CHARLES SCHMALTZ
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HUTCHINS, KANSAS

GEOLOGIC REPORT
OF
WELL

COMPANY: MURFIN DRILLING CO.
FARM: JONES "B" #1-9
LOCATION: 710' FSL, 710' FWL, SEC. 9 T 15 S R 37 W
COUNTY: CHEYENNE
STATE: KANSAS

37 W
15
9

ELEVATION: 3153
GROUND: 3140

DRILLING COMMENCED: 10-31-80
DRILLING FINISHED: 11-10-80
DRILLING COMPLETED: 11-10-80
RIG RELEASED: 11-10-80

DRILLING TIME KEPT FROM: 3600' TO RTD
SAMPLES SAVED FROM: 3600' TO RTD
TYPE OF SAMPLES: DRY
DRILLING TIME RECORDED: 1 MIN. SAMPLES
SAMPLES EXAMINED FROM: 3600' TO RTD
CONTRACTOR: MURFIN DRILLING CO.
RIG #: 36 (DRAKE)
TYPE RIG: RTD
ROTARY TOTAL DEPTH: 4960'
LOGGED BY: CHARLES SCHMALTZ
ELECTRIC LOGS BY: HALLIBURTON
DUAL IND., COMPENSATED DENSITY, SONIC.

SURFACE CASING: 8 5/8" @ 217' W/ 150 SX CMT
PRODUCTION STRING: NONE
PERFORATIONS: NONE
STATUS: P&A'D 11-10-80

REFERENCE WELL: MURFIN DRILLING CO. JONES "A" #1-17
LOCATION: 1650' FSL, 1760' FEL, SEC. 17-15S-37W, CHEYENNE CTY., KS.

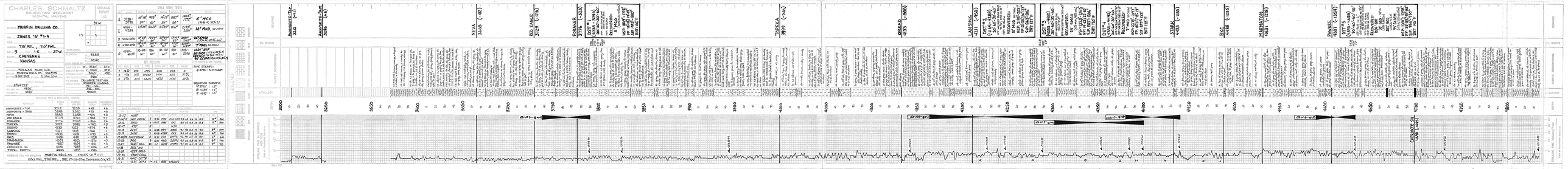
FORMATION	SAMPLE	LOG	SUB-SEA
ANHYDRITE - TOP	3215	3205	+48
ANHYDRITE - BASE	3246	3240	+13
NEVA	3645	3642	-383
RED EAGLE	3729	3726	-467
FORAKER	3774	3769	-510
TOPEKA	3999	3996	-737
OREAD	4133	4130	-871
LANSING	4211	4208	-949
BKC	4468	4465	-1206
MARMATON	4521	4518	-1259
PAWNEE	4617	4614	-1355
CHEROKEE SH	4678	4675	-1416
CHEROKEE SD	4705	4702	-1443
RTD	4960	4957	-1698
LTD		4959	-1700

DRILL STEM TESTS

NO.	INTERVAL	TIMES	BLOW	RECOVERY	PRESSURES
1	3738-3770	15"-30"-60"-90"	WEAK BLOW	6' MCO	IHP 1772 FHP 1772 IFP 60-60 ISIP 1117 FFP 60-60 FSIP 1117
2	4056-4120	15"-30"-60"-90"	WEAK BLOW	10' MUD, NO SHOW	IHP 2017 FHP 2017 IFP 60-60 ISIP 1117 FFP 60-60 FSIP 1117
3	4250-4300	15"-30"-60"-90"	1/2" BLOW	50' OCM&D	IHP 2080 FHP 2080 IFP 60-60 ISIP 1117 FFP 60-60 FSIP 1117
4	4384-4440	15"-30"-60"-90"	WEAK BLOW	7' MCO, NO SHOW	IHP 2142 FHP 2142 IFP 60-60 ISIP 1117 FFP 60-60 FSIP 1117
5	4706-4735	15"-45"-90"-90"	WEAK BLOW	60' OCM&D (10% W, 90% O) 120' SLOCM&D (10% W, 90% O)	IHP 2357 FHP 2357 IFP 60-60 ISIP 1117 FFP 60-60 FSIP 1117

BIT RECORD

NO.	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
1	12¼	HTC	J-33	218	218	3
2	7⅞	HTC	H-J44	2000	1772	37½
3	7⅞	HTC	OSC1J	4855	2491	69½

PIPE TALLY: 4960' @ 3780' = 0.13 SHORT

DEVIATION SURVEYS
@ 217' = 1.5°
@ 2000' = 1.5°
@ 4855' = 1.5°