TRANS PACIFIC OIL CORPORATION

API # 15-135-24248

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

LEASE:	Arbuckle Trust
WELL #:	1
LOCATION:	2970' FSL & 2970' FEL
	Sec. 3 - T16S - R24W
COUNTY:	Ness, Kansas
API #:	15-135-24248
SPUD:	10/27/2014
COMPLETED:	11/7/2014
TOTAL DEPTH:	4300'
ELEVATION:	KB: 2232
	GL: 2227
	KB: 5'
CONTRACTOR:	Red Tiger Drilling, Rig #4
	Brad Bideman, Bryce Bideman
	Ryan Bideman, Ryan Pfannenstiel
	Jeff Bideman

CASING
Surface: 8 5/8" @ 221'
Production: 4 1/2" @ 4300'

MUD CO. - CHEMTEC
MUD TYPE - FRESH WATER GEL
DRILLING TIME WITH 7 MAN DATA FLOW
GEOLOGICAL SUPERVISION FROM - 3500'
DRILLING TIME & SAMPLE LOG TO 4300'
ELECTRICAL SURVEYS - NO
DST'S - NO
CORES - NO

Formation	Log	Sample
Anhydrite	1677 (+555)	1674 (+558)
Base Anhydrite	1707 (+525)	1704 (+528)
Topeka	3373 (-1141)	3370 (-1138)
Heebner	3597 (-1365)	3594 (-1362)
Toronto	3618 (-1386)	3616 (-1384)
Lansing	3637 (-1405)	3634 (-1402)
Stark Shale	3911 (-1679)	3908 (-1676)
Base Kansas City	4043 (-1811)	4040 (-1808)
Marmaton	4063 (-1831)	4060 (-1828)
Pawnee	4171 (-1939)	4168 (-1936)
Fort Scott	4229 (-1997)	4226 (-1994)
Cherokee Shale	4253 (-2021)	4250 (-1998)
Mississippian	4300 (-2068)	4300 (-2068)

REMARKS:Due to favorable structural position of the Arbuckle dolomite and encouraging drill stem test results it was decided to run 5 1/2" production casing to complete the Arbuckle through perforations.

Bryce Bideman

LEGEND

Drilling Time | Resistivity | Porosity | Shows | DRILLING TIME IN MINUTES PER 1 FOOT | SAMPLE DESCRIPTION | LOG | Gas | Drilling Rate

DEPTH | DATUM

1.0 5 10 20

3400 3500 3600 3700 3800 3900 4000 4100 4200 4300

ANHYDRITE 1674' (+558)

BASE ANHYDRITE 1704' (+528)

TOPEKA 3370' (-1138)

HEEBNER 3594' (-1362)

TORONTO 3616' (-1384)

LANSING 3634' (-1402)

STARK 3908' (-1676)

BKC 4040' (-1808)

MARMATON 4060' (-1828)

PAWNEE 4168' (-1936)

FORT SCOTT 4226' (-1994)

CHEROKEE SH 4250' (-1998)

MISSISSIPPIAN 4300' (-2068)

Sh- gy, soft
Lm- tn, gy, fx, foss, chky in pt, scattered pt, fr vggs & int vgxpll, tlse in pt

Sh- gy, soft
Sh- gy, soft, pyr

Lm- tn, tn, foss, fr vgr vggs & int fossil, rnd dse

Lm- crm-tn, fx, foss, scattered pt vggs & fossils/pll, rx

Lm- crm-tn, gy, fx, foss, scattered pt vggs & foss mld dl, rnd dse

Sh- gy,blk
Lm- AA

Lm- tn-gy, fx, foss, few vgs & foss mlds, mod dse, r x

Sh- gy,blk
Lm- tn-gy, fx, foss, mstly dse, few scattered vgs & foss mlds
Sh- gy,blk, soft, chky in pt
Sh- gm-gy, blk, carb in pt

Lm- tn-lt brwn, f-xln, abun foss, pr vggs & foss mld dl, few scattered pt

Lm- tn, f-xln, abun foss, p-fr vggs & int-xpr in foss mld dl, r x, rnd
Sh- gy, soft
Sh- AA
Chk- AA
Lm- tn-gy, fx, foss, pr vggs & foss mld dl, chky in pt
Sh- gy, soft
Sh- mar-gy-blk, tr pyr

Lm-crm-tn, fx, foss, few vgs & foss mlds, mod dse

Lm- crm-tn, fx, foss, mod dse, some sh-gy, chky

Lm- tn-gy, fx, foss, pr vggs, some chk
Sh- gy, soft, pyr
Lm- tn-lt, fx, foss, pr vggs, mod dse, chky in pt, tr pyr
Sh- gy, soft
Lm-AA
Lm- crm-tn, fx, foss, scattered pt vggs, mod dse, some sh-gy, chky in pt, rnd dse
Sh- gy, soft, pyr, abun wh chk

