01-14S-22W

GEOLOGICAL REPORT

Dan A. Nixon, Petroleum Geologist - Licensed & Certified

Well Name:	#6 Younger
Location:	40' North & 120' East of E/2 W/2 W/2 Section 1, T14S-R22W Trego County, Kansas
Operator:	R.P. Nixon Oper., Inc. 207 West 12th Street Hays, KS 67601-3898
Contractor:	Shields Oil Producers P.O. Box 709 Russell, Kansas 67665
Elevation:	Central Kansas Surveying and Mapping 2344 Washington Great Bend, Kansas 67530 Rotary Bushing: 2275' Ground Level: 2270'
Samples:	Ten foot samples from 3300' to 3570' and five foot samples from 3570' to 4130' RTD.
Time Log:	One foot intervals from 3300' to 4130' RTD. A copy of the time log is included in this report.
Surface Casing:	8 5/8" @ 218' w/165 sacks
Production Casing:	5½" @ 4126' w/100 sx common +10% salt
Port Collar or DV Tool:	1701' w/400 sx 60/40 Pozmix
Spud Date:	3.22.07
Completion Date:	3.29.07
API #:	15-195-22405-00-00

#6 Younger 40' North & 120' West of E/2 W/2 W/2 of Section 1, T14S-R22W Trego County, Kansas

FORMATION TOPS:	SAMPLE DEPTH	LOG DEPTH	MINUS DATUM
Anhydrite (driller's)	1670'	1666'	+609
Anhydrite Base (driller's)	1715'	1706'	+569
Topeka	3347'	3345'	-1070
Heebner Shale	3582'	3580'	-1305
Toronto Lime	3601'	3599'	-1324
Lansing	3617'	3614'	-1339
Base of the Kansas City	3862'	3862'	-1587
Pawnee Lime	3963'	3963'	-1688
Cherokee Shale	4016'	4010'	-1735
Cherokee Sand	4042'	4044'	-1769
Conglomerate Chert	4059'	4057'	-1782
Mississippian	4090'	4057'	-1815
Gilmore City	4108'	not logged	-1833
Total Depth	4130'	4129'	-1859

SAMPLE ANALYSIS OF ZONES OF INTEREST: (corrected to the electric log)

Lansing	3616'-19'	Dense, fine crystalline, fossiliferous, buff limestone. Tight with no shows. Not worthy of testing.
	3622'-28'	Limestone as above. No shows. Not worthy of testing.
	3650'-53'	White, fine crystalline limestone, poor to fair vuggy porosity with rare to spotty dark stain. Slight show of free oil and odor in the wet samples. Log indicated permeability. Although this zone calculates wet on log, it should be considered for testing prior to abandoning well.
	3687'-89'	Fine crystalline, white limestone, rare light spotty stain, poor to fair intercrystalline porosity. Show of free oil and faint odor in the wet samples. Calculated 19-24% porosity, 43-54% water saturation on the electric log. Test this zone.
	3709'-12'	Vuggy, fine crystalline, white limestone, poor to fair vuggy porosity with rare to occasional spotty stain. Slight show of free oil and faint odor. Calculated wet on log. Not worthy of testing.
	3772'-75'	Light grey, buff, white, fine crystalline limestone, tight with only a trace of rare spotty stain. No show of free oil in the wet samples. Calculated tight and wet on the electric log. Not worthy of testing.
	3798'-3805'	Oolicastic, white limestone with good excellent oolicastic porosity. Mostly barren with occasional spotty stain and a trace of saturated stain. Show of free oil and odor in pieces with staining. Microlog indicated good permeability.

