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SDOCO, LLC

Carmen Trust #16-11

NW-SE-SE-SE (651' FSL & 371' FEL)

Section 11-19s-36w

Ness County, Kansas

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Dry and Abandoned

Contractor: H2 Drilling Co (rig #1)

Commenced: December 16, 2014

Completed: December 31, 2014

Elevation: 3226' K.B., 3224' D.F., 3215' G.L.

Casing program: Surface; 8 5/8" @ 373'
Production, 5 1/2" @ none

Sample: Samples saved and examined 3900' to the Rotary Total Depth.

Drilling time: One (1) foot drilling time recorded and kept 3900 ft. to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Drill Stem Tests: There was one (1) Drill Stem Tests ran by Trilobite Testing Co.

Electric Log: By Pioneer, Dual Induction, Dual Compensated Porosity Log, Micro & Sonic Logs.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	2310	+916
Base Anhydrite	2400	+826
Heebner	3996	-770
Toronto	4020	-789
Lansing	4047	-821
Muncie Creek	4242	-1016
Stark Shale	4347	-1121
Base Kansas City	4496	-1270
Marmaton	4537	-1311
Pawnee	4614	-1388
Fort Scott	4651	-1425
Cherokee Shale	4660	-1566
Morrow Shale	4854	-1628
Morrow Sand	4876	-1650
Rotary Total Depth	4965	-1739
Log Total Depth	4960	-1734

All tops and zones corrected to Electric Log Measurement.

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3971-3976' Limestone, cream, light gray, fine and medium crystalline, fossiliferous, granular, dark brown spotty stain, no free oil and no odor, trace white chert.

TORONTO SECTION

4019-4036' Limestone, white, cream, finely crystalline, few medium crystalline, oolitic/fossiliferous, poor scattered porosity, no shows.

LANSING SECTION

4047-4060' Limestone, white, cream finely crystalline, sucrosic, oolitic, poor visible porosity, no shows.

4060-4070' Limestone, white, cream, light gray, fine to medium crystalline, slightly oolitic, poor porosity plus boney chert.

4083-4091' Limestone, as above, plus chert as above.

4100-4110' Limestone, white, light gray, finely crystalline, oolitic, poor visible porosity, chalky; plus chert as above.

4110-4126' Limestone, cream, white, finely crystalline, oolitic, poor porosity, trace black stain, no show of free oil and no odor.

4136-4140' Limestone, gray, tan, fine to medium crystalline, poor scattered porosity, cherty in part.

4164-4172' Limestone, gray, tan, finely crystalline, dense, plus chert, gray and tan, boney.

4185-4220' Limestone, tan, gray, finely crystalline, dense, few oolitic.

4220-4236' Limestone, cream, tan, gray, finely crystalline, oolitic, poor porosity, chalky in part.

4260-4270' Limestone, gray, tan, oolitic, poor porosity, chalky, trace gray/tan chert.

4290-4300' Limestone, cream, tan, gray, finely crystalline, dense.

4306-4320' Limestone, cream, finely crystalline, oolitic, poor pinpoint porosity, trace black stain, show of free oil (dead) and no odor.

4326-4336' Limestone, cream, tan, finely crystalline, oolitic, oomoldic, poor to fair oomoldic porosity, trace dark brown stain, no free oil and no odor in fresh samples.

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4356-4364' Limestone, cream, gray, finely oolitic, oomoldic, poor porosity, cherty, no shows.

4380-4396' Limestone, cream, light gray, finely crystalline, oolitic, poor porosity, few cherty increasingly chalky.

4420-4440' Limestone, cream, light gray, finely oolitic, cherty in part.

4440-4460' Limestone, gray, tan, finely crystalline, dense, chert in part.

4478-4488' Limestone, cream, tan, finely crystalline, highly oolitic, slightly cherty, few dolomitic at base; no shows.

MARMATON SECTION

4538-4550' Limestone, cream, tan, gray, finely crystalline, highly oolitic, few sucrosic, poor pinpoint and inter-crystalline porosity, trace dark brown stain, trace of free oil and a faint odor in fresh samples.

Drill Stem Test #1

4494-4548

Times: 30-30-45-60

Blow: Weak

Recovery: 10' mud

Pressures: ISIP 116 psi
FSIP 218 psi
IFP 63-69 psi
FFP 73-74 psi
HSH 2271-2128 psi

4560-4572' Limestone, light gray, finely crystalline, oolitic, poor pinpoint porosity, no shows, no odor.

4582-4608' Limestone, cream, tan, finely crystalline, dense, few fossiliferous.

PAWNEE SECTION

4616-4642' Limestone, cream, tan, gray, finely crystalline, fossiliferous, poor visible porosity, no shows.

FORT SCOTT SECTION

4652-4659' Limestone, tan, gray, finely crystalline, fossiliferous, poor visible porosity, no shows.

CHEROKEE SECTION

4663-4680' Limestone, white, cream, oolitic, poor porosity, trace dark brown stain, no shows.

4680-4693' Limestone, buff, gray, finely crystalline, dense, few oolitic, dense.

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4698-4719'	Limestone, gray, finely crystalline, few fossiliferous, oolitic, poor porosity, cherty in part.
4735-4754'	Limestone, gray, tan, finely crystalline, few fossiliferous/oolitic, poor visible porosity, cherty in part.
4756-4777'	Limestone, tan, buff, gray, finely crystalline, dense.
4791-4816'	Limestone, tan, buff, gray, finely crystalline, few fossiliferous, poor visible porosity, no shows.
4821-4842'	Limestone, gray, tan, oolitic/fossiliferous, poor visible porosity, cherty in part, no shows.

MORROW SECTION

4876-4889'	Sand, white, fine grained, well rounded, well sorted, dense, few friable poorly developed inter-granular porosity, no shows.
4923-4932'	Sand, white, fine grained, well sorted, rounded, poor inter-granular porosity, few friable, no shows.
4943-4952'	Sand, as above, glauconitic, no shows.

Rotary Total Depth	4965
Log Total Depth	4960

Recommendations:

The SDOCO LLC, Carman Trust #16-11; was plugged and abandoned at the Rotary Total Depth 4965.

Respectfully submitted;



Kurt Talbott
Petroleum Geologist