CADE CANADAY
CONSULTING GEOLOGIST
WICHITA, KANSAS

GEOLOGIC REPORT LOG

COMPANY: GORE OIL CO

WELL: CHESNEY UNIT # 104

FIELD: CHESNEY

LOCATION: 1542' FNL, 2054' FWL

SEC: 12 TWSP: 8s RGE: 17w

COUNTY: ROOKS

STATE: KANSAS

API #: 15-163-24342-00-00

MUD COMPANY: Andy's MUD & CHEM. CO.

CONTRACTOR: DUKE DRILLING RIG #8

COMMENCED: 6/17/17 COMPLETED: 6/25/17

CASING RECORD:

SURFACE: 8 5/8" @ 253' PRODUCTION: NA

TOTAL DEPTH DRLS.: 3415'

TOTAL DEPTH LOG: 3416'

R 17 W — T8S — 12

PRODUCTION: D&A

ELEVATION: KB 1974 DF GL 1966

DRILLING MEASURED FROM: KB

SAMPLES SAVED FROM: 10' - 2700' TO RTD

DRILLING TIME KEPT FROM: 1-2700' TO RTD

SAMPLES EXAMINED FROM: 2700' TO RTD

GEOLOGICAL SUPERVISION FROM: 2660' TO TOTAL DEPTH

DRILL STEM TESTS: DIAMOND TESTING

ELECTRICAL SURVEYS: PIONEER ENERGY SERV — DIL, CNL-CDL, MEL

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHYDRITE - TOP	1212	1211	+763	+5
ANHYDRITE - BASE	1245	1244	+730	+7
TOPEKA	2818	2819	-845	—
OREAD	2976	2983	-1009	—
HEEBNER	3035	3036	-1062	—
TORONTO	3057	3056	-1082	—
LANSING	3079	3077	-1103	—
BKC	3322	3324	-1350	+1
ARBUCKLE	3391	3393	-1419	NR
TOTAL DEPTH	3415	3416	-1442	-70

REFERENCE WELL FOR STRUCTURE: CITIES SERVICE OIL CO., HOUSTON 'B' #2 (GOC-CHESNEY UNIT # 102), 330' N & 330' W of Center, Sec 12-T8s-R17W, ROOKS Co, KS

SCHM01-12

DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH-FHH	RECOVERY
1	2827-2860 (Stacked out 18' early) TOPEKA	9#-15# 30"				1281# 1280# 97°F	10' MUD
2	2942-3064 OREAD-TOR	11#-29# 30"	682# 60"	31#-44# 30"	662# 60"	1363# 1349# 101°F	70' MUD w/H Oil Spots
3	3064-3128 LANS 'A,B,C'	10#-12# 30"	791# 60"	11#-15# 30"	157# 60"	1424# 1409# 103°F	5' MUD W/ H OIL SPOTS
4	3122-3186 LANS 'D,E,F,G'	11#-46" 30"	588# 60"	50#-92# 60"	489# 90"	1468# 1451# 100°F	124' OWCM (25% O, 25% W, 50% M) 63' OMCW (10% O, 15% M, 75% W)
5	3219-3252 LANS 'H,I'	12#-32# 30"	271# 60"	37#-71# 60"	266# 90"	1514# 1490# 102°F	20' FO 120' OMCW (5% O, 40% M, 55% W)
6	3249-3326 LANS 'J,K,L'	14#-14# 30"	422# 60"	17#-17# 30"	356# 60"	1523# 1504# 101°F	15' OCM (5% O, 95% M)

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
1	12 1/4	JZ		267'	267'	2 1/2
2	7 7/8	JZ		3415'	3148'	76 1/2

PIPE STRAPS & DEV. SURVEYS

PIPE STRAP: @ 2880: 2.89 LONG

DEVIATION SURVEYS: @ 267' - 1° @ 1023' - 1/2° @ 2029' - 1/4° @ 2860' - 1/4° @ 3415' - 3/4°

DAILY PENETRATION

DATE	DEPTH
6-17	MIRT & SPUD - 253'
6-18	WOC
6-19	1615' - DRLG
6-20	2452' - DRLG
6-21	2860' - DST #1
6-22	3064' - DST #2
6-23	3163' - DST #3
6-24	3252' - DST #4&5
6-25	3384 - DST #6
6-26	3415' - LDDP

MUD RECORD

MUD TYPE: PUMP SIZE: BPS:

NO	DATE	DEPTH	ACTIVITY	WT	VIS	FL	YP	PH	GS	LCM	CHL
2	6-21	2860'	DST #1	8.9	47	8	14	10	10/20	2#	2500
3	6-22	3064'	DST #2	9.1	51	8	14	9.5	10/20	3#	2000
4	6-23	3186'	DST #3	9.1	56	7.6	17	9.5	11/20	3.5#	2000
5	6-24	3264'	DST #4&5	9.2	51	7.6	17	9.5	10/20	3.5#	2000
6	6-25	3405'	DST #6	9.3	60	7.2	16	9.5	12/28	4#	2000

LEGEND: Anhydrite, Salt, Sandstone, Shale, Carb sh, Limestone, Ool. Lime, Chert, Dolomite