

WELL COMPARISON SHEET

FORMATION	KASSELMAN #8				KASSELMAN #1				ANNA KASSELMAN #2				DONNA #1-23				JOELENE #1							
	1764		1754		1762		1759		1759		1753		1767		1767		1767							
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.			
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP	486	1278	495	1269	465	1297	- 19	- 28	475	1284	- 6	- 15	454	1299	- 21	- 30	462	1305	- 27	- 36				
BASE	498	1266											474	1279	- 13		485	1282	- 16					
TARKIO LIME	2366	-602			2352	-590	- 12																	
TOPEKA	2619	-855	2623	-859	2603	-841	- 14	- 18					2592	-839	- 16	- 20								
HEEBNER SHALE	2882	-1118	2885	-1121	2868	-1106	- 12	- 15	2873	-1114	- 4	- 7	2861	-1108	- 10	- 13	2874	-1107	- 11	- 14				
TORONTO	2899	-1135	2901	-1137	2884	-1122	- 13	- 15	2895	-1136	+ 1	- 1	2876	-1123	- 12	- 14	2889	-1122	- 13	- 15				
DOUGLAS SHALE	2914	-1150	2917	-1153	2902	-1140	- 10	- 13					2892	-1139	- 11	- 14	2905	-1138	- 12	- 15				
DOUGLAS SAND	2956	-1192	2964	-1200	2953	-1191	- 1	- 9																
BROWN LIME	3010	-1246	3011	-1247	2998	-1236	- 10	- 11	3000	-1241	- 5	- 6	2985	-1232	- 14	- 15	2996	-1229	- 17	- 18				
LKC	3028	-1264	3037	-1273	3024	-1262	- 2	- 11	3023	-1264	+ 0	- 9	3012	-1259	- 5	- 14	3021	-1254	- 10	- 19				
STARK	3225	-1461	3214	-1450	3213	-1451	- 10	+ 1					3203	-1450	- 11	+ 0								
BKC	3263	-1499	3261	-1497	3262	-1500	+ 1	+ 3					3252	-1499	+ 0	+ 2								
ARBUCKLE	3280	-1516	3281	-1517	3266	-1504	- 12	- 13	3269	-1510	- 6	- 7	3254	-1501	- 15	- 16	3271	-1504	- 12	- 13				
TOTAL DEPTH	3359	-1595	3360	-1596	3270	-1508	- 87	- 88	3284	-1525	- 70	- 71					3311	-1544	- 51	- 52				

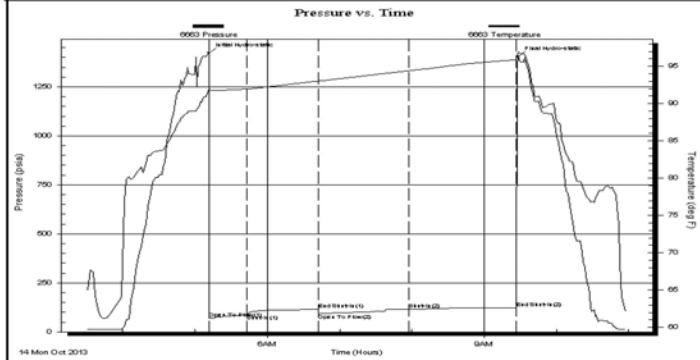
DST #1 DOUGLAS SAND 2905' - 2985'

	DRILL STEM TEST REPORT Trans Pacific Oil Company 100 South Main Suite 200 Wichita, Kansas 67206-3735 ATTN: Jeff Lawler		23-20s-11w Barton Kasselmann #8 Job Ticket: 17091 DST#: 1 Test Start: 2013.10.14 @ 00:00:00	
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GENERAL INFORMATION:
 Formation: **Douglas Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **2905.00 ft (KB) To 2985.00 ft (KB) (TVD)**
 Total Depth: 2985.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1764.00 ft (KB)
 1754.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6663 Inside
 Press@RunDepth: 121.14 psia @ 2980.96 ft (KB)
 Start Date: 2013.10.14 End Date: 2013.10.14
 Start Time: 03:30:00 End Time: 10:58:00
 Capacity: 5000.00 psia
 Last Calib.: 2013.10.14
 Time On Btm: 2013.10.14 @ 05:11:30
 Time Off Btm: 2013.10.14 @ 09:28:30

TEST COMMENT: 1st Shut-In 30 Minutes Fair blow built to the bottom of a 5 gallon bucket in 21 minutes
 1st Shut-In 60 Minutes- No blow back
 2nd Opening 75 minutes-Weak steady 2 inch blow for 55 minutes then decreased to a weak surface blow
 2nd Shut-In 90 Minutes-No blow back


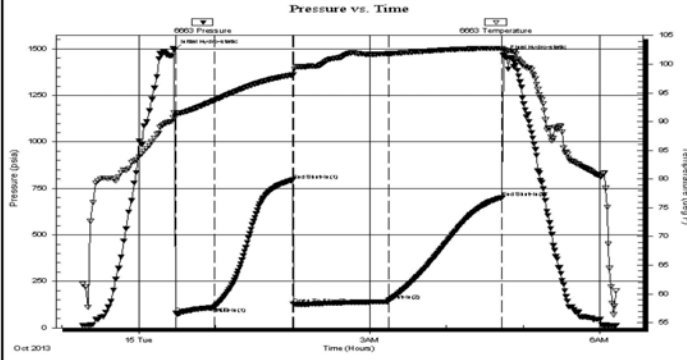


Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1424.08	91.90	Initial Hydro-static
1	68.40	91.78	Open To Flow (1)
32	86.49	91.95	Shut-In(1)
91	115.09	93.02	End Shut-In(1)
91	90.30	93.02	Open To Flow (2)
166	114.33	94.40	Shut-In(2)
256	121.14	95.87	End Shut-In(2)
257	1404.33	96.88	Final Hydro-static

