GEOLOGIC REPORT LOG

API: 15-051-24,999-0000

COMPANY: Michael D. Wichert Oil Co. Hays, KS.

WELL: Nixon #1

FIELD: Trail

LOCATION: 2720 FSL & 1950 FEL

SEC. 7 TWP. 14S RGE. 18w

COUNTY: Ellis

STATE: Kansas

PRODUCTION

ELEVATION: KB 2217 DF 2212 Gdy. Bushing

Starting Elevation: 2200' Ground Level

Starting Total Depth: 3800' T.D.

Starting Formation: Arbuckle

Starting Mud Type: Chemical Gel

Operator: Michael D. Wichert Oil Co. Wichita, Kansas Drilling Contractor: Rayco Rigs

Spud Date: 10/20/12 Time: 2:30 pm

Total Depth: 3800' Time: 10:30 pm

Completion Date: 10/21/12 Time: 10:30 pm

Total Depth Log Date: 10/21/12

Logging Company: Rebers Computerized Service

FORMATION TOPS AND STRUCTURAL PROFILE

FORMATION	SAMPLE	LOG	STRUCTURE
Anhydrite	1400 (+817)	1401	+816
Base Anhydrite	1430 (+787)	1431	+786
Topeka	3135 (-918)	3136	-919
Heebner	3370 (-1153)	3371	-1154
Toronto	3390 (-1173)	3390	-1173
Lansing-Kansas City	3404 (-1187)	3405	-1188
Arbuckle	3692 (-1475)	3692	-1475

REFERENCE WELL FOR STRUCTURE: Michael D. Wichert Oil Company Mitchell #2, SE-NW-SE 7-14S-18W Sec. 7-14S-18W, Ellis County, Kansas

DAILY PENETRATION

DATE	DEPTH	BIT NO.	HRS.	FEET	BIT ACT.	FEET	HRS.
10-20-12	Spudded						
10-21-12	Logged						

TIME FR.	TO	DESCRIPTION OF WORK	HR. WORKED

DRILL STEM TESTS

No.	Interval	Drill Time	Initial Flow	Initial Shut-In	Final Flow	Final Shut-In	Recovery
1	3445'-3518'	58/40	45#/60	66#/60	48#/60	82#/60	45' Oily Mud 255' GCM
2	3536'-3575'	81/30	18#/30	80#/30	127#/30	185#/30	25' SI OCM 360' W 97% M
3	3831'-3860'	158/15	18#/30	1171#/30	18#/60	1211#/60	2145' M w/ 35% W
4	MIS-Run						45% M, 55% W 240' DM
5	3556'-3584'	91/30	17#/30	93#/30	19#/30	79#/30	1775' GCM 30' MUD 1796'
6	3830'-3878'	195/30	19#/30	49#/30	19#/30	49#/30	818' OCM 1260' MW 1887'

COMMENTS AND REFERENCES: Due to structural position and poor DST results this well was plugged and abandoned.

Thank You

Rayco Rigs

LEGEND

Limestone, Dolomite, Sandstone, Shale, Chert, Conglomerate, Gypsum, Anhydrite, Salt, Coal, Igneous, Metamorphic, Porosity, Oil Show, Gas Show, Water Show, Core Interval, Drill Stem Test

REMARKS | OIL SHOWS | SAMPLE DESCRIPTIONS | LITHOLOGY | DEPTH | DRILLING TIME IN MINUTES (Min. 0 - 10 - 20 - 30 Max.)

Anhydrite 1400 | Base Anhydrite 1430 | Topeka 3135 | Heebner 3370 | Toronto 3390 | Lansing-Kansas City 3404 | Arbuckle 3692

DST #1 3445-3518 45' Oily Mud 255' GCM

DST #2 3536-3575 25' SI OCM 360' W 97% M

DST #3 3831-3860 2145' M w/ 35% W

DST #4 MIS-Run 45% M, 55% W 240' DM

DST #5 3556-3584 1775' GCM 30' MUD 1796'

DST #6 3830-3878 818' OCM 1260' MW 1887'

DST #7 3884-3900 1' MW

DST #8 3900-3920 1' MW

DST #9 3920-3930 1' MW

DST #10 3930-3960 1' MW

DST #11 3960-3980 1' MW

DST #12 3980-3990 1' MW

DST #13 3990-4000 1' MW

DST #14 4000-4020 1' MW

DST #15 4020-4030 1' MW

DST #16 4030-4040 1' MW

DST #17 4040-4050 1' MW

DST #18 4050-4060 1' MW

DST #19 4060-4070 1' MW

DST #20 4070-4080 1' MW

DST #21 4080-4090 1' MW

DST #22 4090-4100 1' MW

DST