

Kansas Corporation Commission Oil & Gas Conservation Division

1164217

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
□ Oil □ WSW □ SIOW □ Gas □ D&A □ ENHR □ SIGW □ OG □ GSW □ Temp. Abd. □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator: Well Name: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

AFFIDAVIT

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.

Submitted Electronically

KCC Office Use ONLY								
Letter of Confidentiality Received								
Date:								
Confidential Release Date:								
☐ Wireline Log Received								
Geologist Report Received								
UIC Distribution								
ALT I II III Approved by: Date:								

Side Two



Operator Name:				_ Lease N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	☐ No ☐ No ☐ No								
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold Used on Lease Open Hole (If vented, Submit ACO-18.) Other (Specify)					Dually (nmingled mit ACO-4)			

Form	CO1 - Well Completion				
Operator	Palmer Oil, Inc.				
Well Name	UPC 23-5				
Doc ID	1164217				

All Electric Logs Run

Induction	
Porosity	
Micro	
Sonic	

ALLIED OIL & GAS SERVICES, LLC 052329 Federal Tax I.D.# 20-5975804

REMITTO			NSAS 6766			SERVICE POINT:			
	NOSS	LLL KAI	13/13 0/00	,5			Liber	12/	
DATE 9-3	-13	SEC.	TWP. 325	RANGE 34 W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH	
LEASE DE	r	WELL#	23-5	LOCATION Hunch	2 KS SN-	1114551	COUNTY	STATE	
OLD OR N				1	2011-	un, ro, cire	Sievens	1_85	
[\rightarrow		40				3		
CONTRAC	TOR	Du	ke #9		OWNER				
TYPE OF JO	OB	PTR							
HOLE SIZE			T.D.		CEMENT			, ,,,,,,	
CASING SI			DEF		_ AMOUNT O	RDERED	2 ck /6	<u> 140-4%G</u> J	
TUBING SI				TH.					
DRILL PIPE	5 4	1/2 16		TH 1800-F	_				
PRES. MAX	,		DEF			107	y . In 90	1825.80	
				IIMUM	_ COMMON_	104	17,90	1835.	
MEAS. LIN		CCC	SHC	DEJOINT	_ POZMIX _	685	ko 9.32	635	
CEMENT L PERFS.	EFIIN	CSG.			_ GEL		02340	140,20	
DISPLACE	MENT							. ———	
DISPLACE	MENT				_ ASC				
S#3		EQU	IPMENT						
PUMPTRU	CK (CEMENT	ER_K	By H					
#530-4		HELPER	Alto	E	Andrew College		- © ——	-XX	
BULK TRU			A ./-	06-	. \		- @ ———		
#774-7		DRIVER	Hallo	G (Pedro)	<u>a) ———</u>		- @ — — — — — — — — — — — — — — — — — —		
BULK TRU	0.000			(<u> </u>		
#		DRIVER			- HANDLING	176 Ft	@ 2.48	434.48	
					MILEAGE _	380 TM	1 2.00	988.00	
		RE	MARKS:		W		TOTAL	4026.48	
							IOIA	2000-	
					_	SERVI	CE		
					DEPTH OF J	ОВ			
					PUMPTRUC	K CHARGE		1250.00	
		<u> </u>			EXTRA FOO	TAGE			
Man and way					MILEAGE _	50m	to 7.2	385. ~	
					- MANIFOLD		_@		
						50ml	@ 4/40	220.	
		0,		• •			_@		
CHARGET	ro: <u> </u>	talm	×0	7			200420000	11100	
STREET		120 1001-1000			<u></u>		TOTA	ı <i>485</i> 5.ºº	
		- 10 N	er ere						
CITY		SI	ATE	ZIP		PLUG & FLOA	T EQUIPME	NT	
							@		
					3 		- è		
							_e		
To: Allied							_ @		
				nenting equipmen					
				o assist owner or	ANTES SE				
				he above work wa			TOTA	, 0	
				of owner agent or			1017		
contractor	: I hav	e read an	d understa	and the "GENERA	L SALES TAX	(If Anv)	467.5		
TERMS A	ND.C	ONDITIO	NS" liste	d on the reverse si	uc.		48	3 7 - 	
		1		0	TOTAL CHA	ARGES	881. 48		
PRINTED	NALES	Emin	dia	KoTas	DISCOUNT		IF PA	AID IN 30 DAYS	
PRINTED	NAME		<u></u>		DISCOUNT	Net - Um	5.79"		
		1-1	1. 1			7,10			
SIGNATU	RE _	KINK	y n	yao_					
	:91	•		550					



