 4 - 5	
	4450	4 - 4 - 4 - 5 - 5 - 4 - 5 - 5 - 4 - 5	
	4460	4 - 4 - 3 - 5 - 5 - 4 - 5 - 4 - 4 - 3	
	4470	3 - 3 - 4 - 4 - 4 - 4 - 4 - 3 - 3 - 3	
	4480	3 - 3 - 3 - 4 - 5 - 3 - 4 - 5 - 4 - 4	
	4490	4 - 5 - 6 - 5 - 5 - 5 - 5 - 6 - 4 - 4	
	4500	4 - 4 - 5 - 4 - 4 - 3 - 4 - 4 - 4 - 4	

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Black Petroleum Company
 #1 FLIPSE
 C SE NW
 Section 20-11S-33W
 Logan County, Kansas

DEPTH		DRILLING TIME	REMARKS
FROM	TO		
4501	4510	4 - 5 - 4 - 4 - 3 - 2 - 2 - 3 1/2 - 4 - 4	
	4520	2 1/2 - 3 1/2 - 3 - 2 1/2 - 3 1/2 - 2 - 3 - 2 - 2 - 3	
	4530	3 - 3 - 3 - 4 - 3 1/2 - 3 1/2 - 5 - 5 - 4 1/2 - 5	
	4540	5 1/2 - 5 - 4 1/2 - 4 1/2 - 5 - 4 - 5 - 6 - 4 1/2 - 3	
	4550	3 - 3 - 5 - 5 - 4 1/2 - 4 - 5 - 5 - 5 - 4	
	4560	5 - 5 - 5 - 5 - 4 1/2 - 4 1/2 - 5 - 4 - 5 - 4	
	4570	5 - 6 - 5 - 3 - 3 - 3 - 5 - 5 - 6 - 4	
	4580	3 - 6 - 5 - 6 - 4 1/2 - 5 1/2 - 5 - 6 - 5 - 4	
	4590	5 - 6 - 6 - 5 - 4 - 6 - 6 - 5 1/2 - 5 - 5	
	4600	5 - 5 - 5 - 4 - 5 - 4 - 5 - 4 - 5 - 3	
	4610	3 - 5 - 6 - 5 - 5 - 5 - 5 - 4 - 4 - 2	
	4620	2 - 2 - 4 - 5 - 4 - 3 - 6 - 5 - 6 - 6	
	4630	5 - 5 - 5 - 7 - 5 - 6 - 5 - 6 - 5 - 6	
	4640	6 - 5 - 7 - 6 - 7 - 7 - 6 - 7 - 6 - 7	
	4650	6 - 5 - 6 - 6 - 6 - 5 - 4 - 5 - 5 - 5	
	4660	5 - 6 - 5 - 6 - 5 - 7 - 5 - 4 - 3 - 2	
	4670	2 - 2 - 4 - 4 - 6 - 5 - 5 - 6 - 5 - 5	
	4680	5 - 6 - 5 - 5 - 5 - 6 - 4 - 4 - 3 - 5	Ran E-Log Drill Stem Test #2 4585' - 4680'

STATE OF KANSAS
 DEPARTMENT OF REVENUE

SEP 14 1996

WARRANTY