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KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION NOV 1 5 2010

June 2009

Form Must Be Typed
KCC WICH Farm must be Signed
Must Be Typed
Must Be Ty

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

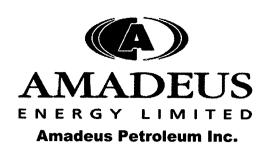
OPERATOR: License # 33699	API No. 15 - 18523620 -0000
Name:T-N-T Engineering Inc.//	Spot Description:
Address 1: 9250 E Costilla Ave. Ste. 510	W2_SW_SW_SW_ Sec. 17 Twp. 22 S. R. 12 ☐ East West
Address 2:	
City: Englewood State: CO Zip: 80112 +	185 Feet from East / West Line of Section
Contact Person: Christian Paramo	Footages Calculated from Nearest Outside Section Corner:
Phone: (303) 253-7840	□NE □NW □SE ☑SW
CONTRACTOR: License # 33323	County: Stafford
Name: Petromark Drilling LLC	Lease Name: Daniels-Teichman Unit Well #: 1
Wellsite Geologist: James C. Musgrove	Field Name: Wildcat
Purchaser: Coffeyville	Producing Formation: Arbuckle
Designate Type of Completion:	Elevation: Ground: 1871 Kelly Bushing:
✓ New Well Re-Entry Workover	Total Depth: 3870 Plug Back Total Depth: 3814
✓ Oil □ wsw □ swd □ slow	Amount of Surface Pipe Set and Cemented at: 688 Feet
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set:Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: 16,000 ppm Fluid volume: 480 bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Dewatering method used: Disposal Well
Conv. to GSW	
☐ Plug Back: Plug Back Total Depth ☐ Commingled Permit #:	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name: Bob's Hauling Svc
SWD Permit #:	Lease Name: Siefkes License #: 33779
ENHR Permit #:	QuarterSec. <u>13</u> Twp. <u>22</u> S. R. <u>12</u> ☐ East ✓ West
GSW Permit #:	County: Stafford Permit #: 1518523620
5/18/2010 5/25/2010 7/12/2010	
Spud Date or Date Reached TD Completion Date or Recompletion Date	
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workover or copused two of this form will be held confidential for a period of 12 months if requiality in excess of 12 months). One copy of all wireline logs and geologist we BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 for	onversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information uested in writing and submitted with the form (see rule 82-3-107 for confidential report shall be attached with this form. ALL CEMENTING TICKETS MUST
AFFIDAVIT	KCC Office Use ONLY
am the affiant and I hereby certify that all requirements of the statutes, rules and r	egu-

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature:	2
Title: Geologist	Date:////// 2010

KCC Office Use ONL	Monted
Letter of Confidentiality Received Date: 119/10 - 11917	Meilipliops
Confidential Release Date: Wireline Log Received	
Geologist Report Received UIC Distribution	
ALT 1 II III Approved by:	Date: 11/16/10