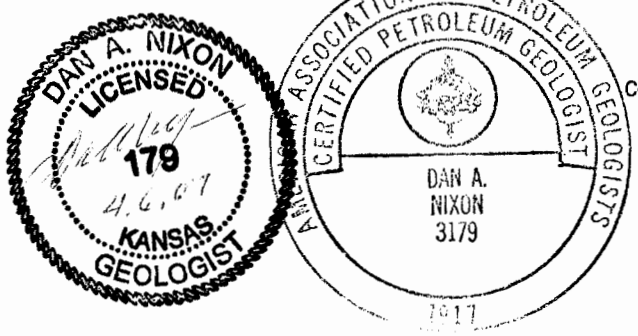
Lansing (cont.)	3798'-3805'	CPI log (Log Tech's Computer Processed Interpretation log) indicated low water saturation in this zone. Consider testing the very upper portion of this zone prior to abandoning well.
	3846'-56'	Tight, fine crystalline, white limestone with trace of rare spotty stain and dead oil stain. No shows of free oil in the wet samples. Calculated wet on the log. Not worthy of testing.
Cherokee Sand	4042'-47'	Fine grained, well-sorted, sub-rounded, frosty sand with poor to fair inter-granular porosity. Some sand was poorly sorted with a lime matrix. Spotty light stain. Had a show of free oil and odor in wet samples. Test this zone.
Conglomerate Chert	4056'-65'	White, grey, yellow, blocky, opaque chert, fair vuggy porosity. Weathered and oolitic in part with spotty stain and a trace of saturated stain. Good show of free oil and odor in the wet samples. Microlog indicated good permeability. Test this zone.
Mississippian	4090'-4108'	Blocky, opaque, white, tan, brown cherty, weathered in part, no shows. Poor, with occasional fair vuggy porosity. Not worthy of testing.
Gilmore City	4108'-4129'	Fine and medium crystalline, bone, tan, grey dolomite and dolomitic limestone. Poor intercrystalline porosity with no shows. Occasionally sucrosic. Trace of coarse crystalline, tan, tight dolomite with no shows. Not worthy of testing.

REMARKS:

Structurally, the Lansing top on the #6 Younger ran flat with the #5 Younger (R.P. Nixon Oper, Inc.) the Lansing, Cherokee Sand and Conglomerate Sand producer to the northeast about 600', and 4' high to the abandoned Conglomerate Sand producer to the northwest about 600', the #1 Younger (R.P. Nixon Oper., Inc.). The Cherokee Sand on the #6 Younger ran 21' high to the same #1 Younger to the northwest. There was no sand development in the #5 Younger to the northeast. The Conlgomerate section in the #6 Younger did not develop any sand, however it had a nice show in a vuggy chert section of the formation.

Based on its structural position to surrounding wells and shows in the Lansing, Cherokee, and Conglomerate formations, 5½" casing was cemented at 4126' with 100 sacks for further testing.

