

C	onfiden	tiality	Requested:
	Yes	N	lo

Kansas Corporation Commission Oil & Gas Conservation Division

1203739

Form ACO-1
August 2013
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:			Sec.	TwpS. R	East West	
Address 2:			F6	eet from North /	South Line of Section	
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section	
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:	
Phone: ()			□ NE □ NW	V □SE □SW		
CONTRACTOR: License #			GPS Location: Lat:	, Long: _		
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)	
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84		
Purchaser:			County:			
Designate Type of Completion:			Lease Name:	W	/ell #:	
	e-Entry	Workover	Field Name:			
	_		Producing Formation:			
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground: Kelly Bushing:			
	GSW	Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:			
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet			
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No	
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet	
Operator:			If Alternate II completion, c	cement circulated from:		
Well Name:			feet depth to:	w/	sx cmt.	
Original Comp. Date:						
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan		
☐ Plug Back	Conv. to G		(Data must be collected from the			
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls	
Dual Completion			Dewatering method used: _			
SWD			Location of fluid disposal if	hauled offsite		
☐ ENHR			· ·			
GSW	Permit #:		Operator Name:			
_ _			Lease Name:	License #:_		
Spud Date or Date R	eached TD	Completion Date or	QuarterSec	TwpS. R	East _ West	
Recompletion Date		Recompletion Date	County:	Permit #:		

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							
Confidentiality Requested							
Date:							
Confidential Release Date:							
Wireline Log Received							
Geologist Report Received							
UIC Distribution							
ALT I II III Approved by: Date:							

Page Two



Operator Name:				_ Lease l	Name: _			Well #:		
Sec Twp	S. R	East V	West	County	:					
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres o surface test, along	sures, whether s with final chart(shut-in pre s). Attach	ssure reac extra shee	hed stati t if more	c level, hydrosta space is neede	itic pressures, bot d.	tom hole temp	erature, flui	d recovery,
Final Radioactivity Lo- files must be submitte						gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital el	ectronic log
Drill Stem Tests Taker (Attach Additional S		Yes	No				on (Top), Depth ar			mple
Samples Sent to Geo	logical Survey	Yes	☐ No		Nam	e		Тор	Da	tum
Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No										
List All E. Logs Run:										
			CASING		☐ Ne					
	0: 11-1-	· ·				ermediate, product		# O	T	d Damasat
Purpose of String	Size Hole Drilled	Size Cas Set (In O		Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used		d Percent itives
		AD	DITIONAL	CEMENTIN	NG / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Ce	ement	# Sacks	Used Type and Percent Additives					
Perforate Protect Casing										
Plug Back TD Plug Off Zone										
Did you perform a hydrau	•					Yes	No (If No, ski	p questions 2 ar	nd 3)	
Does the volume of the to							= :	p question 3)	of the ACO	()
Was the hydraulic fractur	ing treatment information	on submitted to the	e chemicai d	isciosure re	gistry?	Yes	No (If No, fill	out Page Three	or the ACO-1	<i>)</i>
Shots Per Foot		ION RECORD - I Footage of Each I					cture, Shot, Cement mount and Kind of Ma		d	Depth
TUBING RECORD:	Size:	Set At:		Packer A	i:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or Ef	NHR. Prod	ducing Meth	ıod:		1				
			Flowing	Pumpin	g	Gas Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er B	bls. (Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	METHOD OF	COMPLE	ETION:		PRODUCTION	ON INTERVA	
Vented Sold		Open		Perf.	Dually	Comp. Cor	mmingled			
	bmit ACO-18.)		(Specify)		(Submit)	ACO-5) (Sub	mit ACO-4)			

Form	ACO1 - Well Completion			
Operator	Palmer Oil, Inc.			
Well Name	Brookover 4-6			
Doc ID	1203739			

Tops

Name	Тор	Datum
Anhy	1861'	+997
B/Anhy	1929'	+929
Heebner	3898'	-1040
Lansing	3962'	-1104
B/KC	4447'	-1589
Marmaton	4473'	-1615
Ft.Scott	4586'	-1728
Morrow	4783'	-1925
Mississippian	4861'	-2003



Prepared For: Palmer Oil Inc.