Operator Name: T-N	N-T Engineering Inc.	/Amadeus Petroleum In	IC. Lease I	Name: _	Daniels-Teid	chman Ui	nitwell#:1_		
Sèc. 17 Twp. 22	2 s. r. <u>12</u>	☐ East	County	: Staf	ford				:
time tool open and cl recovery, and flow ra	losed, flowing and shi	nd base of formations per ut-in pressures, whether s est, along with final chart(Il well site report.	shut-in pres	sure rea	ched static level,	hydrostatic (oressures, bottom	hole tem	perature, fluid
Drill Stem Tests Take		✓ Yes No		⊘ L	og Formatio	n (Top), Dep	th and Datum		Sample
Samples Sent to Geo	ological Survey	☐ Yes 🗸 No		Nam	ne Anhydrite		Тор 700		Datum 1176
Cores Taken		☐ Yes ☑ No		Tope	-		2910		1034
Electric Log Run Electric Log Submitte	od Electropically	✓ Yes □ No □ Yes □ No		Heeb			3205		1329
(If no, Submit Cop	•	fesNo		Toror	nto		3224	_	1348
List All E. Logs Run:				Brow	n Lime		3340	-	1464
CDNL, DIL, N	IL, and Sonic			Lans	ing		3353	-	1477
				Arbu	ckle		3751	-	1875
		CASING Report all strings set-	RECORD	√ No		on etc			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig	ght	Setting Depth	Type of Cement			and Percent Additives
Surface	12 1/4"	8 5/8"	23#	,,,	685'	Common			GCC, 1/4#/sx Flow seal
Production	7 7/8"	5 1/2"	14#		3862'	AA-2	175	10%sali, 3%	CFR, .25%defmr, .8%FLA
			1			70.2		-	
	<u> </u>	ADDITIONAL	CEMENTIN	NC / SOI	IFEZE BECORD				
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks		JEEZE RECORD	Туре а	and Percent Additives	3	
Protect Casing Plug Back TD					NA				
Plug Off Zone							, , , , , , , , , , , , , , , , , , ,		·
Shots Per Foot		ION RECORD - Bridge Plug Footage of Each Interval Per					ment Squeeze Reco	rd	Depth
4	Arbuckle 3750'	- 54'			Ac 250 gal 7.5 % MCA 3750				
4	Arbuckle 3778'	- 82'			Ac 250 gal 7.5% MCA 3778-37				
	Bridge Plug @	3770'			RECEIVED 3770'				
							NOV 1 5 20	110	
								17F A	
TUBING RECORD:	Size: 2 7/8"	Set At: 3804'	Packer At	t:	Liner Run:		CC WICH	HA	
Date of First, Resumed 7/13/2010	Production, SWD or EN	IHR. Producing Meth	hod:	g 🔲	Gas Lift 0	ther (Explain)	1000		
Estimated Production Per 24 Hours	0il 7.5	Bbls. Gas	Mcf	Wate	er 8b 3.5	ols.	Gas-Oil Ratio		Gravity
DISDUST	ON OF GAS:		METHOD OF	COMPLE	TION:		PDODUCT	ON INTER	D. / A.L .
Vented Solo			METHOD OF	Dually		ımingled	PRODUCTION 2750'-54'	או אכ INTER	.VAL:
	bmit ACO-18.)	Other (Specify)	::: L	(Submit A		nit ACO-4)	<u> </u>		



TNT Engineering Inc.

November 9, 2010

Kansas Corporation Commission 130 S. Market, Room 2078 Wichita, KS 67202

RE:

Well Completion (form ACO-1)

API: 15-185-23620

Daniels-Teichman Unit #1

Sec. 17-T22S-R12W, Russell Co., KS

Dear Sir:

Enclosed please find the original and two copies of the Well Completion Form ACO-1, DST reports, cement tickets and one copy of the Geologist Report, Microlog, Sonic Log, Comp Dens/Neutron PE Log, and Dual Induction Log for the above-referenced well.

We are herewith requesting that all information on pg. 2 be kept confidential for a period of twelve months.

If you have questions or require additional information, please contact either Ann Verzeletti (Engineer) or myself at 303-253-7840 or cparamo@amadeuspetroleuminc.com

Sincerely,

Christian Paramo

Geologist

Amadeus Petroleum Inc.