Length (ft)	Description	Volume (bbl)
0.00	420 feet of gas in the pipe	0.00
70.00	Drilling mud	0.00

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

DST #2 LKC A - F 3015' - 3105'


	DRILL STEM TEST REPORT																																					
	Trans Pacific Oil Company 100 South Main Suite 200 Wichita, Kansas 67206-3735 ATTN: Jeff Lawler	23-20s-11w Barton Kasselman #8 Job Ticket: 17092 DST#: 2 Test Start: 2013.10.15 @ 00:00:00																																				
GENERAL INFORMATION:																																						
Formation: Kansas City "A-F" Deviated: No Whipstock: ft (KB) Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00 Interval: 3015.00 ft (KB) To 3105.00 ft (KB) (TVD) Total Depth: 3105.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Test Type: Conventional Bottom Hole (Initial) Tester: Gene Budig Unit No: 3335-45 Reference Elevations: 1764.00 ft (KB) 1754.00 ft (CF) KB to GR/CF: 10.00 ft																																					
Serial #: 6663 Inside Press@RunDepth: 701.99 psia @ 3100.98 ft (KB) Start Date: 2013.10.14 End Date: 2013.10.15 Start Time: 23:15:00 End Time: 06:12:30	Capacity: 5000.00 psia Last Calib.: 2013.10.15 Time On Btm: 2013.10.15 @ 00:27:30 Time Off Btm: 2013.10.15 @ 04:45:00																																					
TEST COMMENT: 1st Opening 30 Minutes Weak building blow built to 11 1/2 inches into the water (1/2 inch from the bottom) 1st Shut-In 60 Minutes-No blow back 2nd Opening 75 Minutes-Weak building blow built to the bottom of a 5 gallon bucket in 28 minutes 2nd Shut-In 90 Minutes-No blow back																																						
	PRESSURE SUMMARY																																					
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Superior Testers Enterprises LLC

Ref. No: 17092

Printed: 2013.10.15 @ 06:39:12

DST #3 LKC H - J 3147' - 3220'

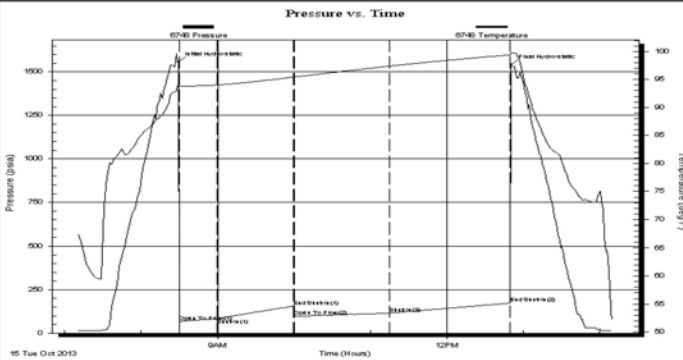
	DRILL STEM TEST REPORT	
	Trans Pacific Oil Company 100 South Main Suite 200 Wichita, Kansas 67206-3735 ATTN: Jeff Lawler	23-20s-11w Barton Kasselman #8 Job Ticket: 17093 DST#: 3 Test Start: 2013.10.15 @ 00:00:00
GENERAL INFORMATION:		
Formation: Kansas City "h-I & J" Deviated: No Whipstock: ft (KB) Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00	Test Type: Conventional Bottom Hole (Initial) Tester: Gene Budig Unit No: 3335	

Interval: 3147.00 ft (KB) To 3220.00 ft (KB) (TVD)
 Total Depth: 3220.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1764.00 ft (KB)
 1754.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6748 Outside
 Press@RunDepth: 172.60 psia @ 3216.61 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.15 End Date: 2013.10.15 Last Calib.: 2013.10.16
 Start Time: 07:10:00 End Time: 14:10:00 Time On Btm: 2013.10.15 @ 08:29:30
 Time Off Btm: 2013.10.15 @ 12:50:30

TEST COMMENT: 1st Opening 30 Minutes weak building blow built to 4 inches into the water
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 75 Minutes-Weak steady 2 inch blow for 50 minutes then decreased and died after 65 minutes
 2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1555.65	94.09	Initial Hydro-static
1	65.03	93.77	Open To Flow (1)
31	82.67	94.01	Shut-In(1)
91	155.88	95.42	End Shut-In(1)
91	98.14	95.42	Open To Flow (2)
166	115.78	97.38	Shut-In(2)
260	172.60	99.38	End Shut-In(2)
261	1541.67	99.74	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
70.00	Drilling Mud	0.34

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

DST #4 ARBUCKLE 3258' - 3285'

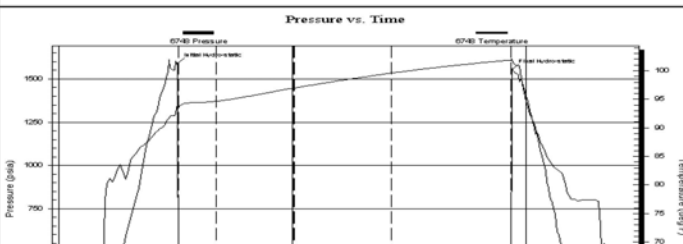


DRILL STEM TEST REPORT
 Trans Pacific Oil Company **23-20s-11w Barton**
 100 South Main Suite 200 **Kasselman #8**
 Wichita, Kansas 67206-3735 Job Ticket: 17094 **DST#: 4**
 ATTN: Jeff Lawler Test Start: 2013.10.16 @ 00:00:00