CEMENTING LOG

						CEMENT DATA
				ket No.		Spacer Type FRESH WATER Amt. Sks Yield ft²/sk Density PPG
Company	P/	UPC		DUKI		Amt. Sks Yield ft*/sk Density PPG
Lease	ST		w	ell No	23-5	
					<u> </u>	LEAD: Time hrs. Type 60/40
Field _		-31				4% TOTAL GEL Excess
	Conducto	· Dora	П	augeze	Misc.	Amt. 170 Sks Yield 1.4 ft*/sk Density 13.5 PPG
casing Date	Surface				Liner	TAIL: Time hrs. Type
Size 8	Name of the last o			24 Collai		Excess
50 SK @ 18						Amt. Sks Yield ft²/sk Density PPG
50 SK @ 61						WATER Lead 7.5 Gal/sk Tail Gal/sk Total BBLS
20 SK @ 60				3000 - 3000		
	hs Top		Bottom	17:	54	Pump Trucks Used: 530 - 484
30 SK RAT						Bulk Equipment 774 - 744
20 SK MOU						
				-		
Drill Pipe:	BBLS/	LIN. FT 0.	01422 LIN	I. FT/BBL	****	
Open Hole:			.0406 LIN	I. FT/BBL BI	F05482	Float Equipment: Manufacturer
STATE AND STATE OF STATE OF	ctors: BBLS/		10.00	I. FT/BBL		Shoe: Type Depth
Casing	BBLS/			I. FT/BBL BI		Float: Type Depth
Open Holes		LIN, FT		I. FT/BBL		Centralizers: Quantity Plugs Top Bottom
Drill Pipe	BBLS/		LIN	I. FT/BBL		Stage Collars
Annulus	BBLS/	LIN. FT	LIN	I. FT/BBL		Special Equipment
		LIN. FT	LIN	I. FT/BBL		Disp: Fluid Type Amt bbls Weight PPG
Perforation	s From		to.	ft Am	t	Mud Type Weight
COMPANY	REPRESENTAT	TIVE				CEMENTER KIRBY HARPER
TIME	PRESSL	JRES PSI	FLU	JID PUMPED I	DATA	
	DRILL PIPE		TOTAL	PUMPED PER	RATE	REMARKS
AM/PM	CASING	ANNULUS	FLUID	TIME PERIOD	BBLS/MIN	C PARTIE OF THE CONTROL OF THE CONTR
1400			ova-		 	ON LOCATION — SPOT AND RIG UP
1530			R-12 - 17 Cr			DRILL PIPE SET @ 1800 FT
1545						SAFETY MEETING
1556	200			10	4	START PUMPING 10 BBL FRESH WATER
1559	200			13	4	START MIXING 50 SK 60/40 @ 13.5 PPG
1604	200		0	1	4	START PUMPING 3 BBL FRESH WATER
1607	200		3		4	START PUMPING 18 BBL MUD
1613	_		21	A TOTAL CONTROL OF		SHUT DOWN — PULL D.P. TO 610 FT
1711	100			25	4	START PUMPING 25 BBL FRESH WATER
1718	100			13	4	START MIXING 50 SK 60/40 @ 13.5 PPG
1724	100		0	i	4	START DISPLACING WITH 5 BBL FRESH WATER
1726	-		5			SHUT DOWN PULL D.P. TO 60 FT
1836				5		MIX 20 SK 60/40 @ 13.5 PPG
1842				8		PLUG RAT HOLE WITH 30 SK 60/40 @ 13.5 PPG
1847				S		PLUG MOUSE HOLE WITH 20 SK 60/40 @ 13.5 PPG
10 m E m			Des 2			
9400 (91	100 A		C 1 -717-20076-			
					30	
			30.50 PM30			
			364F-		1	
		1.00	2050		Assembly	
7040			1709	30		
					-	