9250 East Costilla Ave. Ste.510

Englewood, CO 80112

RECEIVED NOV 1 5 2010





TREATMENT REPORT

																
Customer_	ENSI	Neer	טע'י,	}	L	ease No	•			•	Date					
Lease	- 0	c h m	(đ	٧	/ell #					ک_ [) =	10			
Field Order	# Statio							Casing	Depth	65	Count	y + 1	Legal De		State	<u></u>
Type Job	1/2 L.S.			· · · · · · · · · · · · · · · · · · ·				Na	Formation	387	()	777		escription		
PIP	E DATA	Р	ERF	ORAT	ΓING	DATA		FLUID (,			TREA		RESUME		· ·
Casing Size	Tubing Si	ze Sh	ots/Ft	i		OBB	, Ac	id KCC-	2%		RATE	PRE	SS	ISIP		
Depth 3865	Depth	Fro	m			2 BE	Pr	e Pad Mud Fl		Max				5 Min.	-	
Volume 73 BB/	Volume	Fro	m		To /	755	Pa			Min He				10 Min.		
Max Press / シップ	با Max Pres	s Fro	m		То	50	Fr		190 20	Avg /	100	2	W. V	15 Min.		
Well Connecti	on Annulus \	/ol. Fro	m		То			5-6-7		HHP Use			<u></u>	Annulus P	ressure	
Plug Depth ろんプリン	Packer D		m		То		Flu	ush Yo KCL		Gas Volu	me			Total Load	j	
Customer Re	presentative	ch C	000	2		Station	n Mar	nager Co+	4,		Trea	ater	ייבור איני	F.We	46	
Service Units		1995	VV	209.	ου	1996		19918	/			· · · · · · · · · · · · · · · · · · ·				
Driver. Names	werth	Jup		Mel		Del		Phye.								
Time	Casing Pressure	Tubin Pressu			s. Pum	ped		/ Rate				Servi	ce Log 🖟	etron	1ACK	
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	!	<u> </u>							Basket.	s - ≢/	4 -	#14				
		! 							TAS BO	2 Hom	Pi	c K46	2 2	FT.		
800			·					• .	1100K.40	+ c. a	w/	Rig	V R	otate.	Pipa	٥.
900	2004				70			5	Pump	20 BB	36,	2 %	KC		<u> </u>	
					12	- .			Pump	12 13	31	muc	1. Flu	54		
-			.		3		-	<u>5</u>	Pamp	3 BB	54	1/2	SPA	10-		
		·						b	Pump	. * m.	× / /	225	rs A	A2-c.	Program)	to 15,
<u> </u>					12	2			FINISL	ninis	<u> </u>	WA	54 c	rut Pu	mpy	Live
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			- 1						l . /	Allen	1	70	(1)	0/-		

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 3687

Cell 785-324-1041								
Sec	1 1	Range	1 -	County	State		On Location	Finish
Date 5-19-10 1	7 22	12	371	FFORO	K5			8,15 AM
LeasePAMIELS-TEICHMAN	Well No.		Location	on K-19	HE.	25 E	AN INT	<u>//</u>
Contractor PETROPARIC	2			Owner				
Type Job 38C				To Quality Oil	lwell Cementin	ig, Inc. o rent cem	enting equipment	and furnish
Hole Size 1214	T.D.	88		cementer and	d helper to ass	ist owner	or contractor to do	work as listed.
Csg. 8 1/8 23	Depth	<u> </u>		Charge 7	NT			
Tbg. Size	Depth			Street				·
Tool	Depth		·	City	·	S	tate	
Cement Left in Csg.	Shoe Joint	40.6	<u>,3 </u>	The above was	s done to satisfa		upervision of owner	agent or contractor.
Meas Line	Displace	41.45	<u>-</u>			СЕМЕ	NT 1/2	1 CF
	IPMENT			Amount Orde	ered 350	Ca	mman 2%	GEL 340CC
Pumptrk 5 No. Cementer-Helper	INDA	4		Common 3	350			
Bulktrk 17 No. Driver	160	<u> </u>		Poz. Mix				
Bulktrk PU No. Driver Driver	Off)	4) [Gel. 6			·	
	ES & REMARK	S		Calcium /	2			
Remarks:		بير	•	Hulis				·
RUN 16 J13	234 2	8 28 3	TC.	Salt				
Bapple 1 St 40.	63			Flowseal 8	71			
Mrs L Pana	Š	Conn	21					
296 (21 290 CC	1/4" PF		<u> </u>					
156/001 1.36-413		····		Handling 3	68			
12 10 10 1 2 2 2 3 3 -				·	B .08 R	ers.	Roy M.18	
SHUT DOWN								
Release Rubbse	- Plus			35	B FLOAT E	QUIPMENT	RECEIV	ED
•				Guide Shoe				
DISP B	as tobe	C		Centralizer			NOV 15	2010
				Baskets			KCC WIC	HITA
				AFU Inserts				
				B	OFFIE	PLATE	2	
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DRILL STEM TEST REPORT