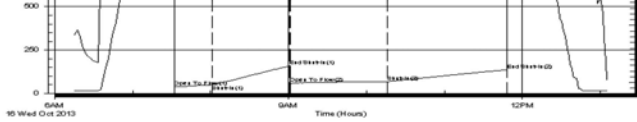
GENERAL INFORMATION:
 Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00 Tester: Gene Budig
 Time Test Ended: 00:00:00 Unit No: 3335
 Interval: **3258.00 ft (KB) To 3285.00 ft (KB) (TVD)** Reference Elevations: 1764.00 ft (KB)
 Total Depth: 3285.00 ft (KB) (TVD) 1754.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6748 Outside
 Press@RunDepth: 136.00 psia @ 3282.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.10.16 End Date: 2013.10.16 Last Calib.: 2013.10.17
 Start Time: 06:15:00 End Time: 13:06:23 Time On Btm: 2013.10.16 @ 07:31:23
 Time Off Btm: 2013.10.16 @ 11:48:53

TEST COMMENT: 1st Opening 30 Minutes Weak building blow built to 2 1/2 inches into the water
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 75 Minutes Weak building blow built to the bottom of a 5 gallon bucket in 72 minutes
 2nd Shut-In 90 Minutes no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1591.34	93.85	Initial Hydro-static
1	38.05	93.46	Open To Flow (1)
30	49.04	94.67	Shut-In(1)
90	158.34	96.98	End Shut-In(1)
90	57.90	96.96	Open To Flow (2)
165	66.93	99.60	Shut-In(2)
257	136.00	101.88	End Shut-In(2)
258	1555.44	102.08	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
0.00	300 feet of gas in the pipe	0.00
60.00	heavy oil and gas cut mud	0.30
0.00	30%Gas 20%Oil 50%Mud	0.00

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Superior Testers Enterprises LLC

Ref. No: 17094

Printed: 2013.10.17 @ 01:16:53

ROCK TYPES

Dolprim	Lmst fw7>	Carbon Sh	Shcol
Dolsec	shale, gry	shale, red	Ss

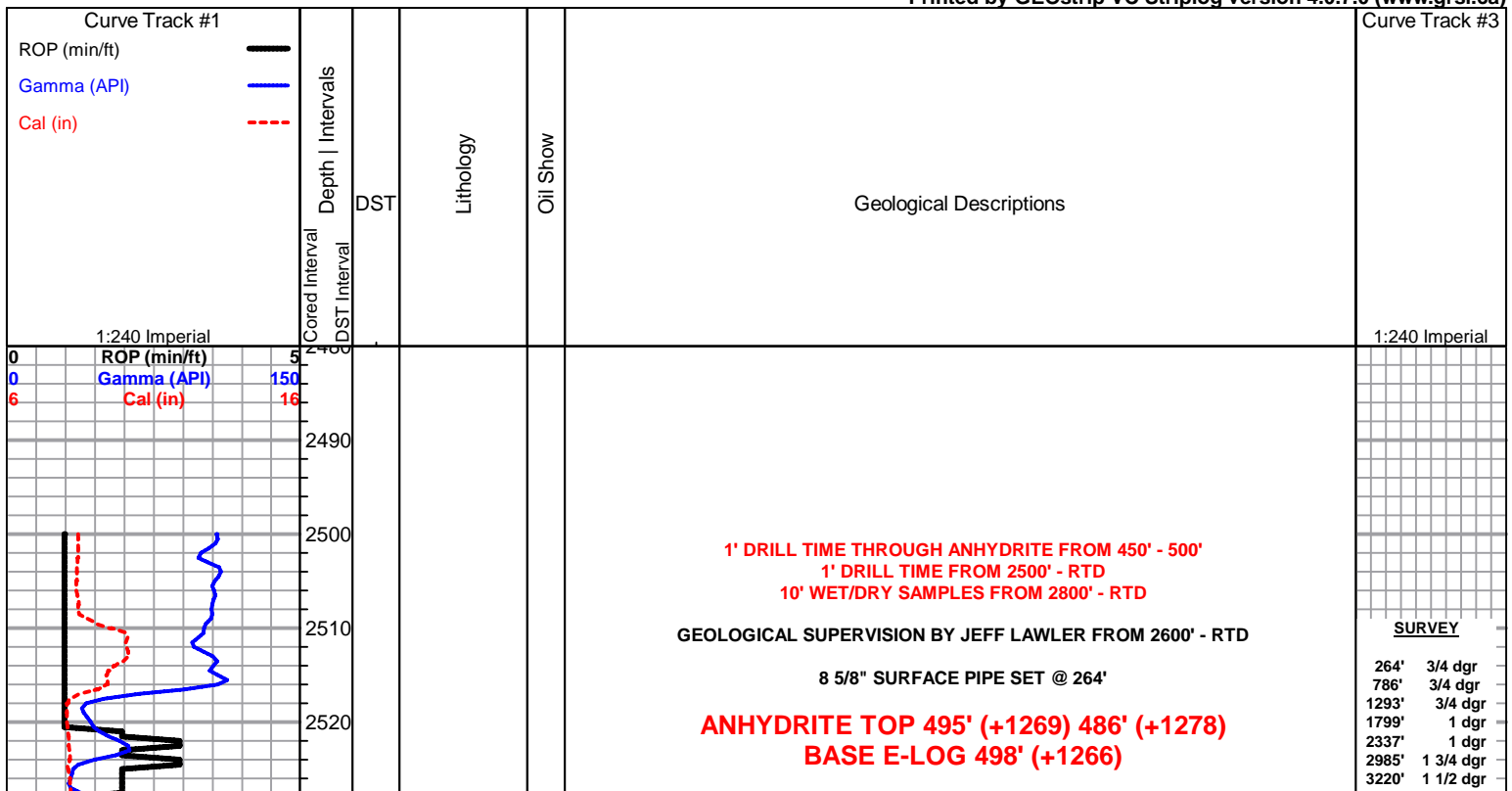
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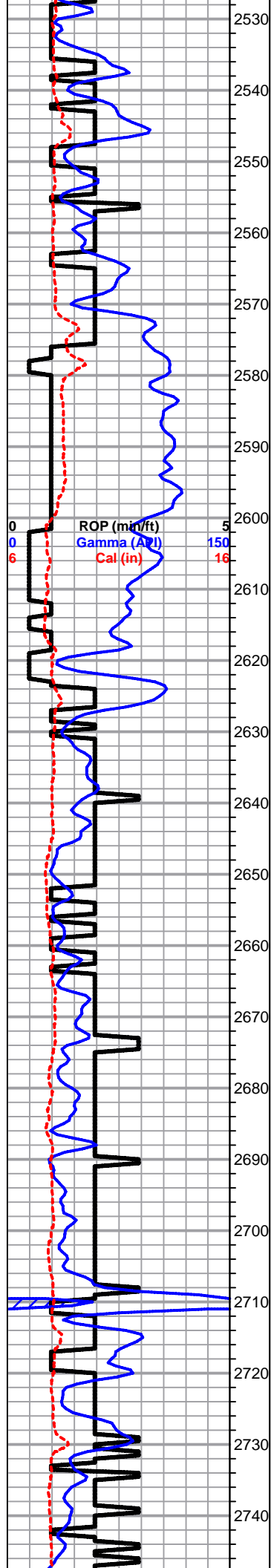
FOSSIL	STRINGER
◊ Oolite	red shale
⚙ Oomoldic	

