

CADE CANADAY

CONSULTING GEOLOGIST
WICHITA, KANSAS

COMPANY: GORE OIL CO
WELL: CHESENEY UNIT # 104
FIELD: CHESENEY

LOCATION: 1541' FNL, 2054' FNL
SEC: 12 T1P8 REC: 17W
COUNTY: ROOKS
STATE: KANSAS

APL # 15-103-24342-00-00
LAND OWNER: Andrus MUD & CHEM. CO.
CONTRACTOR: DUKES & KILLICK, R.L.#8
CONVEYANCE: 6/17/17 OPERATED 6/25/17
CASSING RECORD: NA

PRODUCTION: D&A
ELEVATION: 1974
DETAILED LOGS: 10-2700' to 1974'
SURFACE METER: 1-2700' to 1974'
SUSPENDED METER: 1-2700' to 1974'
SUSPENDED METER: 1-2700' to 1974'
SUSPENDED METER: 1-2700' to 1974'

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHYDRITE - TOP	1212	1211	+763	+5
ANHYDRITE - BASE	1215	1214	+730	+1
TOPEKA	2818	2819	-845	—
HEEBNER	2976	2975	-1004	—
TORONTO	3035	3036	-1082	—
LANSING	3079	3077	-1105	+1
BKC	3322	3321	-1417	NR
ARBUCKLE	3391	3416	-1417	-70
TOTAL DEPTH	3415	3416		

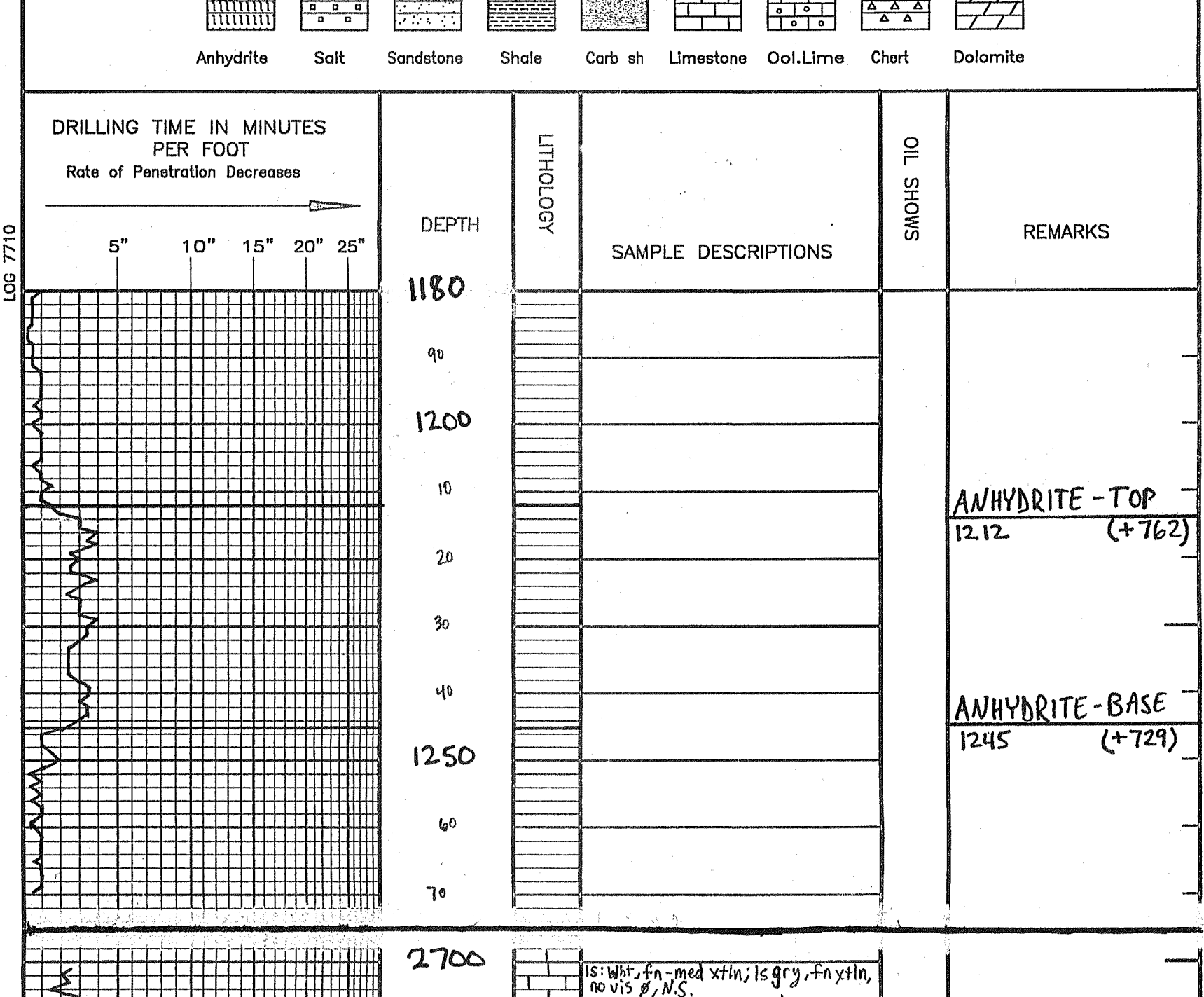
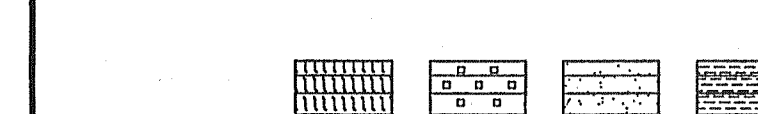
REFERENCE WELL FOR STRUCTURE: CITIERS SEAKRUE OIL CO., HOUSTON B# 2 (GOC - CHESENEY UNIT # 102), 330' N & 330' W of Center, Sec. 12-18S-R17W, R00K5E