T-N-T

Daniels- Teichman #1

3711 Maplew ood, Ste. 201 Wichita Falls, Texas 76308 17-22s-12w Stafford

Job Ticket: 36904

DST#: 1

ATTN: Josh Austin

Test Start: 2010.05.23 @ 09:07:12

GENERAL INFORMATION:

Formation:

Conglomerate/Viola

Deviated:

No

Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole

Tester:

Jerry Adams

Unit No: 45

Time Tool Opened: 10:45:12

Time Test Ended: 16:06:42

3575.00 ft (KB) To 3670.00 ft (KB) (TVD)

Reference Elevations:

1876.00 ft (KB)

Interval: Total Depth:

3670.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

1871.00 ft (CF) 5.00 ft

Hole Diameter: Serial #: 6798

Press@RunDepth:

Inside

72.25 psig @

3583.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2010.05.23 09:07:13 End Date: End Time:

2010.05.23 16:06:42

Last Calib.: Time On Btm: 2010.05.23

Time Off Btm:

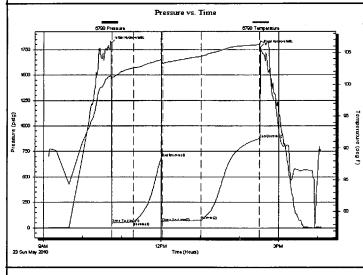
2010.05.23 @ 10:43:42 2010.05.23 @ 14:31:42

TEST COMMENT: IF: Weak blow . Built to 10 1/2".

ISI:No blow.

FF:Strong blow . B.O.B. in 90 secs.

FSI:No blow.



PRESSURE SUMMARY

1	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
1	Time	Pressure	Temp	Annotation				
ı	(Min.)	(psig)	(deg F)					
ı	0	1812.04	101.60	Initial Hydro-static				
ı	2	43.96	101.21	Open To Flow (1)				
ı	34	55.48	102.60	Shut-In(1)				
ı	77	688.26	103.87	End Shut-in(1)				
I	78	57.17	103.24	Open To Flow (2)				
ı	137	72.25	104.45	Shut-In(2)				
ı	227	877.11	106.23	End Shut-In(2)				
I	- 228	1771.62	106.85	Final Hydro-static				
I				•				
I								
ı								
I				1 1				
1								
ı								

Recovery

Description	Volume (bbl)
SOCM 5%o 95%m	0.09
HG&MCO 50%g 10%o 40%m	0.77
	0.00
	SOCM 5%o 95%m