Lm- crm-tn, fx, foss, odll in pt, pr vggs, int-xpr in pt, few foss, vrs dk mass in & blk stn, no odor, no flor
Sh- gy, soft
Lm- tn, fx, foss, odll, mod, pr vggs & foss mld, int-xxpll, pack, few dk mass in & blk stn, no odor
Lm- tn, fx, foss, dse, chky in pt
Chk- wh-tn
Sh- dk-gy, foss

Sh- blk, carb, soft
Lm- tn-gy, fx, foss, dse
Sh-gy,gy-blk, tr pyr
Lm- gy, fx, foss, dse

Sh-AA
Lm-tn-lt, foss, mod dse, some sh-gy, chky
Sh-gy,gy-blk
Lm-AA
Lm-tn-lt, foss, mod dse, some sh-gy, chky
Sh-gy,gy-blk
Lm-AA
Lm-crm-tn, fx, foss, vggs, p-fr, int-xxpll, tr pyr, few dk mass in & blk stn, sm oil fr on break, vy wk odor, no flor
Sh- mar-gy-blk
Lm-gy,gy-tn, fx, foss, dse
Sh- mar-gy-blk, tr pyr, dse
Lm- tn, fx, foss, dse, few vgs & foss mlds, r x
Sh- mar-gy-blk
Lm-crm-tn, fx, foss, p-fr vggs & foss mld & int foss xxll pll, fr dk mass in & blk stn, no odor
Lm- tn, fx, foss, p-fr vggs, foss mld pll, fkll & dk stn, wk odor, vy dull flor
Sh- gy
Lm-wh-crm, fx, foss, dse, abun wh chk, r x
Sh- mar-gy-blk, soft carb in pt
Lm-crm-tn, fx, foss, pr foss wg in pt
Sh-gy,gy-blk, chky
Lm-tn-gy, fx, mod dse, hard
Sh- gy
Lm-crm-tn-tn-gy, fx, few foss, pr vggs & int-xxpll, tr dk mass in & blk stn, no odor, dull flor
Sh-gy,gy-blk, abun chky
Lm-tn-gy, fx, odll, pr vggs, int-xxpll, few dk mass in & blk stn, no odor, dull flor
Sh-gy,gy-blk, abun chky
Lm-tn-gy, fx, foss, pr int-xxpll, few vgs, pass & stn, wk odor
Sh- gy
Lm- AA, chky in pt, p-fkll, & dk stn, wk lt odor, dull flor
Sh- gy
Sh-dk-gy,blk
Lm-tn-gy, fx, foss, pr, pr int-xxpll, few vgs, few dk mass in & blk stn, no odor, no flor
Sh- gy,blk, few foss, sm, mostly chky
Lm-tn-gy, fx, foss, dse
Tr Ts Ch
Lm-tn-gy, soft, some gm-gy
Lm-tn-lt-gy, fx, odll in pt, dse
Sh- dk-gy,gy, soft
Lm-tn-gy, fx, odll, abun cl, dse
Lm- tn-gy, dse in pt, sd odll
Sh-dk-gy, abun gy & rd chays
Lm-crm-tn-tn-gy, fx, few foss, sstlike dse, chky in pts
Lm-gy, fx, odll, pr pt, dse
Lm- tn-gy, gy, fx, odll in pt, chky in pt, dse
Sh- rd, silty, small amt
Lm-tn-gy, fx, foss, few sd grns in some
Tr yell chk
Lm-crm-tn-rd-mar-rd grns in some
Chk- yell-rd, few sd clust-rd veg, abun wh chk, r x
Lm-wh-tn, f-xln, cs, mostly ss pll, tr vggs & int-xpr in part
Lm-tn-gy, fx, odll, pr vggs, int-xxpll, gy-dk brwn fx & stn, fr color, dull flor
Lm-tn-gy, fx, foss, pr int p-p, p-fr vggs & int-xxpll, fkll & stn, fr color, dull flor
Lm-tn-crm-tn-gy, f-mx, p-fr vggs & int-xxpll, some dse, fr stn, fr color
Sh- gy
Lm- wh-crm, f-xln, fr vggs, int-xxpll, p-fkll, sm, few odor than above, some pyr

Dol- wh-crm, fx, mod dse, pr vggs int-xxpll, p-fkll & stn, fr odor

Dol- crm-tn-wh-tn, fx, mostly dse, hard, r x

Dol-crm-tn, fx, few foss, dse, r x

Dol- crm-tn-rd-bn, fx, dse, m x, small amt of sd stn

Dol- AA tr pyr, chky in pt, rd sstly rg in pt, r x

Dol- Tn, fx, dse, tr pyr
Sm amt Sh- rd-gy, sdy, r x

Dol- tn-rd, f-mx, dse, sdy in pt, some chky, sdl stn-rd

Dol- AA, mor in rd sdl, stn

DATE TD
10 4300
11 4300
12 4300