DRILL STEM TESTS

No.	Interval	FP/Time	SP/Time	FP/Time	SP/Time	HT/Time	REMARKS
1	2817 - 2860 (30")	15#	30"	1280#	97°F	1281#	10' MUD
2	2942 - 3064 (122")	29#	60"	1364#	100°F	1365#	70' MUD w/H OIL Spots
3	3044 - 3128 (84")	15#	30"	1404#	103°F	1405#	5' MUD w/H OIL Spots
4	3122 - 3186 (64")	14#	30"	1484#	100°F	1485#	63' OMCW (10% O, 15% M, 75% W)
5	3219 - 3252 (33")	27#	60"	1514#	102°F	1515#	20' FO (5% O, 40% M, 55% W)
6	3249 - 3326 (77")	14#	60"	1523#	101°F	1524#	15' OCM (5% O, 95% M)

NO.	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	PIPE STRAP: @ 2880' - 2.89 Lbl/ft @ 267' - 1" @ 1023' - 1/2" @ 204' - 1/2" @ 2860' - 1/2" @ 3415' - 3/4"
1	1 1/2"	JZ		2 1/4"	267'	2 1/2	
2	7 7/8"	JZ		3 1/2"	3148'	7 1/2	

LEGEND



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
1180 - 1250	ANHYDRITE			ANHYDRITE - TOP 1212 (+762) ANHYDRITE - BASE 1245 (+729)
2700 - 2818	TOPEKA	Is: wht, fn, med xtn; ls grey, fn xtn, no vis β, N.S. Sh: grey, dk grey, some red Is: tan, brown, fn xtn, no vis β, N.S. Is: lt-dk grey, fn-med xtn, sli foss, sh grey-red Is: lt-dk grey, fn-med xtn, N.S. Is: AA Is: lt-dk grey, fn xtn, dense, N.S. Is: lt-dk grey, fn-med xtn, sli foss, N.S. Is: AA Sh: grey Is: AA Is: grey-brn, fn-med xtn Sh: red-brn Is: grey, fn xtn Is: tan-brn, med xtn, sli foss, shaly in part, N.S. Is: dk grey, fn xtn w/ calc inclusions Is: tan-brn, fn-med xtn Sh: grey-blk; Sh: red Is: lt-dk grey, fn xtn, dense Sh: grey-black Is: grey, fn xtn, few pcs brown, med xtn Sh: grey Is: wht-grey, fn xtn Sh: grey, red-brown Is: wht-tan, fn xtn, ls grey, fn xtn; Sh: grey		TOPEKA 2818 (-844) 23 Stand Short Trip Prior to DST #1 DST #1 (2817-2860) 30" IFP: 1/2" Blow ISIP: NA FSP: NA FSIP: NA Recovered: 10' MUD HSP: 1281# - 1280# FP: 9# 15# SIP: NA BHT: 97°F
2818 - 2976	HEEBNER	Is: tan-brn, fn-med xtn, mostly dense; ls: lt-dk grey, few pcs pyrite, ppt fine vuggy for fr brn stn + sat VSSFO on few pcs, fr odor, fat gas bubbles Sh: grey-blk; Sh: reddish brn Is: grey, fn xtn, dense Sh: grey, some gummy Is: tan, fn xtn; Is: dk grey, shly, sli foss Is: tan - lt grey, fn xtn, dense; Is: tan + grey, med xtn, pr β Is: tan - lt brn, fn xtn; Is: brn, ool, dense Is: lt brn-grey, fn-med xtn, foss Is: lt brn, fn xtn; Sh: grey, gummy Is: wht-off wht, fn xtn, dense Is: AA, fn-med xtn Is: AA, foss; Is: wht, dolacast, dense, no vis β Is: tan, med xtn, foss, dense; Is: grey, fn xtn; Sh: dk grey Is: tan, fn-med xtn; Is: grey, fn xtn; Is: tan-grey, large sub-rounded inclusions Is: off wht, med xtn, foss, some w/ vuggy β + gd st + sat, and SSFO + gas bubbles Is: off wht, fn xtn, foss in part; Is: grey, fn xtn, dense; Sh: red-brn Is: tan, fn xtn, dense; Is: wht-tan, ool w/ some vuggy β + intergran β, some pinpoints FO + gas bubbles Is: off wht, fn xtn, dense Sh: grey Is: tan - lt grey, fn-med xtn, sli foss; Is: dk grey, fn xtn w/ wht foss Is: tan, fn xtn w/ mica Is: AA Sh: dk grey-blk AA Sh: grey-brn, soft		HEEBNER 3035 (-1061)