Gas Rates

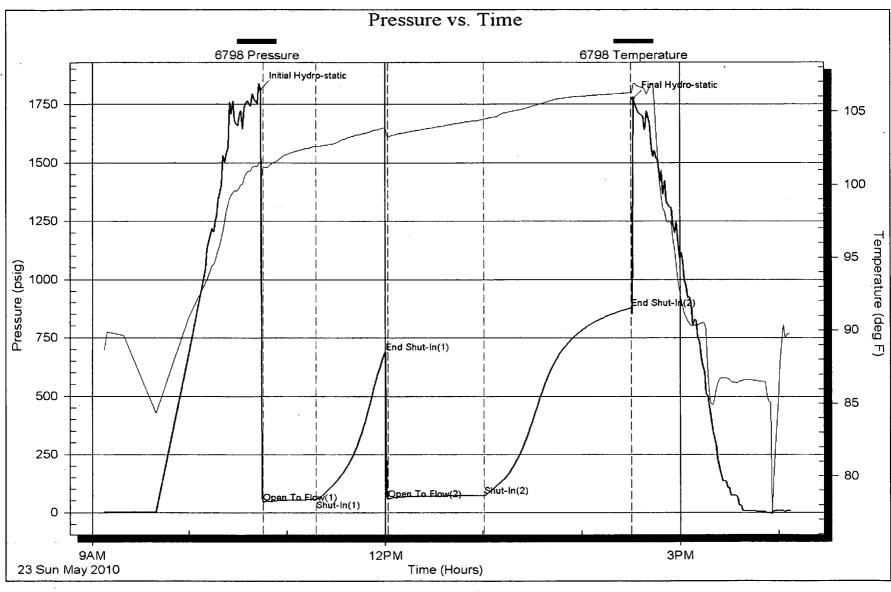
Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

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Trilobite Testing, Inc

Ref. No: 36904

Printed: 2010.05.23 @ 16:36:10 Page 1



Trilobite Testing, Inc

Ref. No: 36904

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NOV 15 2010
NOV 15 2010



DRILL STEM TEST REPORT

Daniels-Teichman #1

3711 Maplew ood, Ste. 201 Wichita Falls, Texas 76308 17-22s-12w Stafford

ATTN: Josh Austin

Job Ticket: 36905 DST#: 2

Test Start: 2010.05.23 @ 23:58:03

GENERAL INFORMATION:

Time Tool Opened: 01:19:32 Time Test Ended: 07:07:02

Formation:

Arbuckle

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole

Tester:

Jerry Adams

Unit No:

1876.00 ft (KB) Reference Elevations:

1871.00 ft (CF)

KB to GR/CF:

45

5.00 ft

Interval:

3702.00 ft (KB) To 3762.00 ft (KB) (TVD)

3762.00 ft (KB) (TVD)

Total Depth: Hole Diameter:

Serial #: 6798

Press@RunDepth:

7.88 inches Hole Condition: Fair

Inside

140.10 psig @

23:58:03

3710.00 ft (KB)

2010.05.24

Capacity:

8000.00 psig

Start Date: Start Time: 2010.05.23

End Date: End Time:

07:07:02

Last Calib.: Time On Btm: 2010.05.24

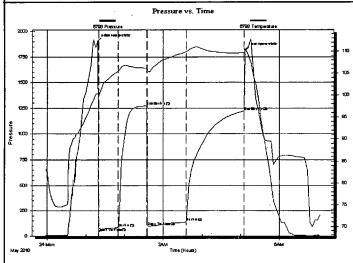
Time Off Btm:

2010.05.24 @ 01:18:32 2010.05.24 @ 05:06:32

TEST COMMENT: IF:Fair blow . B.O.B. in 12 1/2 mins.

ISI:Fair blow . Built to 9". FF:Fair blow . B.O.B. in 11 mins.

FSI:Weak blow . Built to 4", decreased to 2".



PRESSURE SUMMARY

1	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
	0	1903.14	100.29	Initial Hydro-static				
	1	42.02	99.78	Open To Flow (1)				
	32	85.37	105.39	Shut-In(1)				
	76	1273.90	106.05	End Shut-In(1)				
Ten	78	99.46	105.37	Open To Flow (2)				
Temperature	137	140.10	109.80	Shut-In(2)				
u/e	227	1220.87	109.58	End Shut-In(2)				
	228	1818.15	109.81	Final Hydro-static				
				Ť				

Recovery

Length (ft)	Description	Volume (bbl)
77.00	Gsy Oil 40%g 60%o	0.38
62.00	SG&MCO 5%g 90%o 5%m	0.47
186.00	HG&MCO 45%g 40%o 15%m	2.61
0.00	729' GIP	0.00
0.00	Grav. = 35 API @ 70 deg.	0.00