OTHER SYMBOLS

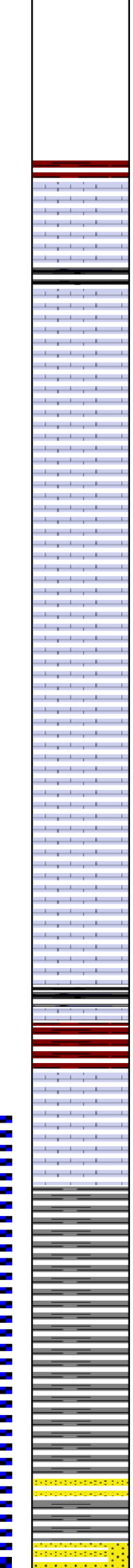
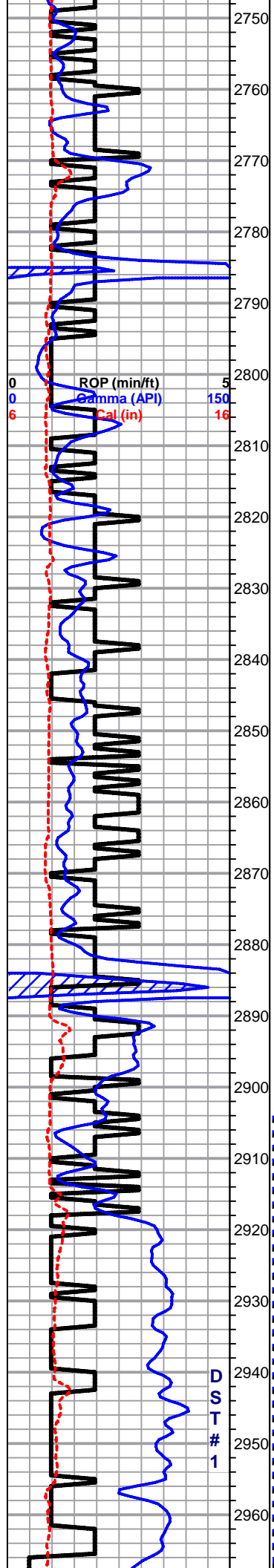
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Daily Report	DST Int
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Horizontal Log File	
Core Log File	
Drill Cuttings Rpt	

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TOPEKA 2623' (-859) E-LOG 2619' (-855)



Lm- Cream Tan, VF-FXLN, dense, fsl & sl oolitic, poorly dev. w/ sctrd XLN porosity

Sh- Black Maroon Lt Gray, dense, well compacted, carbonaceous, gritty & earthy, soft limey, calcareous

Lm- Cream Tan, FXLN, dense, fsl & oolitic, poorly dev. w/ micro XLN & XLN porosity, few w/ sctrd secondary recrystallized XLN porosity, well cemented, barren

Lm- Cream Off White, FXLN, fsl, sl oolitic, poorly dev. w/ micro XLN & XLN porosity, few pcs gritty sl dolomitic ls w/ sctrd lt mottling, 1-2 PCS W/ WK SPOTTY STN, NSFO, NO ODR, VRY SL GSY SHEEN

Lm- White Off White, FXLN, well cemented, few sl chalky in part, fsl & oolitic, densely packed, XLN & sctrd vry fn ppt porosity, vry clean & barren

Lm- Cream Tan Off White, FXLN, dense, vry well cemented, massive cherty ls w/ reworked appearance, poor vis. porosity, barren

Lm- Cream Buff Off White, mix of Vf Grn, dense, mud supported matrix w/o vis. porosity & VF-FXLN, dense, well cemented, poorly dev. w/ minimal vis. porosity, all barren

Lm- Off White Cream, Vf Grn VFXLN, dense well cemented mix, all clean w/ minimal vis. porosity, barren

Lm- Buff Cream, FXLN, fsl, dense, well cemented, poorly dev. w/ micro XLN & XLN porosity, some w/ sl sctrd mottling, barren

Lm- Cream Off White, FXLN, fsl, dense, well cemented, mostly tight w/ minimal vis. & micro XLN porosity, barren

HEEBNER 2885' (-1121) E-LOG 2882' (-1118) Sh- Black Lt Gray, fissile, carbonaceous, soft, silty & calcareous

