

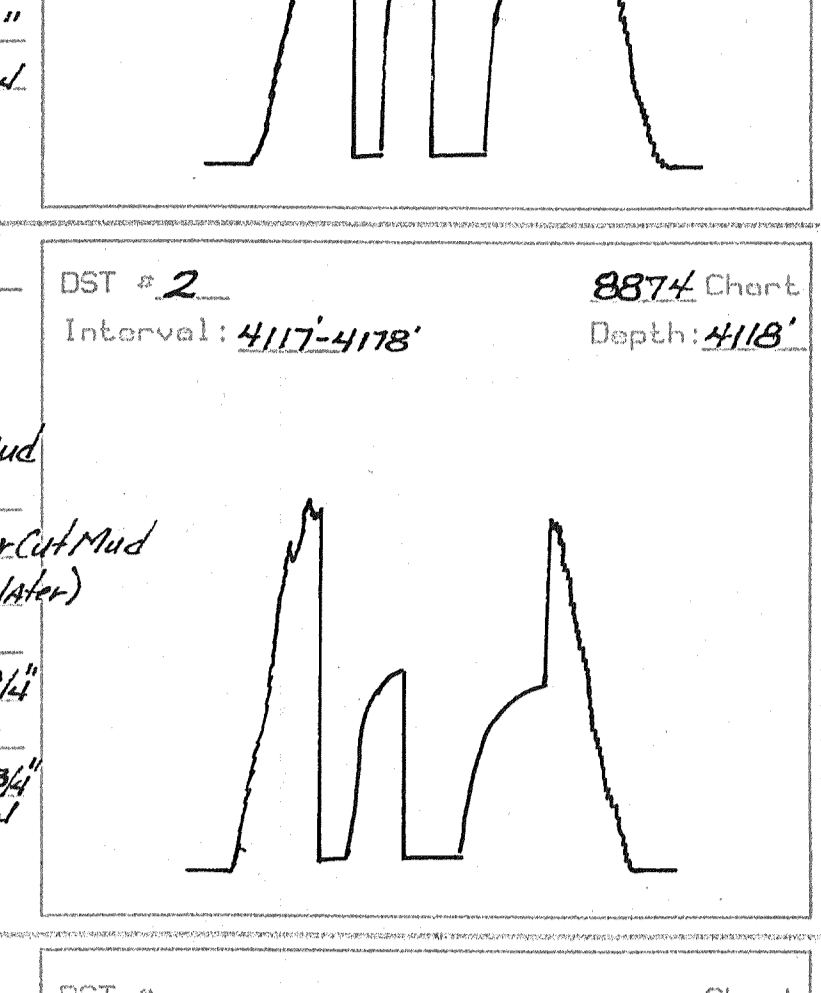
DRILLING TIME AND SAMPLE LOG

OPERATOR: 109 Drilling Co., Inc.	LEASE: Blackman	FIELD: Blackman	LOC: 1150 E.H. 2310	SEC: 18	TWP: 7S	RANGE: 29W	
WELL NO.: 2881	DATE: 1-18-68	COUNTY: Shelby	STATE: K.S.	API NO.: 15-179-21356-00-00	CONTRACT: 109 Drilling Co., Inc.	LOG TOTAL: 4530	LOG TOTAL CORRECTED: 4578
DRILLER: 109 Drilling Co., Inc.	LOGGERS: 109 Drilling Co., Inc.	GEOLOGIST: Robert Stolzle	LABORATORY: 3344	LAB TYPE: Chemical Polymer	LOG-UP CORRECTION: 34	LOG-DOWN CORRECTION: 0	LOG TOTAL: 4578
FORMATION: Stark	STRATIGRAPHIC UNIT: 109 Drilling Co., Inc.	WELL TYPE: Oil	WELL STATUS: Open	WELL DEPTH: 4578	WELL DIAMETER: 8 1/2"	WELL CEMENT: None	WELL LOG: 109 Drilling Co., Inc.
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DST # **1** ZONE: **Lansing A+B Zones**
Interval: **3933'-4015'**

Pressure:	Time	Press.	RECOVERY
1. Initial Hydrostatic		1878 psi	109 Drilling Mud
2. Initial Flow: Start	0	21 psi	(100% Mud)
3. Initial Flow: End	30	52 psi	
4. Initial Shut-in: End	60	1233 psi	Blow Desc.
5. Final Flow: Start	0	47 psi	I.E. - 1" - 4"
6. Final Flow: End	60	70 psi	I.E. - No blow
7. Final Shut-in: End	90	1221 psi	F.E. - surf - 4"
8. Final Hydrostatic		1873 psi	F.E. - No blow