Gas Rates

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

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Trilobite Testing, Inc

Ref. No: 36905

Printed: 2010.05.24 @ 08:59:52 Page 1



DRILL STEM TEST REPORT

FLUID SUMMARY

Daniels-Teichman #1

3711 Maplew ood, Ste. 201 Wichita Falls, Texas 76308 17-22s-12w Stafford Job Ticket: 36905

DST#: 2

ATTN: Josh Austin

Test Start: 2010.05.23 @ 23:58:03

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

Water Salinity:

Viscosity:

60.00 sec/qt

Cushion Volume:

ft bbl ppm

Water Loss:

9.19 in³

Gas Cushion Type: Gas Cushion Pressure:

psig

Resistivity:

0.00 ohm.m

3000.00 ppm

Salinity: Filter Cake:

0.21 inches

Recovery Information

Trilobite Testing, Inc

Recovery Table

Length ft	Description	Volume bbl
77.00	Gsy Oil 40%g 60%o	0.379
62.00	SG&MCO 5%g 90%o 5%m	0.469
186.00	HG&MCO 45%g 40%o 15%m	2.609
0.00	729' GIP	0.000
0.00	Grav. = 35 API @ 70 deg.	0.000

Total Length:

325.00 ft

Total Volume:

3.457 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

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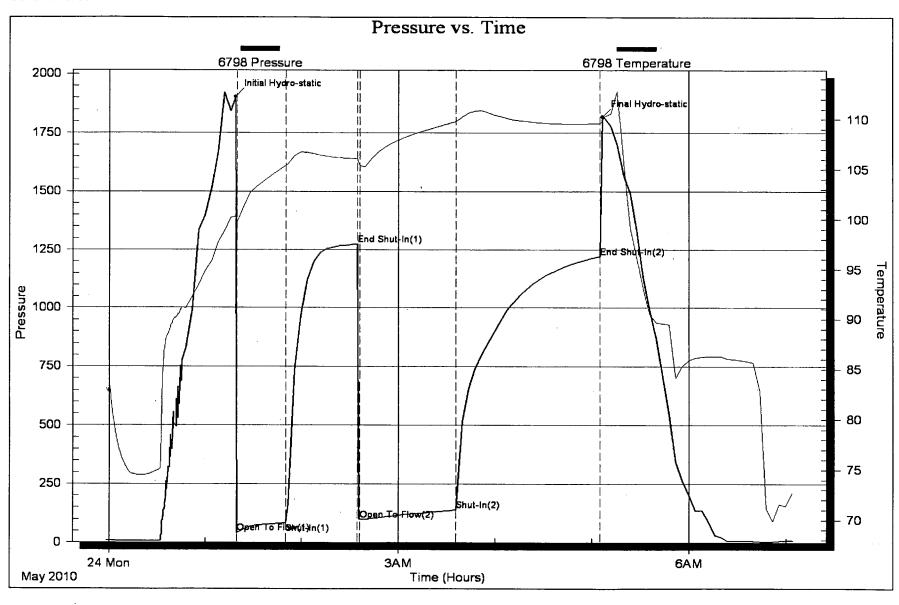


Inside

T-N-T

17-22s-12w Stafford

DST Test Number: 2



NOV 1 5 2010
KCC WICHITA

Ref. No: 36905

Printed: 2010.05.24 @ 08:59:54 Page 3

JAMES C. MUSGROVE

Petroleum Geologist 212 Main Street P.O. Box 215 Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

TNT Engineering Inc.
Daniels-Teichman Unit #1
330' FSL & 185' FWL; Section 17-22s-12w
Stafford County, Kansas
Page 1

5 1/2" Production Casing

Contractor:

Petromark Drilling Company (Rig #2)

Commenced:

May 18, 2010

Completed:

May 25, 2010

Elevation:

1876' K.B.; 1874' D.F; 1871' G.L.