Sh- Maroon Lt Gray Lm Green, gritty & earthy, silty, calcareous

TORONTO 2901' (-1137) E-LOG 2899' (-1135) Lm- Cream Off White, FXLN, fsl, poorly dev., sl mottled, sctrd micro XLN porosity, few pcs w/ secondary recrystallized porosity, barren

Lm- White, VFXLN, dense, vry clean, mostly well cemented, chalky in part, some w/ recrystallization inclusions, poor vis. porosity, BLK DO STN, FLAKEY, NSFO, NO ODR

DOUGLAS SHALE 2917' (-1153) E-LOG 2914' (-1150) Sh- Maroon Brown Lt Gray, gritty & earthy, dense & blocky, soft, silty & calcareous

Sh- A/A w/ increasing amount of maroon

Sh- Lt Gray, soft, silty, calcareous, some micaceous, some sl sandy lime

Sh- Gray Maroon- gummy argillaceous clumps & wash

DOUGLAS SAND 2964' (-1200) E-LOG 2956' (-1192) Ss- Semi-Clear Frosted, Fn-Med Grn, mix of sl unconsolidated & chaly. mod. certed. skld w/ glauconite, sctrd intergranular porosity

SHORT TRIP
SURVEY 1 3/4 dgr
STRAP +0.44'

DST #1
DOUGLAS SAND
2905' - 2985'

mix of sh unconsolidated & shaley, mod. sorted, skld w/ glauconite, sctrd intergranular porosity, & consolidated Med Grn, sorted, sub-angular, mod dev. clean, LT BRWN STN, NSFO, BRT YLW FLOR UNON CRUSH, SOME W/ STRM WET CUT, FR ODR, SL OIL SCUM ON TOP OF WET CUP

40" SMPL- Ss- Frosted, Fn Grn, consolidated & well sorted, sub-angular, lt skld w/ glauconite, constant intergranular porosity, SAT DRK STN, FR SFO, FR ODR, BRT YLW FLOR & STRM WET CUT, FR OIL SCUM ON WET CUP

Sh- Lt Gray, soft, silty, calcareous

BROWN LIME 3011' (-1247) E-LOG 3010' (-1246) Lm- Tan, FXLN, dense, well cemented, fsl, poorly dec. w/ XLN porosity, barren

Sh- Maroon Brown, gritty & earthy, dense & blocky

LKC 3037' (-1273) E-LOG 3028' (-1264) Lm- Cream Tan, FXLN, dense, mostly well cemented & tight, sctrd micro XLN & XLN porosity, few pcs of dense mud supported matrix, chalky in part

Lm- Cream Off White, FXLN, dense, well cemented, fsl & poorly dev. sctrd XLN porosity, some w/ sctrd secondary recrystallization porosity, WK SPOTTY STN, NSFO, TR GSY SHEEN, NO ODR

Sh-Lt Gray, silty & calcareous, gummy lm green wash

Lm- Cream Off White, FXLN, dense, poorly dev. oolitic, well cemented, mostly tight w/ sctrd XLN porosity, SCTRDR WK BLK STN, NSFO, FNT ODR

Lm- Buff Tan, FXLN, fsl & oolitic, sl dev. w/ sctrd XLN & vry fn ppt interoolitic porosity, sl bioclastic, WK SPOTTY BLK STN, FLAKEY, SL GSY SHEEN, FNT ODR

Lm- Cream Off White, VFXLN, dense, sl cherty ls, vry well cemented, mostly tight w/ sctrd micro XLN porosity, barren

Lm- Cream Tan, FXLN, sl fsl, massive, vry well cemented, poorly dev. w/ minimal vis. porosity, barren

Lm- Buff Tan, FXLN, densely packed oolites, poorly dev & vry well cemented, mostly tight w/ micro XLN & sctrd XLN porosity, barren

Lm- Cream Off White, Vf Grn-FXLN, dense, poorly dev. oolitic, oolitic to chalky sl oolitic, poor vis. porosity, barren

Lm- Cream Tan, FXLN, dense, vry well cemented, oolitic / sl oomoldic w/ sctrd vry partial skeletal dissolution, sctrd XLN & fn ppt porosity, SCTRDR DRK BRWN STN, TR SFO, GSY SHEEN, STRNG SULPHURIC ODR, FR OIL SCUM ON WET CUP, some soft white chalk pcs

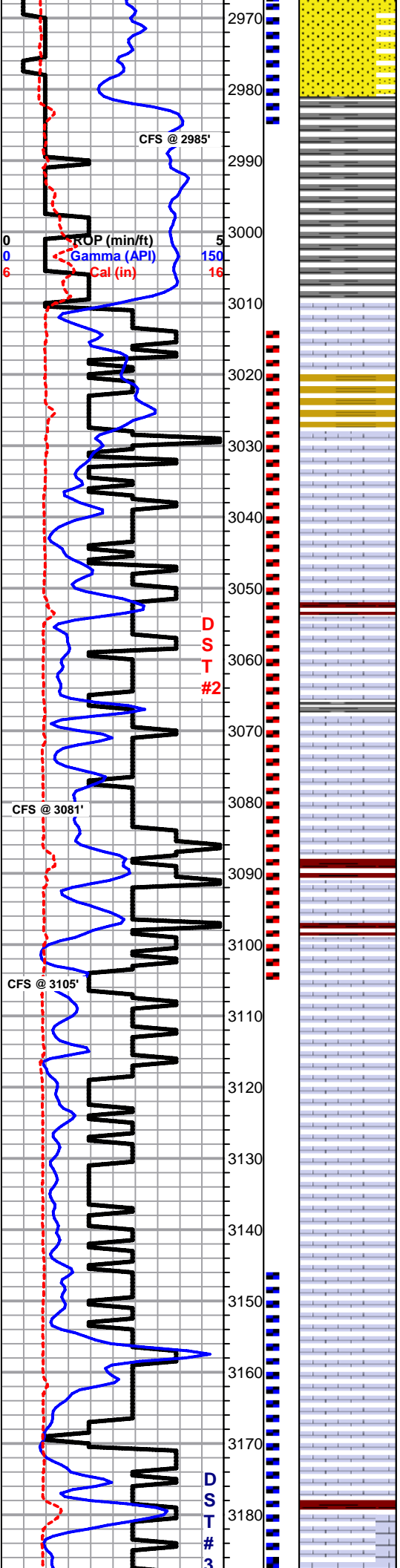
Lm- Cream Tan, Vf-Fn Grn, dense, loosely cemented, poorly dev. intergranular vis. porosity, chalky in part, barren

