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Geologic Report Log

Company: Diehl Oil Inc
Well Name: 'A' 4
Field: Catharine South
Location: W2-NW-NE-SE
Sec. 22 Twp. 13S Rge. 17W
County: Ellis
State: Kansas

Production: @ 1
Elevation: RB 1983'
DF: 1973'
Operator: Diehl Oil Inc
Contractor: Scudder Drill, Inc
Comp.: Weller Design, Keger Masess
Geological Supervision: 2800 to final depth

Casing Record:
 PROD: 5 1/2" @ 36.14'
 SURF: 8 5/8" @ 28.2'
 TOTAL DEPTH LOG: 3612'

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	ELECTRIC LOG	SURFACE	STRUCTURAL POSITION
ANKARAPPE	1183 (1782)	1787	+178	T-10
ANKARAPPE BASE	1230 (1559)	1230	+123	N/A
TOPEKA	2986 (1002)	2984	-1001	N/A
TOPEKA	3231 (1298)	3229	-1296	+10
TOPEKA	3351 (1448)	3349	-1446	N/A
TOPEKA	3375 (1472)	3374	-1471	T-11
B/KANSAS CITY	3506 (1523)	3503	-1520	T-12
ARBURLE	3527 (1550)	3520	-1527	T-13

REFERENCE WELL FOR STRUCTURE: Brooks Pierce Rome 1, NW-NW-SE, 230' FSL @ 2310' FEL, Sec. 22-T13S-R17W, Ellis County, Kansas

DAILY PENETRATION

DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
11-1-19	500	1	1 1/4"	WALTE	HEATH	223'	2 1/4	
11-7-19	223'	2	1 1/8"	WALTE	HEATH	3555'	3 3/4	
11-8-19	223'	3	7/8"			57'	2 1/2	
11-9-19	2675'							
11-10-19	3378'							
11-11-19	3355'							
11-12-19	Logging							

DRILL STEM TESTS

No.	Interval	SPR/Time	SPR/Time	SPR/Time	SPR/Time	HRHP	REMARKS
1	3508 - 3555	40 / 5	6 1/4 / 15	198 / 30	475 / 45	1750 / 1710	186' OCNMU 1085' 189' free oil 1867' 128' OCNMU 2076' 50' OCNMU 5076' 1076' 4 1/2"
2	3555 - 3567	22 / 5	6 5/8 / 25	67 / 60	658 / 35	1776 / 1715	50' OCNMU 5076' 1076' 4 1/2"

REMARKS AND RECOMMENDATIONS: This well ran high to the comparison well throughout. Based on structure and favorable drill stem results production casing was run and cemented in.

Respectfully,
Roger L. Moses

LEGEND