Casing program:

Surface; 8/58" @ 688'

Production; 5 1/2" @ 3866' (log measurements)

Sample:

Samples saved and examined 2700' to the Rotary Total Depth.

Drilling time:

One (1) foot drilling time recorded and kept 2700 ft to the Rotary Total

Depth.

Measurements:

All depths measured from the Kelly Bushing.

Formation Testing: There were two (2) Drill Stem Tests ran by Trilobite Testing Co.

Electric Log:

By Superior Well Service; Dual Induction, Compensated Density/Neutron

Porosity Log, Micro & Sonic Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	677	+1199
Base Anhydrite	700	-1176
Topeka	2910	-1034
Heebner	3205	-1329
Toronto	3224	-1348
Douglas	3239	-1363
Brown Lime	3340	-1464
Lansing	3353	-1477
Base Kansas City	3376	-1500
Conglomerate	3620	-1744
Viola	3659	-1783
Simpson Shale	3703	-1827
Arbuckle	3751	-1875
Rotary Total Depth	3870	-1994
Log Total Depth	3867	-1991

(All tops and zones corrected to Electric Log measurements).

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

TOPEKA SECTION

KCC WICHITA

NOV 1 5 2010

2910-3204

There were several zones of well developed porosity

encountered in the drilling of the Topeka Section but no show of oil and/or gas was noticed. (See attached Sample Log.)

TNT Engineering Inc. Daniels-Teichman Unit #1 330' FSL & 185' FWL; Section 17-22s-12w Stafford County, Kansas Page 2

TORONTO SECTION

3224-3234' Limestone; white, cream, finely crystalline, chalky, dolomitic, and granular in part, trace pin point and intercrystalline porosity, trace black and brown stain, no show of free oil and no odor in fresh

sample.

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ANSING SECTION	
3353-3360'	Limestone; white, cream, fossiliferous race spotty black and dark brown stain, no show of free oil and no odor in fresh sample.
3377-3384'	Limestone; gray, slightly oolitic, chalky, tan intercrystalline type porosity black stain, trace of free oil and very faint odor in fresh sample.
3397-3401	Limestone; tan, cream, fossiliferous/oolitic in part, fair pin point and intercrystalline porosity, golden brown stain, trace of free oil and faint odor in fresh sample.
3418-3440'	Limestone; gray, cream, finely crystalline, poor visible porosity, fossiliferous, no shows.
3431-3440	Limestone; cream, gray, oolitic, chalky, poor visible porosity, trace of free oil and very faint odor in fresh sample.
3442-3450	Limestone; tan, oomoldic, chalky, fair oomoldic porosity, questionable brown stain, no show of free oil and no odor in fresh sample.
3450-3480'	Limestone; gray, cream, finely crystalline, chalky, poor visible porosity, no shows.
3491-3497'	Limestone; cream, tan, finely oolitic, few oomoldic, chalky, questionable brown stain, no show of free oil and no odor in fresh sample.
3505-3512'	Limestone; gray, cream, oolitic, dense, poorly developed porosity, no shows.
3520-3530'	Limestone; white, finely crystalline, chalky, poor visible porosity, trace brown stain, trace of free oil and very faint odor in fresh sample.
3530-3541'	Limestone, cream, white, highly oolitic, dense, trace black stain, no show of free oil and no odor in fresh sample.
3548-3553'	Limestone, cream and white, finely crystalline, chalky, trace vuggy porosity, brown and golden brown stain, slight show of free oil and very faint odor in fresh sample.

MARMATON SECTION

Limestone; cream, chalky, oolitic, in part, few scattered porosity. 3600-3611'

brown stain, trace of free oil and no odor in fresh sample.