FINAL DISP, PRESS	PSI	BUMP PLUG TO	200	DIFFORMANI	2016	THE CALLY SUCCES
FINAL DICE DRECK	200	RUMP PHICTO	PSI	BLEEDBACK	BBLS	THANK YOU

St. Louis "B"



DRILL STEM TEST REPORT

Prepared For: Palmer Oil ,Inc

PO Box 399 Garden City, KS 67846

ATTN: Wyatt Urban

UPC # 23-5

23-32s-37w Stevens,KS

Start Date: 2013.09.02 @ 04:22:39 End Date: 2013.09.02 @ 15:45:34 Job Ticket #: 52846 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



Palmer Oil ,Inc

23-32s-37w Stevens, KS

PO Box 399

Garden City, KS 67846

Job Ticket: 52846

UPC # 23-5

DST#: 1

ATTN: Wyatt Urban

Test Start: 2013.09.02 @ 04:22:39

GENERAL INFORMATION:

Formation: St. Louis "B"

Deviated: Test Type: Conventional Bottom Hole (Initial) Whipstock: ft (KB)

Time Tool Opened: 07:57:19 Time Test Ended: 15:45:34

Interval:

Total Depth:

Unit No: 55

Tester: Shane McBride

3135.00 ft (KB)

Reference Elevations:

3123.00 ft (CF)

KB to GR/CF:

12.00 ft

6380.00 ft (KB) To 6431.00 ft (KB) (TVD)

6431.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Serial #: 8368 Outside

Press@RunDepth: 6381.00 ft (KB) 845.37 psig @

Start Date: 2013.09.02 Start Time: 04:22:39

End Date:

End Time:

2013.09.02

Capacity: Last Calib.:

8000.00 psig 2013.09.02

15:15:34

Time On Btm:

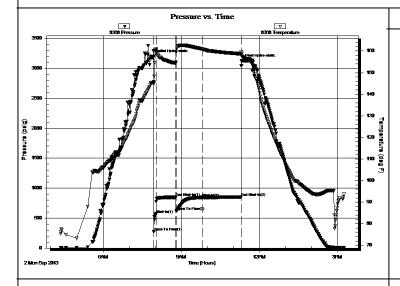
2013.09.02 @ 07:57:04

Time Off Btm:

2013.09.02 @ 11:19:19

TEST COMMENT: B.O.B. in 2 min.

No return B.O.B. in 3 min. No return



PRESSURE SUMMARY Pressure Temp Annotation

rime	Pressure	remp	Annotation
(Min.)	(psig)	(deg F)	
0	3191.44	145.66	Initial Hydro-static
1	276.55	144.90	Open To Flow (1)
6	571.04	160.56	Shut-In(1)
51	848.15	154.42	End Shut-In(1)
52	618.26	159.44	Open To Flow (2)
112	845.37	160.86	Shut-In(2)
202	850.12	158.73	End Shut-In(2)
203	3119.17	158.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)		
787.00	g w w/trace of oil 10g 90 w	9.34		
600.00	gso&mcw 10g2o5m 83w	8.42		
235.00	gsocmw 15g5o20m60w	3.30		
0.00	365' w eak gas in pipe	0.00		

Gas Rates

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

Trilobite Testing, Inc Ref. No: 52846 Printed: 2013.09.05 @ 15:39:46



Palmer Oil ,Inc

23-32s-37w Stevens, KS

PO Box 399

Garden City, KS 67846

ATTN: Wyatt Urban

Job Ticket: 52846

UPC # 23-5

DST#: 1

Test Start: 2013.09.02 @ 04:22:39

GENERAL INFORMATION:

Formation: St. Louis "B"

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Initial) ft (KB)

