

**ROBERT T. HOPKINS, L.G., C.P.G.**  
**709 Harold Ave.**  
**Salina, Kansas 67401**  
**cell (785) 819-2460**

November 4, 2012

Gore Oil Company  
Attention: Larry Jack  
P.O. Box 2757  
Wichita, Kansas 67201-2757

Gore Oil Co. – Stahl Trust #1, E/2 NE/4 Section 11-T9S-R18 W, Rooks County, Kansas

Larry:

Attached to this summary letter is my lithologic log for the above-captioned well. You indicated to me that Gore Oil Co. decided to plug this well.

No significant quantity of oil was recovered from any of the three DSTs. In addition, the well ran low to Stahl #1 to the northwest, in section 2-T9s-R18W (tops corrected to the Nabors open-hole log).

Only one “good” oil show was encountered in drill cuttings from this well, in the top of the Arbuckle Dolomite, from 3523-3530 ft. Note that the open-hole log was consistently 3 ft deeper than the Geolograph in the lowermost part of the boring.

Slight oil shows were observed in well cuttings as follows (corrected-to log depths):

LKC “A” zone – 3247-3250’ (this was covered by DST #1)

LKC “C” zone – 3284-3287’ (this was covered by DST #1)

LKC “D” zone – 3302-3304’ (this was covered by DST #2)

LKC “E” zone – 3323-3325’ (this was covered by DST #2)

LKC “F” zone – 3332-3335’ (this was covered by DST #2)

LKC “G” zone – 3342-3344’ (this was covered by DST #3)

LKC “I” zone – 3408-3410’ (this was covered by DST #4)

LKC “J” zone – 3424-3426’ (this was covered by DST #4)

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LKC “J” zone – 3424-3426’ (this was covered by DST #4)

LKC "K" zone – 3440-3443' (this was covered by DST #5)

Conglomerate – 3518-3520' (this was covered by DST #6)

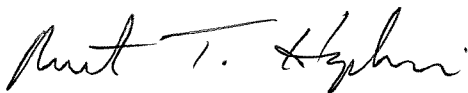
Any other shows noted on my Lithologic Log were not significant.

**LOG TOP COMPARISON (to Stahl #1 = 2064' kb):**

<u>Formation</u>	<u>#1 Stahl Trust log tops</u>	<u>compared to Stahl #1 log tops</u>	
Anhydrite	1396(+674)	+14	(+660)
Topeka Ls.	2993(-923)	-5	(-918)
Heebner Sh.	3206(-1136)	-8	(-1128)
Top LKC	3247(-1177)	-5	(-1172)
Base KC	3466(-1396)	-4	(-1392)
Arbuckle	3523(-1453)	-2	(-1451)

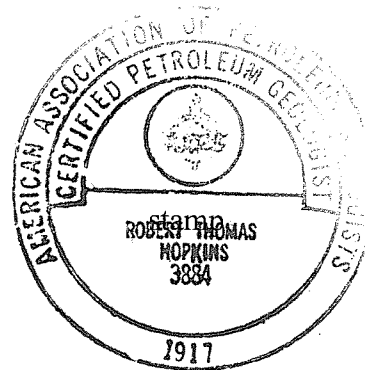
If you have any questions, please call me at 785-819-2460. Thank you for this opportunity to serve you!

Sincerely,



Robert T. Hopkins, L.G., C. P. G.

attachments



# LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator Gore Oil Co.

Location E 1/2 NE 14 11-9S-18W

Lease/Well STAHL TRUST #1

County ROOKS State KS

scale 1" = 20'

GL 2062 KB 2070 \* (measure from \*)

depth this sheet - from 2900 to 3080

page 1 of 4

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, shows, mud properties)
1	2	3	4	5	6	7	8				
								2900		bf. fuxlw tite lst, (MAVERICK R16 #108) n.s. (start on loc 10/30/2012) sl. fossiliferous (vis 50+ wt. 8.9) gry sh. Anhydrite 1399(+671)	
										bf-gry fn-med xlw foss. lst, tite, n.s. gry sh.	
								50		limy	
										bf-gry fuxlw foss. lst., tite, n.s. gry sh.	
										Topoka 2994(-924)	
								3000		bf fuxlw tite lst, n.s. (no fluorescence)	
										bf, tan, gry fuxlw lst, sl. foss, n.s., tite dk gry sh.	
								50		bf-gry fn-med xlw lst, sl. foss., tite, n.s. (vis 50, wt 8.9)	
										bf fuxlw. lst, chalky, g. φ, n.s.	
								20			

# LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator Gore Oil Co.  
 Lease / Well STAHL TRUST #1  
 GL KB 2070 (measure from \*)

Location E 1/2 NE 1/4 11-95-18W  
 County Rooks State KS  
 depth this sheet - from 3080 to 3260  
 scale 1" = 20'  
 page 2 of 4