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3631-3633'

CONGLOMERATE SECTION

Sand; white, quartzitic, very fine grained, friable, calcareous iKCC WICHITA part, sub rounded and sub angular, brown and black stain, no show of free oil and no odor in fresh samples.

TNT Engineering Inc. Daniels-Teichman Unit #1

330' FSL & 185' FWL; Section 17-22s-12w

Stafford County, Kansas

Page 3

3651-3654'

Sand; very fine grained, sub rounded, sub angular, friable, trace

brown stain, show of free oil and questionable odor in fresh

samples.

VIOLA SECTION

3659-3667'

Chert; white and cream, fresh, few semi-tripolitic, black edge staining, no show of free oil and weak odor in fresh samples.

Drill Stem Test #1

3575-3670' (3572-3667' log measurements)

Times:

30-45-60-90

Blow:

Weak

Recovery:

19' slightly oil cut mud

(5% oil, 95% mud)

121' heavy gas cut and oil cut mud

(50% gas, 10% oil, 40% mud)

Pressures: ISIP

688

psi

FSIP 877 IFP 44-55 psi psi

FFP 57-72

HSH 1812-1792

psi psi

3667-3680'

Chert; white/cream, fresh, boney, trace pinpoint porosity, few

weathered, black and brown stain, show of free oil and gassy

odor in fresh samples.

3680-3700'

Chert; white, fresh, boney, few with brown edge staining, no

show of free oil and fair odor in fresh samples.

SIMPSON SECTION

3719-3728'

Sand; tan, medium grained, quartzitic, dolomite in part, fair

porosity, brown stain, show of free oil and fair odor in fresh

samples.

ARBUCKLE SECTION

3751-3759'

Dolomite; cream, light gray, finely crystalline, sucrosic in part, fair

intercrystalline porosity, dark brown stain, show of free oil and

fair odor in fresh samples.

Drill Stem Test #2

3702-3762' (3748-3753' log measurements)

Times:

30-45-60-90

Blow:

Strong

Recovery:

729' gas in pipe

77' gassy oil

62' slightly gas and mud cut oil

(5% gas ,90%oil,5% mud)

186' heavy gas and mud cut oil (45% gas, 40% oil, 15% mud)

Pressures: ISIP

1274

psi

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FSIP 1221

psi

IFP 42-85 FFP 99-140 psi

psi

HSH 1903-1818

psi

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NOV 1 5 2010

TNT Engineering Inc. Daniels-Teichman Unit #1 330' FSL & 185' FWL; Section 17-22s-12w Stafford County, Kansas Page 4

3759-3771'	Dolomite; gray/tan, oomoldic, fair oomoldic porosity, brown spotty stain, show of free oil and fair to good odor in fresh samples.
3778-3790'	Dolomite; tan/cream, fine and medium crystalline, poor intercrystalline, porosity, golden brown and dark brown stain, show of free oil and faint to fair odor in fresh samples.
3790-3810'	Dolomite; cream, fine and medium crystalline, fair scattered porosity, trace black and brown stain, trace of free oil and no odor in fresh samples.
3810-3816'	Dolomite; cream white, finely crystalline, dense.
3817-3828'	Dolomite; white, cream, oomoldic, fair to good oomoldic porosity, (barren).
3830-3850'	Dolomite; cream and gray, finely crystalline, few medium crystalline, slightly sucrosic, oolitic in part, plus white boney chert.
3850-3867'	Dolomite; white/cream, fine and medium crystalline, sucrosic in part, few scattered intercrystalline and vuggy type porosity, plus white boney chert.

Rotary Total Depth Log Total Depth

3870 (-1994)

3867 (-1991)

Recommendations:

5 ½" production casing was set and cemented at 3866' (one foot off bottom, log measurements) and the Daniels-Teichman Unit #1 should be completed in the Arbuckle Dolomite. Before abandonment all zones with sample shows and porosity should be tested.

Respectfully submitted;

Øoshua R. Austin,

Petroleum Geologist

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