Time Tool Opened: 07:57:19 Time Test Ended: 15:45:34

Interval: 6380.00 ft (KB) To 6431.00 ft (KB) (TVD)

Total Depth: 6431.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter:

Tester: Shane McBride Unit No: 55

Reference Elevations: 3135.00 ft (KB)

3123.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6667 Inside

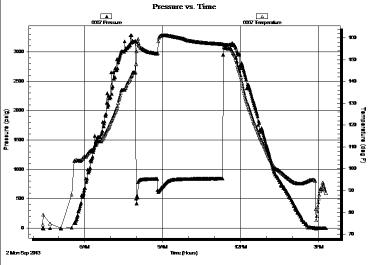
Press@RunDepth: 6381.00 ft (KB) 8000.00 psig psig @ Capacity:

Start Date: 2013.09.02 End Date: 2013.09.02 Last Calib.: 2013.09.02

Start Time: 04:22:41 End Time: Time On Btm: 15:16:41 Time Off Btm:

TEST COMMENT: B.O.B. in 2 min.

No return B.O.B. in 3 min. No return



PRESSURE S	SUMMARY
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			(LCCC)	L OOMINIATE
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
1				
Temperature (dea F)				
3				

Recovery

Length (ft)	Description	Volume (bbl)
787.00	g w w/trace of oil 10g 90 w	9.34
600.00	gso&mcw 10g2o5m 83w	8.42
235.00	gsocmw 15g5o20m60w	3.30
0.00	365' w eak gas in pipe	0.00

Gas Rates

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

Trilobite Testing, Inc Ref. No: 52846 Printed: 2013.09.05 @ 15:39:46



TOOL DIAGRAM

Palmer Oil ,Inc

23-32s-37w Stevens, KS

PO Box 399

UPC # 23-5 Job Ticket: 52846

DST#: 1

Garden City, KS 67846

ATTN: Wyatt Urban

Test Start: 2013.09.02 @ 04:22:39

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar:

Length: 6190.00 ft Diameter: Length:

0.00 ft Diameter: 187.00 ft Diameter: 3.80 inches Volume: 86.83 bbl 0.00 inches Volume: 2.25 inches Volume: Total Volume:

0.00 bbl 0.92 bbl 87.75 bbl

Tool Weight: 1500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 110000.0 lb Tool Chased 0.00 ft

String Weight: Initial 88000.00 lb

Final 102000.0 lb

Drill Pipe Above KB: 25.00 ft Depth to Top Packer: 6380.00 ft

Depth to Bottom Packer: ft Interval between Packers: 51.00 ft Tool Length: 79.00 ft

Number of Packers:

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			6353.00		
Shut In Tool	5.00			6358.00		
Hydraulic tool	5.00			6363.00		
Jars	5.00			6368.00		
Safety Joint	3.00			6371.00		
Packer	5.00			6376.00	28.00	Bottom Of Top Packer
Packer	4.00			6380.00		
Stubb	1.00			6381.00		
Recorder	0.00	6667	Inside	6381.00		
Recorder	0.00	8368	Outside	6381.00		
Perforations	11.00			6392.00		
Change Over Sub	1.00			6393.00		
Drill Pipe	32.00			6425.00		
Change Over Sub	1.00			6426.00		
Bullnose	5.00			6431.00	51.00	Bottom Packers & Anchor

Total Tool Length: 79.00

Trilobite Testing, Inc Ref. No: 52846 Printed: 2013.09.05 @ 15:39:47



FLUID SUMMARY

Palmer Oil, Inc

23-32s-37w Stevens, KS

PO Box 399

Garden City, KS 67846

UPC # 23-5

Job Ticket: 52846

DST#:1

ATTN: Wyatt Urban

Test Start: 2013.09.02 @ 04:22:39

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API

Viscosity: 62.00 sec/qt Cushion Volume: bbl

Water Loss: 7.59 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 1700.00 ppm Filter Cake: 1.00 inches

