WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

15-163-00754

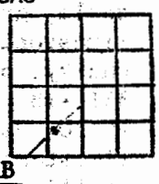
Company- MURFIN & OSAGE OIL & GAS
Farm- Dougherty "B" No. 1

SEC. 18 T. 9 R. 16W
NW SE SW

Total Depth. 3455'
Comm. 4-1-58 Comp. 4-18-58
Shot or Treated.
Contractor. Murfin Drlg.
Issued. 7-12-58

CASING:
8" 184'

County Rooks
KANSAS



Elevation. 2012' KB

Production. Dry

Figures Indicate Bottom of Formations.

All meas. from top of KB.
DRILLERS LOG NOT AVAILABLE
Drillers log 0-2800, sample log 2800 to TD

0-55	post rock & shale
55-70	shale & sand
70-140	probably shale, skippied on DL
140-184	shale & shells
184-720	shale
720-835	shale & shells
835-960	sand
960-1239	red bed & shells
1239-74	anhydrite
1274-1595	shale & shells
1595-1735	salt & shale
1735-45	shale & shells
1745-2070	shale & limestone
2070-2515	limestone & shale
2575-2800	shale & limestone
2800-08	shale, gray & gray-green
2808-20	limestone, tan to gray, finely crystalline, fossiliferous; streak gray shale 2814-17
2820-28	shale, gray
2828-31	limestone, tan, dense
2831-50	shale, gray, silty; much crystalline pyrite; some fine tight sand
2850-61	limestone, light gray to cream, subcrystalline, fossiliferous
2861-81	shale, gray, silty, micaceous; stringers fine gray-green shaly sand
2881-88	limestone, tan to gray, finely crystalline to subcrystalline, fossiliferous
2888-2892	limestone, finely sucrose, cream, oolitic; a few oolicasts; chert, white, oolitic
2892-94	shale, gray to brown
2894-2904	limestone, blue-gray, dense
2904-07	shale, dark gray
2907-09	limestone, gray, subcrystalline/ spotted fine vugular porosity
2909-12	shale, as above
2912-45	limestone, tan, subcrystalline to dense; few streaks dark gray shale
2945-58	limestone, tan to gray, finely crystalline, fossiliferous, calcitic; spotted vugular porosity chert, white, opaque
2958-68	limestone, tan to brown, dense fossiliferous, shaly
2968-78	limestone, as above, calcitic; spotted vugular porosity
2978-97	mostly shale, gray to brown-black; streaks limestone, as above
2997-3012	limestone, cream, subcrystalline
3013-23	limestone, cream to light gray, subcrystalline, streaks very fine honeycomb porosity 3012-16, 3018-20 and 3022-23.
3023-29	shale, dark gray
3029-35	limestone, tan to gray, subcrystalline
3035-39	shale, dark gray
3039-43	limestone, tan to brown, dense, shaly
3043-50	limestone, cream to white, finely sucrose; spotted fine vugular porosity
3050-65	limestone, cream to white, subcrystalline, some chalky; trace cream, semi-translucent vitreous chert
3065-72	limestone, cream, subcrystalline fair vugular porosity 3065-67 and 3070-72
3072-86	limestone, cream to tan, subcrystalline, fossiliferous, shaly
3086-3100	limestone, cream to gray, subcrystalline, to dense; chert, white, vitreous, figured
3100-03	shale, brown-black, soft, carbonaceous
3103-07	limestone blue-gray subcrystalline
3107-20	shale, dark gray to brown
3120-32	limestone, cream, white & greenish white, subcrystalline chalky; chert, white & brown mottled
3132-41	shale, gray-green, finely micaceous, silty
3141-45	limestone, cream, subcrystalline oolitic & fossiliferous; fair spotted vugular porosity 3143-45
3145-75	much gray-green to brown shale; limestone, cream to tan, subcrystalline to dense; trace porosity 3162-67
3175-90	limestone, cream to buff, subcrystalline, fossiliferous; some buff, finely crystalline dolomitic limestone
3190-3214	limestone, tan to cream, finely sucrose, crypto-oolitic; some inter-oolitic porosity 3190-92, 3197-3200 & 3210-12, streaks brown shale 3192-96 & 3202-06
3214-21	mostly shale, gray to brown
3221-25	limestone, gray to tan, subcrystalline, very fossiliferous
3225-40	limestone, tan, very finely sucrose to dense, dolomitic; some tan chert, streaks dark gray, soft shale
3240-48	limestone, light gray, sucrose very oolitic; good oolicastic porosity
3248-3294	limestone, cream to blue-gray to tan, subcrystalline to dense; chert, flesh gray, opaque rocks

