GOULD'S LOGGING

DIVISION OF ANALYTICAL LOGGING, INC.

Automatic Gas Evaluation — Complete Well Logging

P.O. Box 10 — Pratt, KS 67214

G02642 — Permit # 30039 — 7 5/8"

MUD LOG — DRILLING TIME AND SAMPLE LOG

CONFIDENTIAL

OPERATOR Jennings Drilling Co

LEASE Gatschet — WELL NO 1

FIELD Wildcat

LOCATION NW SE NE 1661' FNL & 960.5' FEL

SEC 16 — TWSP 54 N — RNG 36 W

COUNTY Platte — STATE Mo

CONTRACTOR Elmo [illegible] Drilling Rig #2

COMM 1-20-83 — COMP [illegible]

RTD 1555 — LOG TO [illegible]

SAMPLES SAVED FROM 400 TO TD

DRILLING TIME KEPT FROM 400 TO TD

SAMPLES EXAMINED FROM 400 TO TD

GEOLOGICAL SUPERVISION FROM 400 TO TD

MUD UP [illegible] — TYPE MUD Chemical

WELL SITE GEOLOGIST M. Dubois, Roger J. Benson

ELEVATIONS: KB 900' — DF 898 — GL 895

MEASUREMENTS ARE ALL FROM KB

CASING RECORD: SURFACE 7" @ 140'

PRODUCTION

ELECTRICAL SURVEYS: Great Guns, Radiation Guard

FORMATION	LOG TOP	LOG DATUM	SAMPLE TOP	SAMPLE DATUM	STRUCT COMP
[illegible]			[illegible]		
B/Kansas City	471	(+429)	476	+424	
Cherokee	702	(+198)	708	+192	+37
[illegible]	[illegible]		[illegible]		+30
U. McLouth SS	1235	-335	[illegible]		
L. McLouth & Burgess	1272	(-372)	[illegible]		
Mississippi	1315	(-415)	1319	-419	4
[illegible]	1352	-452	1355	-455	12
[illegible]	1380	(-480)	[illegible]		-14
[illegible]	1517	(-617)	[illegible]		

REFERENCE WELL FOR STRUCTURAL COMPARISON: [illegible]

RECEIVED JAN 27 1983 — MO. OIL & GAS COUNCIL

DATE	DEPTH	NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
20	Spud							
21	148	1	[illegible]	Sec	S4	590'		
22	600'	2	[illegible]	HTC	OSC 13	1325		
23	1400'	3	[illegible]	HTC	J-33	1555		

FORMATION | INTERVAL | DESCRIPTION OF SHOW | LOG # | ANALYSIS

REMARKS & RECOMMENDATIONS

DRILL STEM TESTS: NO. | INTERVAL | [illegible]

LEGEND: Limestone, Dolomitic Limestone, Dolomite, Chert, Shale, Carbonaceous Shale, Salt, Sandstone, Anhydrite