Respectfully Submitted,



Dan A. Nixon, Petroleum Geologist
Kansas License #179
AAPG Certification #3179

DRILLING TIME LOG

3300'-3325'	1-1-2-2-1	1-1-1-3-1	1-1-2-1-1	1-1-1-1-1	1-1-1-1-1
3325'-3350'	½-½-1-1-1	½-1-1-3-1	3-2-2-2-2	2-2-2-2-½	1-1-3-3-3
3350'-3375'	3-2-2-2-3	2-2-3-2-2	3-2-2-2-3	1-1-3-3-2	3-1-1-1-1
3375'-3400'	1-½-1-½-½-1	1-1-1-1-2	3-3-2-2-2	2-2-1-1-2	2-2-2-2-2
3400'-3425'	2-2-2-2-3	3-2-3-1-2	3-2-2-3-2	3-3-2-1-2	1-2-1-1-1
3425'-3450'	2-2-2-2-2	1-2-2-2-2	1-1-1-1-1	1-1-1-1-1	1-1-1-1-1
3450'-3475'	2-2-2-2-2	2-2-2-2-3	2-3-2-2-2	2-2-2-2-2	2-3-2-3-2
3475'-3500'	2-½-½-1-1	2-2-2-1-1	½-½-1-2-2	2-2-2-2-2	2-2-3-2-2
3500'-3525'	2-2-2-2-2	2-2-2-2-3	2-2-2-2-2	2-2-2-2-2	3-1-3-1-1
3525'-3550'	2-1-2-2-2	3-2-2-3-2	1-2-2-2-2	2-2-2-1-1	1-2-2-1-1
3550'-3575'	2-2-3-2-1	½-1-2-2-2	2-2-2-1-1	2-2-2-2-2	2-1-1-2-1
3575'-3600'	2-2-1-2-1	3-2-1-1-2	2-2-2-2-3	1-1-2-2-2	1-1-2-1-1
3600'-3625'	2-3-2-3-2	3-2-3-3-2	3-2-2-2-2	2-2-3-2-2	2-2-3-3-3
3625'-3650'	4-4-4-3-4	3-4-4-3-4	3-3-5-5-5	7-3-1-8-5	4-3-2-3-3
3650'-3675'	4-4-5-4-4	4-6-7-6-10	7-7-7-7-7	9-1-8-5-6	6-7-7-5-3
3675'-3700'	3-16-3-2-4-3	4-4-4-5-3	4-4-4-3-2	3-4-4-4-3	2-4-3-3-3 (bit trip @ 4176')
3700'-3725'	3-3-3-3-3	3-3-3-2-3	3-2-2-1-3	3-4-4-4-3	5-3-3-4-4
3725'-3750'	3-3-3-3-3	4-4-4-4-3	3-4-4-3-4	4-4-3-3-3	4-3-3-2-3
3750'-3775'	2-3-4-3-3	4-3-3-3-3	2-4-3-3-3	4-3-3-4-3	4-3-3-3-3
3775'-3800'	2-3-2-3-3	3-4-3-3-4	3-3-3-3-4	4-3-3-2-3	2-4-3-3-4
3800'-3825'	1-½-2-2-1	1-1-2-3-2	2-3-3-3-3	4-4-3-4-4	5-3-3-4-3
3825'-3850'	4-3-3-4-3	4-1-3-3-3	4-3-3-4-3	4-4-5-3-4	4-4-4-3-2
3850'-3875'	3-3-2-3-2	3-3-3-3-3	3-4-1-3-4	4-2-3-3-3	3-4-4-3-3
3875'-3900'	3-2-3-4-3	4-3-3-4-3	4-4-3-4-4	3-4-5-2-3	3-3-3-4-4
3900'-3925'	4-4-5-5-5	4-4-4-4-3	3-4-5-5-4	5-5-5-5-4	4-4-4-3-4
3925'-3950'	5-5-5-6-5	5-5-5-4-3	4-4-4-4-4	5-5-6-5-5	6-6-5-5-5
3950'-3975'	3-5-5-4-3	3-4-4-5-5	5-5-3-3-4	4-4-4-5-4	5-5-4-5-5
3975'-4000'	5-5-5-6-5	5-5-5-6-4	3-4-5-4-5	5-5-4-5-5	5-5-5-5-5
4000'-4025'	5-4-5-4-4	4-4-5-6-4	6-4-4-4-4	5-3-3-2-2	2-3-3-3-3
4025'-4050'	2-2-2-2-2	3-3-3-3-3	4-2-4-4-3	3-4-3-2-2	4-2-3-4-5

DRILLING TIME LOG

4050'-4075'	3-3-4-4-5	6-3-4-4-1	1-1-1-1-½	1-1-2-2-2	2-2-2-2-21
4075'-4100'	2-3-2-2-2	3-2-2-2-3	3-3-3-3-3	3-2-2-2-2	2-3-2-1-2
4100'-4125'	2-2-7-5-4	5-2-2-5-4	7-5-7-5-5	6-5-4-5-5	6-7-6-6-6
4125'-4129'	7-7-5-6-5	4130' RTD			

CFS @ 4130'