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, shows, mud properties)
1	2	3	4	5	6	7	8				
								80			bf-gry fuxls foss. lst, tite, n.s. gry sh - sdy sh; limy (vis 51; wt. 8.7)
								3100			bf, brn, gry. fuxls foss. lst, tite, n.s. bf-brn tite lst, n.s. gry sh. gry fuxls foss. lst, tite, n.s.
								50			blk sh. bf fuxls lst, sl. phi, trc. brn. str., (cherty) no free oil or fluorescence bf-brn cherty lst; tite, n.s.; pyritic gry fuxls tite foss lst, n.s.
								3200			bf fuxls chalky lst, sl. pinpt. phi, trc. oil str., v. pr. fluorescence gry. fn-medxln tite lst, foss., n.s. Heebner Sh. 3207 (-1137)
											-blk sh., pyritic (vis 54; wt. 9.0) gry sh - sdy sh.
											bf fn-medxln tite lst, n.s., except trc. brn str. Toronto 3229' gry tite lst, n.s. lt. to dk gry sh. LKC 3243(-1178)
								50			bf fuxls tite lst, trc. pinpoint phi, trc. free oil, v. pr. str., pr. fluorescence

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# LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator GORE Oil Co.  
 Lease / Well STAHL TRUST #1  
 GL KB 2070 (measure from \*)

Location E 1/2 NE 1/4 11-95-18W  
 County Rooks State KS scale 1" = 20'  
 depth this sheet - from 3260 to 3440 page 3 of 4

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, shows, mud properties)
1	2	3	4	5	6	7	8				
								60			bf. fuxln tite lst., n.s. (vis 53; wt. 9.1) cherty
								DST #1			gry sh - dk gry sh.
								CFS @ 3292			bf fuxln lst, sl. pinpoint $\phi$ , fair free oil, pr. str., tite lst., n.s. <u>good odor</u> trc. br. fluorescence
								3300			dk gry sh.
								DST #2			bf fuxln lst, sl. pinpoint $\phi$ , scatt. str., trc free oil, no fluor. gry cherty lst; tite, n.s. blk. sh.
								CFS @ 3338			REC: 97' 06CM + 20' HOGCM SIP: 773-753 # FP: 45-68 #, 69-83 # STRAP 1.79' low
								DST #3			bf fuxln foss. lst. sl. $\phi$ , trc free oil, pr. str., sl. odor, pr. fluorescence gry tite lst., n.s. (vis 54, wt. 9.8)
								50			gry foss. lst., sl. $\phi$ , some free oil, v. pr. str., v. sl. odor (v. cherty) tite lst., n.s.
								CFS @ 3360 (near bit)			REC: 136' MW, 15' MW w/oil spots; 124' MW w/oil spots SIP: 786-743 # FP: 35-117 #, 127-187 # (vis 53; wt 9.3)
								DST #4			bf w-med xln lst. sl. vuggy $\phi$ , trc free oil, sl. str., sl. odor, pr. fluorescence bf-gry fuxln tite lst., n.s.
								3400			dk gry limy sh.
								DST #5			bf-gry fuxln cherty lst, sl. $\phi$ , n.s. tite lst., as above, n.s.
								CFS @ 3430			REC: 1' mud SIP: 29-25 # FP: 22-23 #; 22-23 # (vis. 50, wt. 9.7)
								DST #6			bf fuxln foss. lst., sl. $\phi$ , n.s.
								3410			dk gry - blk sh. pyritic bf tite fuxln lst., cherty, n.s. bf fuxln lst., v. sl. pinpoint $\phi$ , some str., no free oil sl. odor, v. pr. fluorescence, dk gry sh.
								DST #7			bf fuxln cherty lst, trc vuggy $\phi$ good str., no free oil v. sl. odor, pr. fluor
								CFS @ 3430			DST #4: 3380-3430 30-45-30-45 REC: 73' MUD SIP: 905-899 # FP: 41-62 #; 62-70 #
								40			tite lst., n.s. blk sh.; gry sh below bf fuxln lst., sl. $\phi$ , good free oil, some str., sl. odor

# LITHOLOGIC LOG

ROBERT HOPKINS-consulting geologist

Operator GORE OIL Co.  
 Lease / Well STAHL TRUST #1  
 GL KB 2070 (measure from \*)

Location E 1/4 NE 1/4 11-9s-18W  
 County Rooks State KS scale 1" = 20'  
 depth this sheet - from 3440 to 3580 RTD page 4 of 4

DRILLING TIME (min/ft)								DEPTH	tops shows	lith graph	DESCRIPTION (lithology, shows, mud properties)
1	2	3	4	5	6	7	8				
								40			bf f-x med xls fite lst, sl. cherty, foss, n.s. (vis 57; wt. 9.2)
								50			dk gry f-x xls foss lst, fite n.s.; pyritic BKC 3470(-1400)
								DST #5			blk sh; pyritic
								3471			wh-gry f-x xls fite lst, n.s.; sl. oolitic
								CFS 3471			bf-brn fite lst, n.s.
											dk gry sh.
											gry sh.
											wh fite lst, n.s.
											red to gry sh.
								3500			
								DST #6			wh sst, even str, trc free oil, no odor, dull fluor, no acid cut
											Conglomerate 3518' Arbuckle 3520(-1450)
											wh dolomite, good free oil, gd. blk str, sl. odor, even fluor, good acid cut
								CFS 3530			wh dolomite, poor $\phi$ , n.s. (fite); cherty
								CFS 3535			bf f-x xls dolomite, fair $\phi$ , n.s.;
								CFS 3540			
								50			wh-bf succrosic dolomite, w/ vuggy + fracture $\phi$ , n.s. (sl. oolitic) pyritic
											- trc dead oil str.
											wh coarse, succrosic dolomite, exc $\phi$ , n.s.
								3580			
								RTD			
											@TD run Nabors log suite;
											log consistently 3' deeper in lowermost 150'