GEOLOGICAL REPORT

Larry A. Nicholson

COMPANY: McCoy Petroleum Corporation
WELL: K33 "A" #1-3 FIELD: Rooks
LEASE: K33 "A" UNIT: WELL #: 1-3
LOCATION: 160 E SE SW NE
SURVEY: 2310' FSL 1320' FWL
SECTION: 33 BLOCK: BLOCK: BLOCK:
COUNTY: Rooks STATE: Kansas

CONTRACTOR: Mustang Drilling, Inc. RIG #: 1
SPUD: 07/30/01 3:15 am. COMP: 08/06/01 1:00 am.
TOTAL DEPTH: 3700' PBTD: 3700' ELEVATIONS: KB: 2307'
DF: 2302' GL: 2292'
MUD TYPE: Chemical - Mud Co.
CASING RECORD: Surface: 8 5/8" @ 224' w/ 150 sks. Cmt. Circ. Yes. Production: 4 1/2" @ 3700' w/ 225 sks. Cmt. TOC: 2300'

ELECTRICAL SURVEYS: Log Tech - Electric, Density, Dual Micro

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	TOPEKA 2	TOPEKA 3	TOPEKA 4	TOPEKA 5	REFERENCE WELL #1	REFERENCE WELL #2	REFERENCE WELL #3	REFERENCE WELL #4
Arbuckle	3187	-1879	3187	-1879	-1924	-1906	-1902	-1912
Topeka	2887	-580	2884	-577	-585	-561	-575	-584
Heebner	3146	-839	3146	-839	-844	-824	-837	-842
Toronto	3167	-860	3166	-859	-870	-854	-864	-872
Lansing	3306	-999	3306	-999	-1010	-1000	-1003	-1011
Stark	3577	-1270	3577	-1270	-1280	-1270	-1274	-1282
BKC	3621	-1314	3619	-1312	-1317	-1315	-1322	-1329
Arbuckle	3687	-1380	3687	-1380	-1386	-1380	-1386	-1390
ATD	3700	-1393	3700	-1393	-1393	-1393	-1398	-1402
LTD	3700	-1393	3700	-1393	-1393	-1393	-1398	-1402

REFERENCE WELLS: #1 - PETA Petroleum, Norland #1 - S-TS-1998, S2 SW NW
#2 - McCoy Petroleum, Bollenbach #1 NE-S-L, S-TS-1998, E2 NW SW

DRILL STEM TESTS

No.	Interval Tested	BHP/Time 1st Open	BHP/Time 1st Close	BHP/Time 2nd Open	BHP/Time 2nd Close	Recovery
1	3146' - 3167' (Top of Toronto)	30-60 Min. No blow	45-60 Min. No blow	30-60 Min. No blow	45-60 Min. No blow	Rec. Total 10' Drlg. Mud.
2	3577 - 3621'	30-60 Min. No blow	45-60 Min. No blow	30-60 Min. No blow	45-60 Min. No blow	Rec. Total 10' Drlg. Mud.
3	3621 - 3687' (Top of Arbuckle)	30-60 Min. No blow	45-60 Min. No blow	30-60 Min. No blow	45-60 Min. No blow	Rec. Total 10' Drlg. Mud.
4	3687 - 3700' (RTD)	30-60 Min. No blow	45-60 Min. No blow	30-60 Min. No blow	45-60 Min. No blow	Rec. Total 10' Drlg. Mud.

REMARKS & RECOMMENDATIONS:

Based on sample shows, dst results, and structural position, casing was set

NOTE: Time deviation from 7" to 4" underway at 3400' Time. The drilling time & TDR from that moment it hit a sealed frac (83%, 23%, time over-lower ended in report.

Spud 3:15 PM 07-31-2001
STD 1:00 PM 07-05-2001

NO SHOWS
Sandstone
Limestone
Dolomite
Chert
Shale
Conglomerate
Salt
Sandstone
Anhydrite

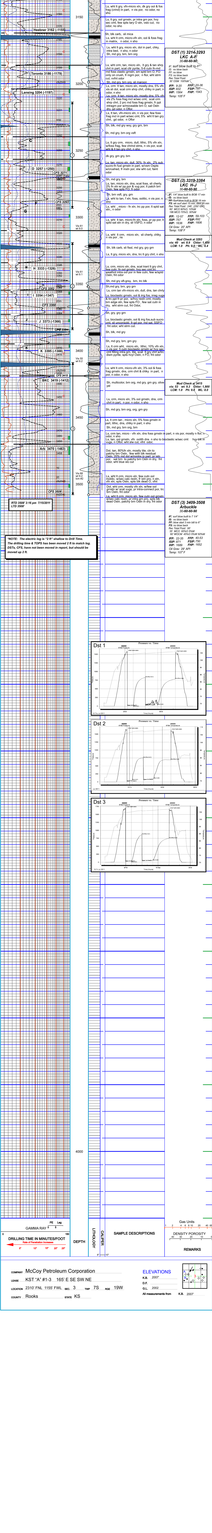
"VERTICAL SURVEYS"
1/2 @ 224'
1 @ 1400'
1 @ 3700'

"TURF DATA"
Straight Hole
Drilled to 3700' in 3 Days

LITH TYPE: Medium 0100 - Textured, PC 00000

LEGEND

Limestone, Oolitic, Dolomite, Chert, Shale, Conglomerate, Salt, Sandstone, Anhydrite



NOTE: The deviation log is "4" underway at 3400' Time. The drilling time & TDR from that moment it hit a sealed frac (83%, 23%, time over-lower ended in report, that should be ended at 4 PM.

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COUNTY: Rooks STATE: KS.

ELEVATIONS
KB: 2307'
DF: 2302'
GL: 2292'
All measurements from KB

Date Units
DENSITY POROSITY
REMARKS