(OVER)

gray-black shale
3294-99 shale, gray to brown
3299-3303 limestone, as above; some thin porous streaks; chert, as above
3303-06 limestone, as above
3306-09 limestone, buff, subcrystalline; spotted fair oolicastic porosity, poor permeability
3309-16 limestone, tan to buff, subcrystalline, chalky
3316-18 shale, gray-brown
3318-23 limestone, cream, subcrystalline chalky, poor oolicastic porosity 3316-18 & 3322-23
3323-24 shale, as above
3324-30 limestone, cream to gray, subcrystalline; chert, gray, opaque to semi-translucent
3330-32 limestone, tan to gray, very finely sucrose dolomitic; very poor porosity
3332-64 limestone, cream to tan, subcrystalline to dense; streaks brown-black to gray-green shale
3364-73 shale, gray to gray-green
3373-88 limestone, gray, earthy, fossiliferous; limestone, cream to buff, dolomitic, grading into cream sucrose dolomite
3388-99 shale, gray, muddy; trace fine gray-green shaly sand
3399-3409 limestone, cream to brown, subcrystalline to finely sucrose, dolomitic & calcitic, fossiliferous; some tan to cream vitreous chert
3409-15 shale gray to green, some silty
3415-20 limestone, cream to pink mottled to buff, finely sucrose; trace tan semi-translucent chert
3420-22 shale, green
3422-3432 limestone, as above; some brown, resinous, very fossiliferous limestone; streak green shale 3428-30
3432-34 shale, gray-green
3434-40 limestone, buff to red & white mottled, subcrystalline; some gray, subcrystalline sandy, dolomitic limestone; much vitreous chert
3440-42 shale, green
3442-50 dolomite, red, cream & gray, sucrose; dolomite, gray subcrystalline to finely crystalline rhombohedral; thin streaks fair vugular porosity; much tan to white subvitreous chert
3450-51 dolomite, cream, crystalline
3451-54 dolomite, cream, crystalline to coarsely crystalline, rhombohedral, some sandy; very good vugular porosity
3454-55 dolomite; tan to brown coarsely crystalline, non porous
Total Depth 3455'

2907-09 spotted light stain, no free oil
2945-58 no show
2968-78 no show
3013-23 trace of free oil, no odor
3029-35 electric log shows some porosity no porosity detected in samples.
3043-50 slight show free oil, trace odor; spotted light staining; DST #1
3065-72 fair to good show free oil, fair odor, good stain; DST #1
3141-45 trace free oil, fair light stain
3145-75 no show
3190-3214 fair shows free oil, fair odor; DST #2
3240-48 good odor, very good show free oil, The electric log shows only a thin streak of porosity at the top of this zone but it appeers to be uniformly porous in the samples; DST #3
3299-3303 spotted staining
3306-09 very slight show free oil, trace odor
3318-23 trace free oil, no odor
3330-32 spotted fair light stain, no free oil.
3442-50 spotted good show dark free oil, no odor, DST #4
3451-54 very good show dark free oil, no odor; DST #5

Ran electric log 4-7-58

TOPS:

Stone Corral	1239 (Electric Log Top)
Topeka	2881
Heebner	3100
Leavenworth	3103
Snyderville	3107
Toronto	3120
Douglas	3132
Lansing	3141
Base Kansas City	3364
Marmaton	3364
Arbuckle	3442