2976 - 3035	TORONTO	Is: wht, fn xtn; Sh: AA Is: wht, med xtn, foss, pr β, some pcs w/ light brn stn + VSSFO Is: grey, micr xtn, dense; Is: tan - lt brn, mic - fn xtn, dense w/ brn Δ; opaque; Is: lt grey - pale green, fn xtn; Is: grey-dk grey, fn-med xtn, foss in part; Sh: lt grey, calcareous; Is: off wht - tan, fn-med xtn Pr - fr inter xtn β, patchy - fr stn + sat, sli show of light oil on break		TORONTO 3057 (-1083)
3035 - 3079	LANSING	Is: grey, fn-med xtn w/ dk grey sub-rounded sh incl. Is: off wht-tan, fn-med xtn, pr-fr inter xtn β, patchy - fr stn + sat, sli show of light oil Sh: grey, green-grey, brown Is: grey, micro xtn; Is: wht-tan, fn-med xtn, sli foss, sli vuggy β, SS Pr - fr st, VSSFO, fr odor Is: grey: wht, mic - fn xtn, dense, pr inter xtn β, pr vug β, pr st + sat VSSFO; Is: wht-tan, med xtn, foss, dense; Is: grey, shly Is: tan, med xtn w/ larger calc xtn; fr - gd int fr β, some fr st + sat, SSFO; Fr odor; Is: tan, med xtn, foss, some vug β w/ SFO on break, some pyrite + Δ included Sh: lt grey, soft, med grey + red Is: lt tan, fn-med xtn, pr β, cpl pcs faint st, NSF; Is: lt grey, fn xtn, no vis β, sli Δ Is: lt grey, fn xtn, no vis β, Δ N.S. Is: lt-med grey, fn-med xtn, dense, no vis β, chalky in part, Δ brn-blk, sh lt grey, gummy - dk grey + fr m Sh: lt grey - dk grey, brn; Is: AA Gas odor + bubbles from amp cup, w/ shoo on water and cup Is: off wht, fn xtn, dense, no vis β, N.S.; Is: grey, micr - fn xtn, dense Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red, lt grey, gummy in part Is: tan - lt brn, fn-med xtn, pellicle in part, pr β, Δ red-brn, opaque Is: tan, fn-med xtn, dense, fr - gd int xtn β in a few pcs, w/ fr - gd st + sat + SSFO Is: off wht - tan, fn-med xtn, pr - pchy β in part, few pcs, pchy st + sat, some pyrite incl. Is: tan - grey, fn xtn, pr - pchy β in part, few pcs fr st + sat; Is: dk grey, med xtn, pth, dense; sh. n.d.a black; Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		LANSING 3079 (-1105) DST #3 (3064-3128) 30"-60"-30"-60" IFP: Blow built to 5 1/4" ISIP: No RETURN FSP: Blow built to 3 1/4" FSIP: No RETURN Recovered: 5' M w/H Oil Spots HSP: 1424# - 1409# FP: 10# 12# / 11# 15# SIP: 791# - 157# BHT: 103°F
3079 - 3100	BKC	Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		BKC 3322 (-1348) DST #6 (3249-3326) 30"-60"-30"-60" IFP: Surf. Blow FSIP: No RETURN FSP: No Blow FSIP: No RETURN Recovered: 15' OCM (5% O, 95% M) HSP: 1523# - 1504# FP: 14# - 14# / 17# - 17# SIP: 422# - 356# BHT: 101°F
3100 - 3150	ARBUCKLE	Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		ARBUCKLE 3391 (-1417)
3150 - 3200	ARBUCKLE	Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		
3200 - 3250	ARBUCKLE	Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		
3250 - 3300	ARBUCKLE	Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		
3300 - 3350	ARBUCKLE	Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		
3350 - 3400	ARBUCKLE	Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		
3400 - 3415	ARBUCKLE	Is: tan - wht, Vg - fn-med xtn, pr - int xtn β, gd β in part, patchy - gd st + sat, vug in part, fr - gd SFO Sh: grey + red Is: tan, med xtn, mostly dense, pr int xtn β, w/ some SFO on β; w/ pinpoints of oil + SSFO on β; Is: grey, fn xtn, dense; Is: tan - fn xtn, pth in part, cpl pcs fr β w/ gd st + sat; Sh: grey - grn, gummy; Is: AA		

