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OIL & GAS COUNCIL

DRILLING TIME AND SAMPLE LOG

COMPANY Davis Oil Co.
LEASE Mellstock No. 1
FIELD
LOCATION 1817' FSL & 1824' FEL
SECTION 33 TOWNSHIP 47N RANGE 30W
COUNTY Jackson STATE Missouri

ELEVATIONS
KB 1018 FEET
DF FEET
GL 1015 FEET
MEASUREMENTS ARE ALL FROM GL

CASING

CONTRACTOR Frank Young Drlg RIG NO
COMMENCED DRILLING 19 Dec 1980
COMPLETED DRILLING 20 Dec 1980
RTD 290 FEET PBTD FEET
MUD UP AT FEET MUD TYPE

ELECTRICAL SURVEYS

SAMPLES SAVED FROM — FEET TO — FEET
DRILLING TIME KEPT FROM — FEET TO — FEET
SAMPLES EXAMINED FROM 10 FEET TO 290 FEET
GEOLOGICAL SUPERVISION FROM 0 FEET TO 290 FEET
GEOLOGIST Jack Wells

DRILL STEM TESTING BY
GAS DETECTOR

REMARKS

LEGEND

Anhydrite, Salt, Sandstone, Shale, Carb. Sh., Limestone, Ool. Lime, Chert, Dolomite

SCALE: "= 100'

DRILLING TIME – In Minutes Per Foot (Rate of Penetration Decreases →) 5 10 15 20 25	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
			Limestone: bea. med. lte.		
			LS. tan, fa sla-dense.		
			Shale: blk., smudy, firm		
			shale: grn & LS. brn to grn. fa & gerdy		
Base Known Oil Sd	50		LS. AA. trace then: ~~Shale: med. grnish gry.~~ v/silty.		
			Shale: med. grnish gry. firm, v/silty		
			do.		
			do. - do. sdy.		
			Shale: med. grnish gry - silty		
	100		do		
			Shale: gry. - firm slv. silty		
			do.		
			Shale: lt gry. blk. - tr Coal - v/l white soft Underclay.		
			Abn SS @ 133' white v/fa fa	No Sho.	
			Sandstone: white, fa, clean fa Sz & Carb specks.		
	150		do: grading to Siltstone lt grn sdy becoming sh grn		
			do. slv silty Red slv. 169-172'		
			Shale: grn. & 23 grn v/fa to fa. sdy. silty slv		
			Shale: Red & grn.		
			Siltstone: lt. grn. sdy.		
			do		
	200		do		
			do grading to SS. grnish grn. sdy silty, slv	No Sho.	
Base Pleasanton Gr			Shale: gry. silty, mic.		
			Shale AA.		
			do Siderite layer @ 233'		
			Sh: gry, v/silty. carb, mic.		
	250		Sh AA w/consid. Siderite	fr grn SS.	Driller log SS @ 248'
			250-256.7 Shale		
			256.7-257.2 Coal	trc Gas	
			257.2-260 Shale		
			260-261.5 SS	oil stnd	
			261.5-264.5 Sh w/SS Stk.		
			264.5-265.5 SS w/Play Cave		
			265.5-269.5 Sh w/SS Cave		
			269.5-270.5 SS	oil and salt and	bleeding blk oil
			270.5-277.0 Chert		
			277.0-277.2 Underclay		
			277.2-280.0 Limestone		
			280-281 Underclay, soft Sticky		Note! Tool dropped in Limestone @ 281'
			281-288 Lost Core Presumed to be Sh.		Driller reamed core slot to 281 then spotted on down for RTD of 290'
			RTD 290'		
	300				