Recovery Information

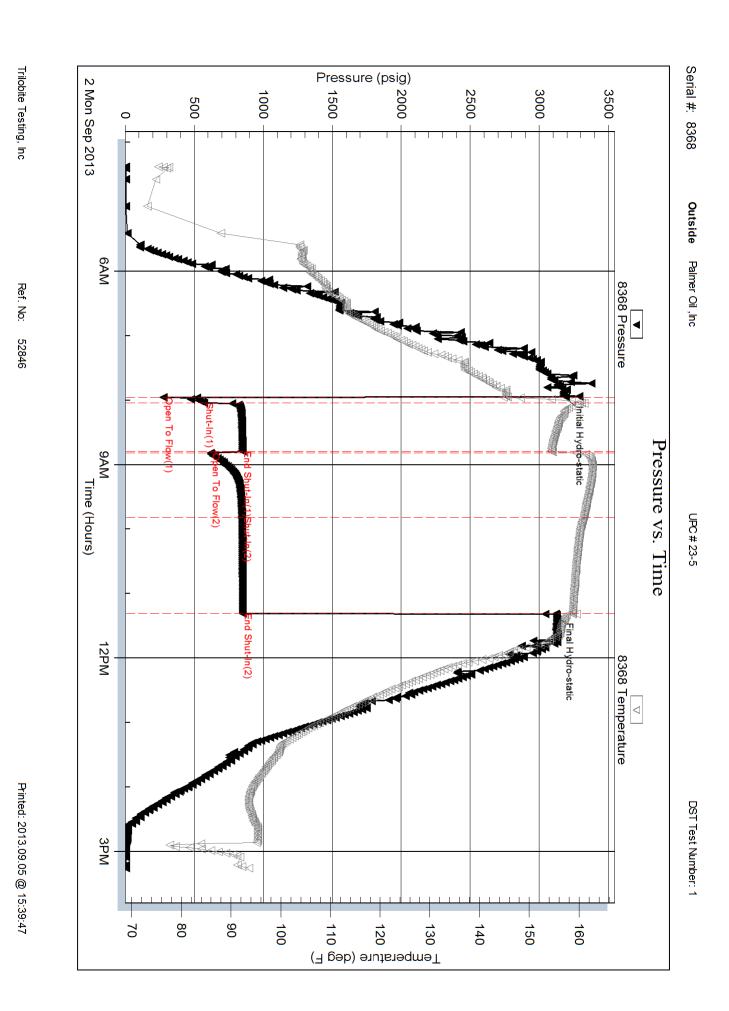
Recovery Table

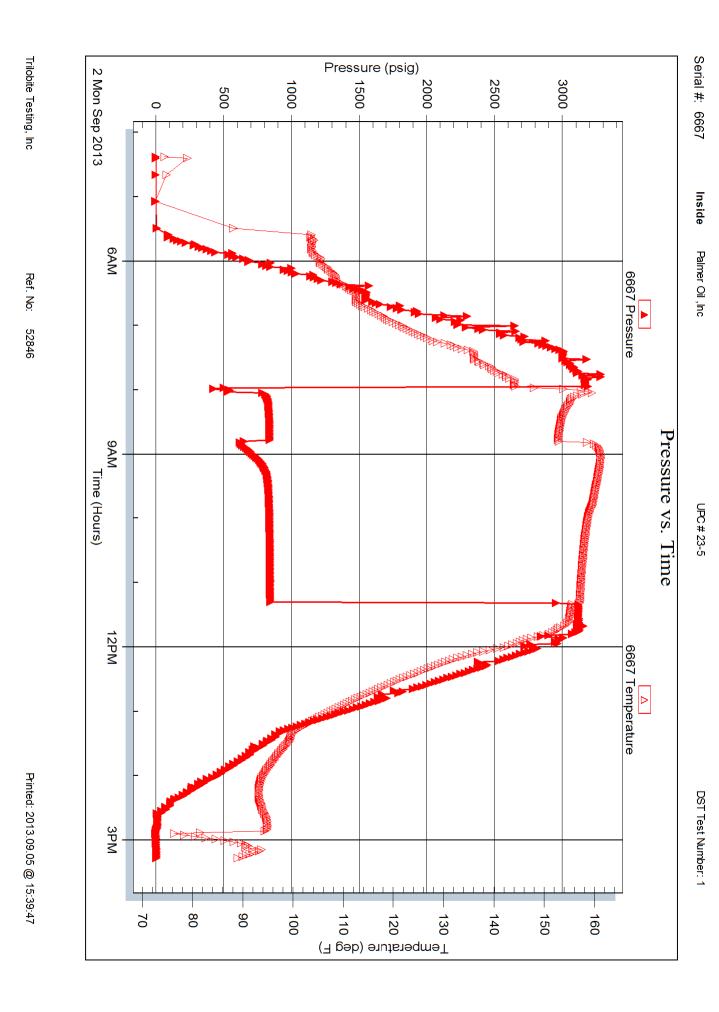
Length ft	Description	Volume bbl
787.00	g w w/trace of oil 10g 90 w	9.336
600.00	gso&mcw 10g2o5m 83w	8.416
235.00	gsocmw 15g5o20m60w	3.296
0.00	365' w eak gas in pipe	0.000

