

GEOLOGICAL REPORT

Dan A. Nixon, Petroleum Geologist - Licensed & Certified

Well Name: #4 P. Schmeidler

Location: 60' South & 50' West of W/2 SE SW
Section 21, T12S-R17W
Ellis 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 & Mapping
2344 Washington
Great Bend, Kansas 67530
Rotary Bushing: 2148'
Ground Level: 2143'

Samples: Ten foot samples from 3100'
to 3350' and five foot samples
from 3350' to 3695' RTD.

Time Log: One foot intervals from 3100'
to 3695' RTD. A copy of the
time log is included in this report.

Surface Casing: 8 5/8" @ 218' w/160 sacks

Production Casing: 5 1/2" @ 3677' w/100 sx common

Port Collar or DV Tool: 1414' w/350 sx 60/40 Pozmix

Spud Date: 3.5.07

Completion Date: 3.12.07

API #: 15-051-25587-00-00

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FORMATION TOPS:	SAMPLE DEPTH DATUM	LOG DEPTH	MINUS
Anhydrite (driller's)	1373'	1373'	+775
Anhydrite Base (driller's)	1408'	1409'	+739
Topeka	3125'	3129'	-981
Heebner Shale	3363'	3364'	-1216
Toronto Lime	3383'	3384'	-1236
Lansing	3405'	3408'	-1260
Base of the Kansas City	3636	3637'	-1489
Conglomerate Shale	3647'	3649'	-1501
Arbuckle Dolomite	3674'	3675'	-1527
Total Depth	3695'	3698'	-1550

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

Toronto	3387'-90'	Tight, fine crystalline, white limestone with only a trace of rare spotty stain. Indicated tight on electric log. Not worthy of testing.
Lansing	3420'-24'	Limestone as above, trace of rare spotty stain. No shows in wet samples. Electric log indicated zone to be wet and no permeability. Not worthy of testing.
	3433'-36'	Fine crystalline, white limestone, tight, barren with a trace of rare spotty stain and no show in the wet samples. Calculated wet on log. Not worthy of testing.
	3485'-91'	Grey, fine crystalline, tight limestone, rare spotty stain. Log indicated good porosity and permeability, and a water saturation calculation worthy of testing. Questionable if representative samples of zone were observed. Based on electric log, test this zone.
	3538'-40'	Off white, slightly vuggy limestone, poor vuggy porosity with rare to spotty stain. Slight show of free oil and odor in wet samples. Calculated greater than 50% water saturation on the electric log. Consider testing prior to abandoning well
	3567'-70'	Cherty, fine crystalline, white limestone, poor intercrystalline porosity, with rare spotty stain. No shows in the wet samples. Tight and wet on log. Not worthy of testing.
	3586'-89'	White, buff, grey limestone, slight vuggy porosity and trace of dark spotty stain. Slight show of free oil and odor in the wet samples. Although this zone calculated greater than 50% water saturation on the log, this zone should be considered for testing prior to abandoning well.

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Lansing (cont.) 3607'-10' Dense, fine crystalline, white limestone, trace of dark, rare spotty stain. No shows in the wet samples. Calculated wet on log. Not worthy of testing.

Arbuckle Dolomite 3675'-98' Buff, medium and coarse crystalline, dolomite, sandy in part with spotty to mostly saturated stain. Good intercrystalline porosity. Had a good show of free oil and strong odor in the wet samples. Sand grains were clear, subrounded and also saturated. Lower portion contained fine crystalline sucrosic dolomite, spotty and saturated dolomite. Good intercrystalline porosity. Test this zone.

REMARKS:

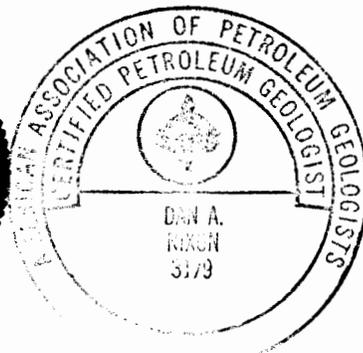
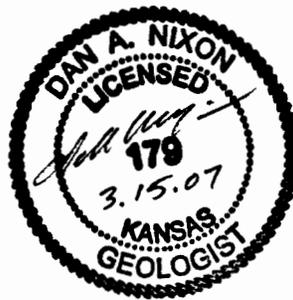
Structurally, the Lansing top on the #4 P. Schmeidler ran 1' high to the #3 P. Schmeidler (R.P. Nixon Oper., Inc.), the Arbuckle producer to the northwest about 1/4 mile, and 12' high to the #2 WM Schmeidler (H H Blair & VD Sidey), the dry hole to the north about 1/3 north. The Arbuckle top on the #4 P. Schmeidler ran 10' high to the same #3 P. Schmeidler. Arbuckle was not encountered in the same #2 WM Schmeidler. Total depth minus datum on that well was -1567, 40' below the Arbuckle top on the #4 P. Schmeidler.

