API #15-153-21036

Saman Sharifaie

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR:	Saman Sharifaie Petroleum Geologist
LEASE:	Nemecek Trust
WELL NUMBER:	1-23
LOCATION:	SE - NW - NW
COUNTY:	Barton
STATE:	Kansas
CONTRACTOR:	Duke Drilling Co. Rig #9
SPUD:	07/31/14
COMP.:	08/06/14
TOTAL DEPTH:	3550'
ELEVATION:	1947' KB
MEASUREMENTS:	All from KB
CASING:	Surface: 8 5/8" @ 297' Production: None
ELECTRICAL SURVEYS:	Dual Induction, Dual Compensated Porosity, Microlog
DRILLING TIME AND SAMPLE LOG:	Saman Sharifaie
GEOLOGICAL SUPERVISION FROM:	3300'
DRILLING TIME RECORDED FROM:	3300'
SAMPLES SAVED FROM:	3300' TO: 3550'
DRILLING TIME KEPT FROM:	3300' TO: 3550'
GEOLOGICAL SUPERVISION BY:	Saman Sharifaie

Formation	Sample Top	Sample Tops	Datum
Anhydrite	3216	(+731)	
Base Anhydrite	3255	(+692)	
Topeka	3577	(-630)	
Heebner	3804	(-857)	
Toronto	3824	(-877)	
Lansing-Kansas City	3868	(-921)	
Stark Shale	4273	(-1326)	
Marmaton	4292	(-1345)	
Pleasanton	4346	(-1399)	
Fort Scott	4475	(-1528)	
Cherokee Shale	4503	(-1556)	
Mississippian	4575	(-1628)	
RTD	4574	(-1627)	
LTD	4574	(-1627)	

N
W E
S

CASING
Surface: 8 5/8" @ 297'
Production: None

ELECTRICAL SURVEYS
Dual Induction
Dual Compensated Porosity
Microlog

REMARKS: Due to her shows of oil in multiple potential pay zones and positive DST results, it is recommended and agreed upon by all parties that production casing be set to further evaluate the well.

Respectfully Submitted,

Saman Sharifaie
Petroleum Geologist

API #15-153-21036

*Traps have been adjusted to electric logs

Curve Track 1
INF (Bed?)
Gamma (API)
Caliper (inches)

Curve Track 2
INF (Bed?)
Resistivity (Ohm-m)

Depth | Geologic Time | Geologic Descriptions | Engineering Data

Anhydrite 3216 (+731)

Base 3255 (+692)

DAILY PENETRATION
07/31/14 - 10:00 AM
07/31/14 - Spudded at 4:00 PM
07/31/14 - Drilling at 297'
07/31/14 - Drilling at 3535'
08/01/14 - Drilling at 3900'
08/04/14 - Drilling at 4370'
07/24/14 - Testing at 4400'
07/24/14 - TD'd Test Hole at 4575'

Morgan Mud @ 3540'
Wt: 9.2
Vis: 53
Chl: 500
LCM: 1TR

Bt. grytpr, pred tcrsnrg slty. T lse Gl

Bdst, brcmsgmstone, fn-cgr, w/tr fr intgran por, fn. calc, cemnt, mstly off wht grt fm

Bdst, dk brngstone, slty gr, w/tr, pr fr intgran por, fn calc, cemnt, mstly off wht grt fm

Bdst, dk brngstone, slty gr, w/tr, pr fr intgran por, fn calc, cemnt, wh, sd, slty, w/ pp fm

Bdst, lcrs, slty gr, w/tr, pr fr intgran por, fn, calc, cemnt, gy, sh, fr, cmnt, fn, T pp, fn, T Gl

Bdst, lt Bn, ocs, hvy oilsy

Bn, dk gry fm-ft sd slty

Nemo 3706 (-457)

Lmst, crm, slty, lt crm, fossil, fr oolitic pel, dsc, calc cmnt, w/tr, fr, fr intgran por, fn, T pp, fn, T Gl

Bdst, brcmsgmst, slty gr, w/tr, pr fr intgran por, sub-rnd, cmnt, wh, fn, T Gl

Lmst, crm, slty gr, w/ sh fr, fr, pr, w/ intfrac por, dsc, calc, cmnt, fn, sub-slty, dsbrg, sand gy fm Bn fm Bdst, ocs, sh

Bdst, lcrs, fr gr, w/ sh, fr, fr intgran por, sub-rnd, calc, cmnt, wh, sand, fn, w/ pp, fn, T Gl

Ss, f-fcrs, dk gry, w/ sd, w/ intgran por, cmnt, sl fr, calc, cmnt, dsbrg, T pp, ocs

Red Eagle 3768 (-489)

Lmst, crm, pr oolitic fr, ocs, fossil, pr w/ intergran pr, sl dsc, pr, sub, sl fr, sub-slty, ocs

Ss, gy, pr/poorly fr, fnr por, dsc, calc, cmnt, dsbrg fn slty, ocs

Ss, f-pcrs, vfs fr T pp, Bn fm, ocs

Ss, w/sh, fn, fcrs, pr/fnr intergran pr, sub-rnd, calc, cmnt, dsbrg fn slty, ocs

Lmst, crm, pr oolitic fr, fossil, pr w/ intergran pr, sub-rnd, calc, cmnt, dsbrg, ocs

Ss, f-fcrs, pr, w/ sh, w/ intergran pr, sub-rnd, calc, cmnt, dsbrg, T pp, ocs

Ss, gy, w/ sh, fr, fcrs, pr, w/ intergran pr, sub-rnd, calc, cmnt, dsbrg, T pp, ocs

Ss, f-fcrs, pr, w/ sh, fr, w/ intergran pr, sub-rnd, calc, cmnt, dsbrg, T pp, ocs

Ss, gy