Total Length: 1622.00 ft Total Volume: 21.048 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Trilobite Testing, Inc Ref. No: 52846 Printed: 2013.09.05 @ 15:39:47







RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52846

4/10 77-09					
Well Name & No. UPC #	23-5	Test No.	<u>≠/</u>	ate 9-2-	-13
Company Talmer Oil	Inc.	Elevation	3135	KB_3/23	3′ _GL
Address 3118 N. Cunn:	1) /	der it it	6734		
Co. Rep / GeoWyatt	J , , , , , ,	Rig De	Ke#9		
/ 4	32 Rge. 37			State _	5
Interval Tested <u>U380</u>	(e43/ Zone Tex	sted 57. Louis	5 "B"		
Anchor Length	57 Drill Pipe	Run 6190'	Muc	1 Wt. 9.3	
Top Packer Depth		ars Run	Vis		
Bottom Packer Depth		Run_	WL	7.4	
		s 1700 pp		411	
Blow Description B.O.B. :-	^				
No retu	/				
0 -	3 min				
no metu	vn				
Rec 235 Feet of 9500	-mu	15 %gas	5 %oil 6		20 %muc
Rec 600 Feet of 050	13 mau	ℓ ○ %gas	2 %oil 8	3 %water	5 %muc
Rec 787 Feet of QW	W/Trofoil	/o %gas	Trace %oil	%water	%muc
Rec Feet of _365'	weak Gas mf.	Pe %gas	%oil	%water	%muc
Rec Feet of		%gas	%oil	%water	%muc
Rec Total (Le 22 BHT_	160° Gravity —	API RW . //./	@ 29°F Ch	lorides 49,5	OO ppn
A) Initial Hydrostatic 3191	X Test	1450	T-On Locati	on 03/45	5
B) First Initial Flow 276	X Jars	250		04:22	7
C) First Final Flow 571	X Safety J	oint75		07:58	
D) Initial Shut-In 848	1.5)	T-Pulled	11:18	
(E) Second Initial Flow 618	/ Hourly S	Standby			
(F) Second Final Flow 845		222 RT 344.1	Comments 0		
G) Final Shut-In 850	/.				
(H) Final Hydrostatic 3119			90 15 2	Shale Packer_	
130 2-01		acker			
initial Open 5		acker		Packer 320	
Initial Shut-In 45		ecorder	- Latitu C	0	
Final Flow 60		ndby		39.10	
Final Shut-In 90	//	bility			
1.14	11	2119.10		(61
Approved By	′ /	Our Representative	Du	411	X
Trilohite Testing Inc. shall not be liable for damaged of any kin	d the property or personnel of the o		loss suffered or sustained.	directly or indirectly, thro	ugh the use of its



NOTES

Company: Palmer Oil, Inc.