Sh- Black Maroon Lt Gray, fissile, soft, carbonaceous, silty, soft, & calcareous, gritty & earthy

Lm- Cream Off White, FXLN, fsl & oolitic/oomoldic, mod dev. w/ sctrd fn ppt & sctrd small vuggy porosity w/ recrystallization amongst vugs, partial skeletal dissolution, no intermoldic connectivity, SCTRDR LT BRWN STN, SFO, SOME W/ GSY BUBBLES, FR-GD ODR

Sh- Maroon Lm Green, dense & blocky

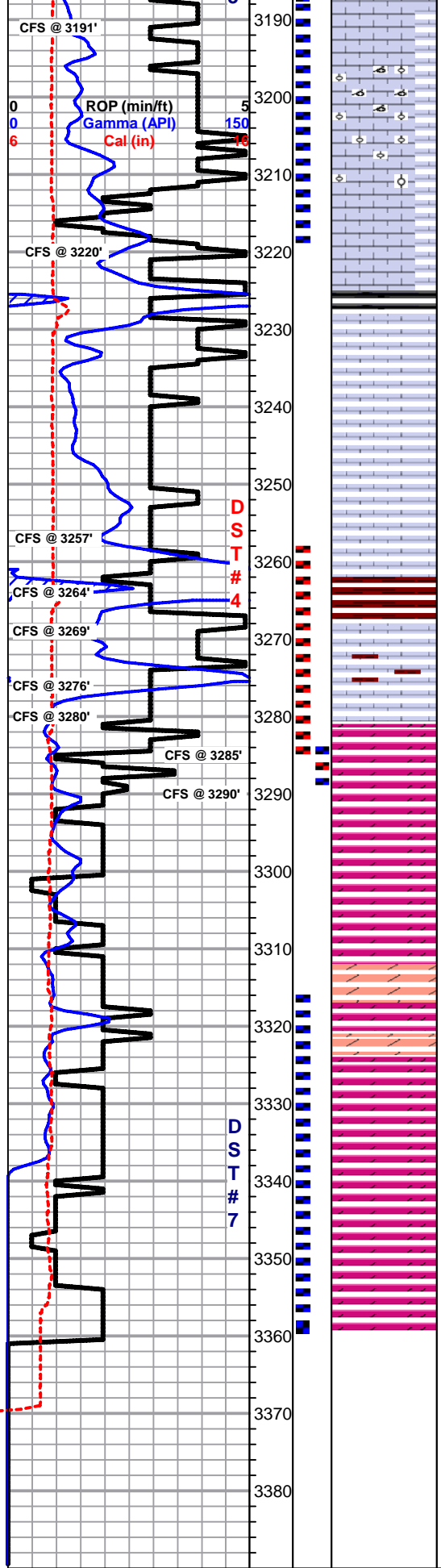
Lm- Tan, VFXLN, dense, sl gritty dolomitic ls, mostly tight w/ micro XLN & sctrd vry fn ppt porosity, SCTRDR DRK STN, NSFO, FNT ODR



DST #2
LKC A - F
3015' - 3105'

SURVEY 1 1/2 dgr

DST #3
LKC H-J
3147' - 3220'



porosity, SCTRDRK STN, NSFO, FNT ODR

Lm- Cream Off White, FXLN, dense, fsl, well cemented, sctrd XLN porosity, barren

Lm- Cream Off White, FXLN, fsl & oolitic w/ some sctrd oomoldic vugs, mod well dev., sctrd fn ppt porosity, well cemented, DRK BRWN STN, FR SFO, SOME GSY BUBBLES, GD-STRNG SULPHURIC ODR, transgressing into densely packed oolitic ls w/ minimal vis. porosity & oolitic biomicrite w/o vis porosity & barren

Lm- Cream Tan, FXLN, dense, vry well cemented, sctrd XLN porosity, TR LT STN, NO SFO, FNT-FR ODR

STARK SHALE 3214: (-1450) E-LOG 3225' (-1461) Sh- Black Maroon, silty, sl trashy, carbonaceous, gritty & earthy

Lm- Cream Off White, FXLN, dense, loosely cemented, sl chalky in part, sctrd-mostly consistant vry fn ppt & dense fenestral porosity, DRK STN, SL FLAKEY, NSFO, FR-STRNG ODR

Lm- Tan, VFXLN, dense, vry well cemented, sub-lighographic, no vis. porosity

Lm- Cream Off White, Vf-Fn Grn, dense mud supported matrix, no vis. porosity, barren, chalky in part

BKC 3261' (-1497) E-LOG 3263' (-1499) Sh- Maroon Lm Green Lt Gray, gritty & earthy, limey wash, silty & fsl, calcareous

Sh/Chert- limey calcareous, pebbly & fsl lm green & lt gray, some dense & blocky, waxy lm green, few pcs of salmon & translucent fresh bedded chert

3276' - Sh- gummy wsh & sl sandy lime Lm- Tan, trashy, sl fsl conglomerate ls, no vis. porosity