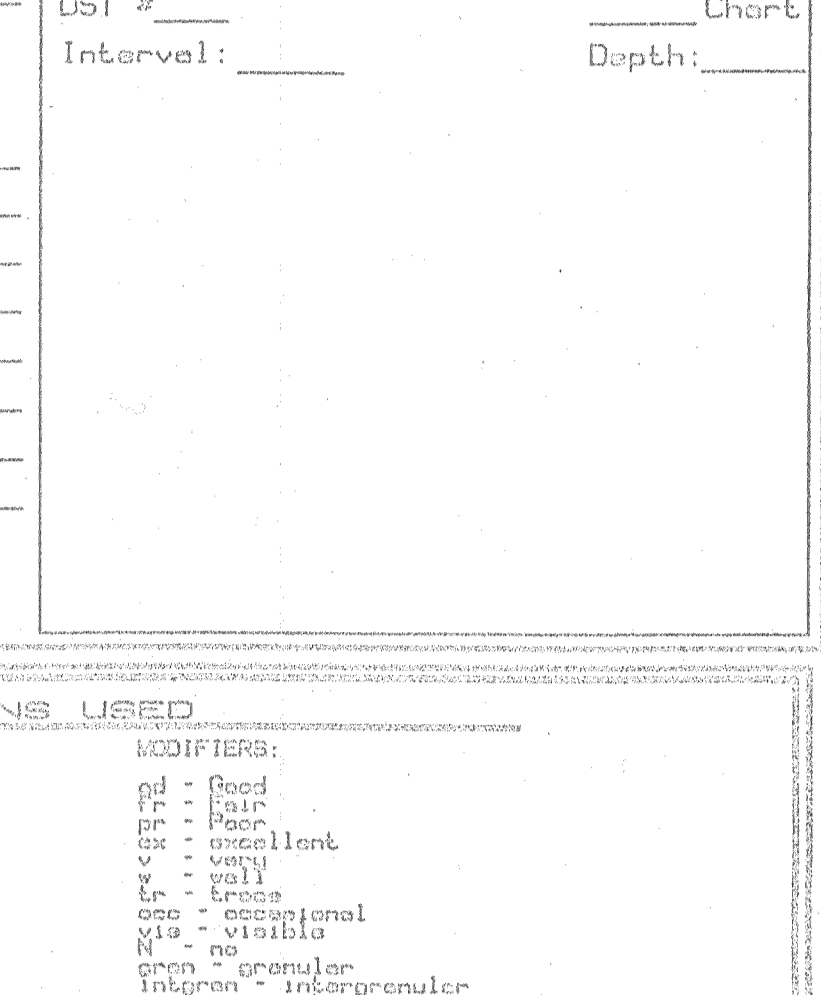
BIT: **11 1/2"**
Re: _____
Deviation **3 1/4"**, strap **1.08'** long



DST # **2** ZONE: **LKC 'H', 'I', 'K' Zones**
Interval: **4117'-4178'**

Pressure:	Time	Press.	RECOVERY
1. Initial Hydrostatic		1968 psi	68 Oil Cut Mud
2. Initial Flow: Start	0	51 psi	(20% oil)
3. Initial Flow: End	30	61 psi	61 Oil Cut Mud
4. Initial Shut-in: End	60	1119 psi	(15% oil, 5% water)
5. Final Flow: Start	0	63 psi	Blow Desc.
6. Final Flow: End	60	77 psi	I.E. - surf to 3 1/4"
7. Final Shut-in: End	90	1039 psi	I.E. - No blow
8. Final Hydrostatic		1937 psi	F.E. - surf to 4 3/4"

BIT: **11 1/2"**
Re: _____
Tool slid 20' to bottom



ROCK TYPES: Limestone, Sandstone, Shale, etc. ABBREVIATIONS USED: Fm. (fine), Vfg. (very fine), etc. COLOR: White, Cream, etc. HARDNESS: Soft, Moderately soft, etc. OIL SHOWS: Weak, Fair, Good, Excellent.

ROCK TYPE SYMBOLS: Sandstone, Limestone, Shale, etc. with corresponding symbols for use in the log.