Lease: UPC 23-5

Field:

<u>Location:</u> (2250' FSL & 660'FWL)
<u>Sec:</u>23 <u>Twsp:</u> 32 <u>Rge:</u>37W
<u>County:</u> Stevens <u>State:</u> Kansas

GL: 3123' KB:3135'

Contractor: Duke Rig 9

<u>Spud: 08/25/2013</u> <u>Comp:09/03/2013</u>

RTD: 6532' LTD:6534'

Mud Up:4600' Type Mud: Chemical

Samples Saved From: 4700'

Drilling Time Kept from: 4100'

Samples Examined from: 4700'

Geological Supervision From: 4700'

Geologist On Well: Wyatt Urban

Surface Casing:8 5/8 @ 1754'

Production Casing:

Electrical Surveys: By Pioneer; DIL, CNL/CDL, Micro, Sonic

Palmer Oil, Inc. Formation Tops

PALMER OIL, INC - UPC 23-5 S2-N2-NW-SW (2250'FSL & 660'FWL)

23-32-37

	3135	KB		
Formation	Sample	Sub-Sea	Loq	Sub-Sea
Heebner	4145	-4145	4145	-1010
Lansing	4277	-4277	4280	-1145
Marmaton	4955	-4955	4946	-1811
Cherokee	5128	-5128	5130	-1995

Morrow	5638	-5638	5646	-2511
St. Gen	6223	-3088	6225	-3090
St. Louis	6314	-3179	6311	-3176
St. Louis B	6395	-3260	6392	-3257
RTD	6532	-3397	6532	-3397
LTD	6534	-3399	6534	-3399

DST #1



DRILL STEM TEST REPORT

Palmer Oil , Inc

3118 N Cummings Rd UPC # 23-5

Garden City, Ks Job Ticket: 52846 **DST#:1** 67846 ATTN: Wyatt Test Start: 2013.09.02 @ 04:22:39

Unit No:

23-32-37 Stevens, Ks

GENERAL INFORMATION:

Formation: St. Louis "B"

0.00 ft (KB) Test Type: Conventional Bottom Hole (Initial) Deviated: No Whipstock:

Time Tool Opened: 07:57:19 Tester: Shane McBride

Time Test Ended: 15:45:34

Interval: 6380.00 ft (KB) To 6431.00 ft (KB) (TVD)

Reference Bevations: 3135.00 ft (KB) Total Depth: 6431.00 ft (KB) (TVD) 3123.00 ft (CF)

KB to GR/CF: Hole Diameter: 7.88 inchesHole Condition: Fair 12.00 ft

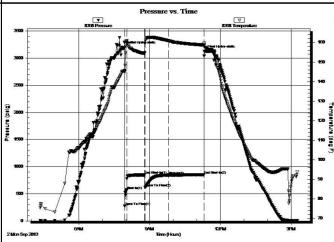
Serial #: 8368 Outside

Press@RunDepth: 845.37 psig @ 6381.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2013.09.02 End Date: 2013.09.02 Last Calib .: 2013.09.02 Start Time: 04:22:39 End Time: 15:15:34 Time On Btm: 2013.09.02 @ 07:57:04 Time Off Btm: 2013.09.02 @ 11:19:19

TEST COMMENT: B.O.B. in 2 min.

No return B.O.B. in 3 min. No return



	PRESSURE SUMMARY							
	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
	0	3191.44	145.66	Initial Hydro-static				
	1	276.55	144.90	Open To Flow (1)				
	6	571.04	160.56	Shut-ln(1)				
-	51	848.15	154.42	End Shut-In(1)				
e alm	52	618.26	159.44	Open To Flow (2)				
Temperature (deg F)	112	845.37	160.86	Shut-ln(2)				
(d e	202	850.12	158.73	End Shut-In(2)				
J	203	3119.17	158.58	Final Hydro-static				
				1.00				

Recovery

Length (ft)	Description	Volume (bbl)
787.00	g w w/trace of oil 10g 90 w	9.34
600.00	gso&mcw 10g2o5m 83w	8.42
235.00	gsocmw 15g5o20m60w	3.30
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Gas Ra	Gas Rates			
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)		