3280' - Lm- Tan, VFXLN, dense, vry well cemented, massive, vry tight, few pcs w/ micro XLN recrystallization porosity

ARBUCKLE 3281' (-1517) E-LOG 3280' (-1516) Dol- White Cream, VF-FXLN, dense, vry well cemented, sub-sucrosic, consistant XLN porosity, LT SCTRDRK STN, FEW GLOBULES OF FREE OIL, STRNG PUNGANT SULPHURIC ODR, much barren porosity

3290' - Dol- Cream Off White, VF-Med XLN, mix of vry dense cherty dolomite w/o vis. porosity, barren, FXLN A/A, some w/ barren porosity, some w/ STN A/A, & Med XLN, well dev. & sucrosic w/ consistant ppt porosity, LT BRWN STN, SL SFO, STRNG PUNGANT ODR

Dol- White Cream, F-Med XLN, mix of sub-sucrosic poorly dev. FXLN, vry well cemented & tight w/ micro XLN porosity, barren, & well dev. sucrosic med XLN w/ consistant ppt interXLN porosity, SCTRDRK STN, SL FLAKEY, NSFO, STRNG ODR

Dol/Chert- Cream Tan, VF-Med XLN, mod. dev. sub-sucrosic, tight w/o micro XLN - fnt ppt porosity, ALL W/ SCTRDRK TO SUB-SAT STN, FLAKEY GSY STN, STRNG ODR, few pcs of oolitic smokey white/white fresh bedded oolitic chert

Dol- Cream Tan, VFXLN, dense, vry well cemented, massive cherty dolomite, some sl unconsolidated w/ white siliceous cementation, mod well dev., few pcs w/ cavernous vuggy porosity, sl recrystallization w/in vugs, SCTRDRK TO SUB-SAT STN, FR-GD SFO, STRNG ODR

Dol- Cream Tan, Med-Crs XLN, well dev. w/ GD ppt porosity, euhedral rhombs, friable, sl sctrd white Cal. cementation, few pcs sl limey dolomite, few pcs of cherty dol. A/A transistioning into more dolomitic chert, ALL W/ SCTRDRK STN, PR-FR SFO, STRNG ODR

Dol- Cream Off White, VF-FXLN, dense, well cemented, poorly dev. w/ micro XLN porosity, mostly barren

RTD 3360' (-1596) LTD 3359' (-1595) @ 03:34 10/18/2013

DST #5 ARB.jpg
 DST #6 ARB.jpg
 DST #7 ARB.jpg

**DST #4
 ARBUCKLE
 3258' - 3285'**

**DST #5
 ARBUCKLE
 3284' - 3290'**

**DST #6
 ARBUCKLE
 3285' - 3290'**

**DST #7
 ARBUCKLE
 3316' - 3359'**

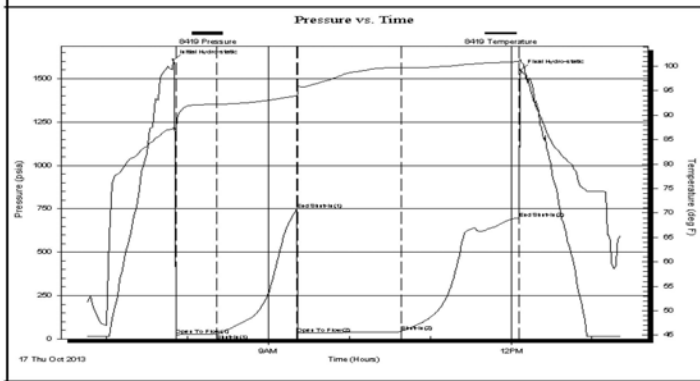
	DRILL STEM TEST REPORT	
	Trans Pacific Oil Company 100 South Main Suite 200 Wichita, Kansas 67206-3735 ATTN: Jeff Lawler	23-20s-11w Barton Kasselman #8 Job Ticket: 17095 DST#: 5 Test Start: 2013.10.17 @ 00:00:00

GENERAL INFORMATION:

Formation: Arbuckle	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Gene Budig
Time Tool Opened: 00:00:00	Unit No: 3335
Time Test Ended: 00:00:00	Reference Elevations: 1764.00 ft (KB)
Interval: 3284.00 ft (KB) To 3290.00 ft (KB) (TVD)	1754.00 ft (CF)
Total Depth: 3290.00 ft (KB) (TVD)	KB to GR/CF: 10.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

Serial #: 8419	Inside	Capacity: 5000.00 psia
Press@RunDepth: 697.70 psia @ 3286.00 ft (KB)	2013.10.17	Last Calib.: 2013.10.17
Start Date: 2013.10.17	End Date:	Time On Btm: 2013.10.17 @ 07:49:30
Start Time: 06:45:00	End Time: 13:21:30	Time Off Btm: 2013.10.17 @ 12:07:00

TEST COMMENT: 1st Opening 30 Minutes Weak building blow built to 5 inches into the water
 1st Shut-In 60 Minutes-Weak blow back
 2nd Opeing 75 Minutes- Weak building blow built to the bottom of a 5 gallon bucket in 50 minutes
 2nd Shut-In 90 Minutes Wesk blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1608.84	87.33	Initial Hydro-static
2	22.82	86.98	Open To Flow (1)
32	28.65	92.26	Shut-In(1)
92	745.69	93.96	End Shut-In(1)
93	32.28	95.72	Open To Flow(2)
169	42.43	99.82	Shut-In(2)
257	697.70	101.00	End Shut-In(2)
258	1550.91	101.30	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	500 feet of gas in the pipe	0.00
55.00	Heavy oil and gas cut mud	0.27
0.00	5%Gas 55%Oil 40%Mud	0.00