Based on its structural position to surrounding producers and dry holes, in addition to the good show in the Arbuckle samples, 5 1/2" casing was cemented at 3677' with 100 sacks for further testing.

Respectfully Submitted,



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



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DRILLING TIME LOG

3100'-3125'	1-1-1-2-1	1-1-3-2-2	2-2-2-3-2	1-2-3-2-1	1-1-1-1-1
3125'-3150'	3-3-3-3-3	3-3-2-3-2	3-4-2-3-2	1-2-3-2-3	3-3-3-2-3
3150'-3175'	3-3-3-3-3	3-3-3-3-4	3-3-3-3-3	3-4-3-3-3	3-3-3-3-2
3175'-3200'	2-2-2-2-2	2-3-2-2-3	3-3-3-3-3	3-2-2-2-2	2-3-2-3-3
3200'-3225'	3-3-2-2-3	3-2-3-2-3	3-3-3-3-3	3-2-3-2-3	3-3-2-2-3
3225'-3250'	3-3-2-3-2	3-3-1-2-2	3-2-2-2-2	3-2-2-1-1	2-2-3-4-3
3250'-3275'	3-2-2-3-3	3-3-3-3-3	3-2-3-2-3	2-3-3-2-3	3-2-2-3-2
3275'-3300'	3-2-1-1-1	2-3-2-3-2	3-2-1-3-2	1-2-4-2-3	4-2-3-3-4
3300'-3325'	4-3-4-3-4	3-4-4-3-4	3-3-2-3-3	3-3-3-3-3	3-3-3-2-3
3325'-3350'	3-3-1-2-2	2-2-2-2-2	2-3-2-2-2	3-3-2-3-2	3-3-3-2-2
3350'-3375'	2-3-3-3-2	3-3-3-3-1	3-2-2-1-1	2-3-3-3-2	3-2-3-2-3
3375'-3400'	3-3-2-3-2	3-2-2-3-3	2-2-3-4-2	2-3-3-3-4	3-3-4-3-3
3400'-3425'	3-4-3-2-2	3-2-3-3-3	3-1-½-1-1	1-1-2-3-3	3-½-2-3-2
3425'-3450'	3-3-2-3-3	3-2-3-3-3	3-2-3-3-3	3-3-4-3-3	3-3-4-3-3
3450'-3475'	3-3-1-3-3	3-3-3-2-4	3-3-3-3-3	3-3-3-4-2	2-2-3-3-2
3475'-3500'	3-3-4-3-4	2-2-2-1-2	1-2-2-2-1	2-3-3-4-3	4-3-3-3-3
3500'-3525'	3-4-4-3-3	3-4-4-3-3	3-4-2-4-1	2-4-4-3-3	4-2-4-3-3
3525'-3550'	3-4-3-3-4	4-2-3-3-3	3-3-3-2-3	4-3-3-3-3	1-3-3-3-3
3550'-3575'	3-3-3-4-3	3-3-3-3-2	4-2-4-4-4	3-2-2-3-3	4-3-4-3-3
3575'-3600'	2-2-2-2-2	2-2-2-3-2	3-2-2-3-3	3-3-3-3-4	4-3-4-4-4
3600'-3625'	5-5-4-4-4	4-3-2-3-3	4-3-3-3-4	3-3-3-3-3	3-3-3-4-4
3625'-3650'	4-3-3-3-4	4-3-3-3-3	3-2-2-2-3	3-4-4-3-4	3-3-2-2-2
3650'-3675'	2-3-3-2-3	4-4-4-5-4	5-4-3-4-3	3-3-3-2-2	3-3-4-4-3
3675'-3698'	3-3-3-3-3	4-3-3-4-2	3-4-3-3-2	3-2-2-3-3	
	3695' RTD	CFS @ 3695'			

Note: mud pump pressure decreased from 750# to 300# from 3665'-3695' (15 sx of hulls added @ 3667')

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