DRILLING TIME — LITHOLOGIC DESCRIPTION — REMARKS

LITHOLOGIC DESCRIPTION	REMARKS
LS, TN GY FXLN, DNS, HD	
SH, DK GY	
LS, CRM, LT GY, FXLN, DNS, HD	
SH, BLK, FISS	
LS, CRM, LT GY, FXLN, DNS, HD, CHERTY IP	
SH, BLK, FISS.	
LS, CRM, LT GY FXLN, DNS HD.	
SH, BLK, FISS	B/Kansas City 476 (+424)
SH, GY, FIRM, SILTY.	
SH, AA	
SH, AA	
SH, LT GY SILTY MICA	
SH, M GY SOFT, CLAY	
SH, AA	
SH, DK GY, BLK, COAL	
LS, TN, BRN, FXLN, DNS, HD, SH, M DK GY FIRM	
SH, GY, Red, DENS, Soft	
SH, BRN-GY, GY, Soft, Clay	
SH, M GY, SILTY	
SH, AA, LS, LT GY, FXLN, DNS	
SH, GRN-GY, GY, BLK	
SH, GRN-GY GY Silty	
SH, AA	
SH, BLK, DK GY	
LS, TN, GY, FXLN, DNS, HD, SH, BLK, FISS	
LS, GY, TN, FXLN, DNS, HD, SANDY IP	
SH, DKGY.	
LS, TN XLN DNS, MHD.	
SH, DK GY, BLK	
SH, DK GY, BLK	Cherokee 708 (+192)
SH, M GY, SILTY, MICA	
SH, GY GRN SILTY MICA	
SH, DK GY BRN GY	
SH, AA	
SH, AA	
SH, Multi Colored	
SH, M GY SILTY, FIRM	
SH, LT GY/DK GY Specks MICA, SILTY	
LS, TN FXLN DNS HD ARGIL	
SH, DK GY, BLK	
SH, GY, GRN, LT GY Silty CLAY	
SH, BLK, DK GY,	
LS, GY, TN, MOTT, FXLN, HD FRAC, ARGIL	
SH, DK GY, BLK FISS	
SH, GY, GRN, YELLOW	
SH, DK GY, BLK	
SH, GY, TN, SILTY	
SS, WHT, CLR, VFG Subrd, UNCONSOL. NS	Mud DATA 1-22-83 906 WT 9.0 VIS 32 YP 4 PH 10.5 WL 15 CK 2/32 [illegible] 5%
SH, BLK FISS	
SH, GY, GRN, Silty, Sdy	
SH, LT gy Silty, Sdy	
SH, GY, SILTY	Mud wt 9 VIS 32
SH, AA	
SH, M DK GY BLKY	
SH, DK GY, BLK	
LS, BRN, FXLN, DNS, HD	
SH, GY, Sdy, Silty, Clay	
SS, WHT, GY, mgr, Sdy, tightly cemented	
SS, GY, TN, Silty, Shy	
SH, GY, Silty, sdy, mica, some blk coal	
SS, AA	
SH, & Sand-Stringer AA	L. Bartlesville SS 1048 (-148)
SS, TN, Cg, subrd, tc gy, cemt. Tightly, qtz NS	
SS, clr cg, subrd, unconsolidated qtz, gns	
SS, AA, cemented w/ blue-grn clay NS	
SS, AA, cemented w/ Red clay NS	Mud wt 9.1 Vis 32
SS, AA	
SH, gy firm	
SS, cg, subrd, w/ sltd (friable) loose clear qtz gns tS	Mud wt 9.1 Vis 32
SS, AA	
SS, AA	Mud wt [illegible] Vis 32
SS, AA	
SH, dk gy, carb mat, tr. pyrite	
SH, blk carb. mat pyritic	
SH, [illegible] gy	
SH, dk gy	
SS, mg, wht, rnd, w sltd, gd. inter-grain Ø NS	
SH, mostly dk gy & blk, pyritic, carb. mat. Some lt gy & tn. sl	U. McLouth SS 1237 (-337)
SS, fg, wt, subrd w. sltd, gd intergran Ø NS	
	Mud wt 9.0 Vis 33
Dol, Silty, [illegible]	
SH, gy, carb mat.	
SS, wt, fg, w. sltd, gd intergran Ø NS, highly cemented, cal.	L. McLouth & Burgess 1275 (-375)
SS, mg [illegible] cg, mostly [illegible] sltd subrd [illegible], few gas bubbles in cemt. pt. No gas kick	
SH, gy	
SS, wt, lightly cemented	
LS, [illegible], [illegible], dns, hd	Mississippi (St. Louis) 1319 (-419) Bit Trip #3 CFS 15 min
LS, AA	
LS, gy, [illegible], dns	Mud wt 9.0 Vis 33
Dol, [illegible] gy, Silty [illegible]	
Dol, tn, [illegible], pr vuggy Ø NS	
Sh, grn gy, dol	
LS, mg, rnd foss gns, pr inter gran Ø, poss. gas kick, all chty (wh, blu)	Mud wt 9.1 Vis 32
LS, AA	
LS, lt tn, fxln, sl foss, dns, all chty	
LS, tn, mg rnd foss gns, [illegible] chty (wh)	
LS, crm, fxln, dns	
LS, tn, mg, rnd foss gns, more cht, tight	Mud DATA 1-23-83 1405 VIS 31 YP 2 PH 9.5 WL 10 CK 2/32 Gel 6%
LS, AA	
LS, AA	
LS, AA	
	Mud wt 9.2 Vis 33
Dol, lt tan, fxln sucrosic, sli chty (wh)	
Dol, AA pr-fr interxln Ø & vuggy Ø NS	
Dol, AA, fr-gd interxln Ø & vuggy Ø, more cht (wh-gy) NS	Mud wt 9.2 Vis 40
1555' RTD 1-23-83	