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

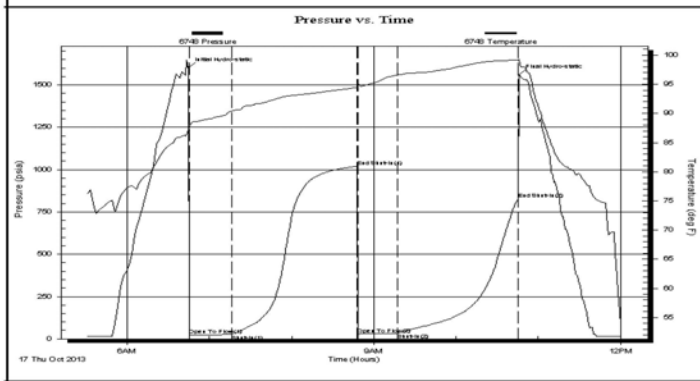
	DRILL STEM TEST REPORT	
	Trans Pacific Oil Company 100 South Main Suite 200 Wichita, Kansas 67206-3735 ATTN: Jeff Lawler	23-20s-11w Barton Kasselman #8 Job Ticket: 17096 DST#: 6 Test Start: 2013.10.17 @ 00:00:00

GENERAL INFORMATION:

Formation: Arbuckle	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Gene Budig
Time Tool Opened: 00:00:00	Unit No: 3335
Time Test Ended: 00:00:00	Reference Elevations: 1764.00 ft (KB)
Interval: 3285.00 ft (KB) To 3290.00 ft (KB) (TVD)	1754.00 ft (CF)
Total Depth: 3290.00 ft (KB) (TVD)	KB to GR/CF: 10.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

Serial #: 6748	Outside	Capacity: 5000.00 psia
Press@RunDepth: 827.38 psia @ 3287.00 ft (KB)	2013.10.17	Last Calib.: 2013.10.18
Start Date: 2013.10.17	End Date: 2013.10.17	Time On Btm: 2013.10.17 @ 06:44:30
Start Time: 05:30:00	End Time: 12:01:00	Time Off Btm: 2013.10.17 @ 10:46:00

TEST COMMENT: 1st Opening 30 Minutes Very weak surface blow through out
 1st Shut-In 90 Minutes -no blow back
 2nd Opening 30 Minutes weabuilding blow built to 34 inches into the waterk
 2nd Shut-In 90 Minutes no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1603.27	87.23	Initial Hydro-static
1	22.61	87.84	Open To Flow (1)
32	25.72	90.39	Shut-In(1)
123	1018.91	94.46	End Shut-In(1)
124	28.64	95.14	Open To Flow(2)
153	32.99	96.57	Shut-In(2)
242	827.38	99.16	End Shut-In(2)
242	1560.49	99.30	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
90.00	Gas in the pipe	0.44
15.00	Oil and gas cut mud	0.07
0.00	2%Gas 18%Oil 80%Mud	0.00

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

	DRILL STEM TEST REPORT	
	Trans Pacific Oil Company 100 South Main Suite 200 Wichita, Kansas 67206-3735 ATTN: Jeff Lawler	23-20s-11w Barton Kasselman #8 Job Ticket: 18571 DST#: 7 Test Start: 2013.10.18 @ 05:05:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:25:30
 Time Test Ended: 12:07:30

Interval: 3317.00 ft (KB) To 3360.00 ft (KB) (TVD)
 Total Depth: 3360.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-42

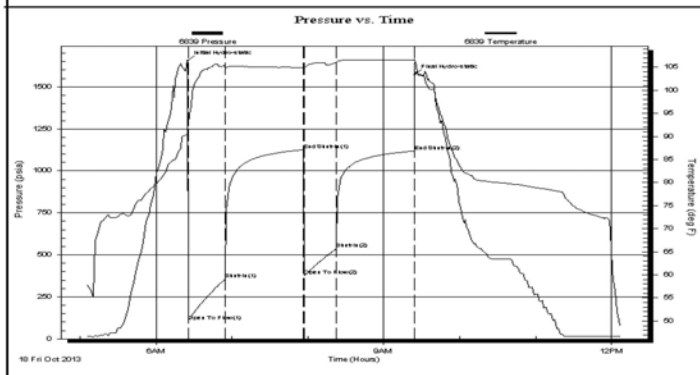
Reference Elevations: 1764.00 ft (KB)
 1754.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6839 Outside

Press@RunDepth: 535.97 psia @ 3357.00 ft (KB)
 Start Date: 2013.10.18 End Date: 2013.10.18
 Start Time: 05:05:00 End Time: 12:07:30

Capacity: 5000.00 psia
 Last Calib.: 2013.10.19
 Time On Btm: 2013.10.18 @ 06:25:00
 Time Off Btm: 2013.10.18 @ 09:24:30

TEST COMMENT: 1st Open 30 minutes Strong blow blew off bottom bucket 2.5 minutes.
 1st Shut in 60 minutes No blow back
 2nd Open 30 minutes Strong blow built to the bottom of a 5 gallon bucket of water in 2.5 minutes.
 2nd Shut in 60 minutes Yes blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1653.98	91.69	Initial Hydro-static
1	104.12	92.79	Open To Flow (1)
30	354.74	104.82	Shut-In(1)
92	1125.33	104.94	End Shut-In(1)
93	375.98	104.86	Open To Flow(2)
118	535.97	106.08	Shut-In(2)
179	1118.17	106.51	End Shut-In(2)
180	1572.89	106.71	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
427.00	Gassy oil cut mud	4.92
0.00	Oil 3 % Gas 20% Mud 77%	0.00
305.00	Gassy oil cut muddy water	4.28
0.00	Oil 2% Gas 10% Mud 43% Water 45%	0.00
427.00	Oil spotted gassy water	5.99
0.00	Gas 20% Water 80%	0.00

Gas Rates			
	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)