PO Box 399 Garden City, KS 67846

ATTN: Kevin Timson

Brookover #4-6

4-25s-32w Finney,KS

Start Date: 2014.04.30 @ 01:41:00 End Date: 2014.04.30 @ 08:23:39 Job Ticket #: 56523 DST #: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Palmer Oil Inc.

4-25s-32w Finney, KS

PO Box 399

Brookover #4-6 Job Ticket: 56523

Tester:

Unit No:

DST#: 1

Garden City, KS 67846

ATTN: Kevin Timson

Test Start: 2014.04.30 @ 01:41:00

62

Reference Elevations:

GENERAL INFORMATION:

Formation: Morrow

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

Time Tool Opened: 04:11:10 Time Test Ended: 08:23:39

Interval:

Total Depth: 4861.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good KB to GR/CF: Hole Diameter: 13.00 ft

2958.00 ft (KB)

2945.00 ft (CF)

Cornelio Landa III

Serial #: 8645 Outside

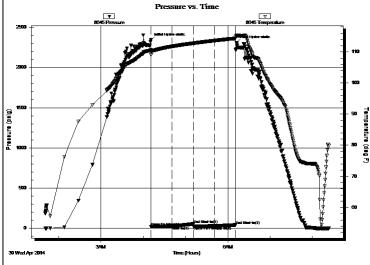
Press@RunDepth: 4777.00 ft (KB) Capacity: 28.30 psig @ 8000.00 psig

Start Date: 2014.04.30 End Date: 2014.04.30 Last Calib.: 2014.04.30 Start Time: 01:41:02 End Time: 08:23:40 Time On Btm: 2014.04.30 @ 04:11:00 Time Off Btm: 2014.04.30 @ 06:12:20

TEST COMMENT: IF: 1/2" Blow

ISI: No return FF: No Blow FSI: No Return

4774.00 ft (KB) To 4861.00 ft (KB) (TVD)



	PRESSURE SUMMARY									
1	Time	Pressure	Temp	Annotation						
	(Min.)	(psig)	(deg F)							
	0	2341.16	110.66	Initial Hydro-static						
	1	20.46	109.01	Open To Flow (1)						
	30	24.75	111.77	Shut-In(1)						
	61	54.04	112.78	End Shut-In(1)						
	61	26.82	112.76	Open To Flow (2)						
	90	28.30	113.61	Shut-In(2)						
`	120	40.36	114.32	End Shut-In(2)						
,	122	2309.03	115.27	Final Hydro-static						

Recovery

Description	Volume (bbl)
Mud 100m	0.02
	·

Gas Rat	es	
Choke (inches)	Pressure (nsig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 56523 Printed: 2014.05.01 @ 15:00:16



Palmer Oil Inc.

PO Box 399

Garden City, KS 67846

ATTN: Kevin Timson

4-25s-32w Finney, KS

Brookover #4-6

Job Ticket: 56523 DST#: 1

Test Start: 2014.04.30 @ 01:41:00

GENERAL INFORMATION:

Formation: Morrow

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:11:10 Time Test Ended: 08:23:39

4774.00 ft (KB) To 4861.00 ft (KB) (TVD) Interval:

Total Depth: 4861.00 ft (KB) (TVD)

7.88 inches Hole Condition: Good Hole Diameter:

Test Type: Conventional Bottom Hole (Initial) Tester: Cornelio Landa III

Unit No:

62

Reference Elevations:

2958.00 ft (KB)

2945.00 ft (CF) 13.00 ft

KB to GR/CF:

Serial #: 8357 Inside

Start Time:

Press@RunDepth: psig @

Start Date: 2014.04.30

01:41:02

End Date: End Time:

4777.00 ft (KB)

2014.04.30 08:25:19 Capacity:

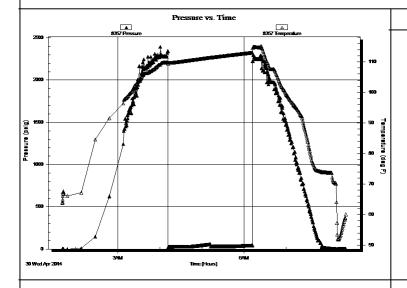
8000.00 psig

Last Calib.: 2014.04.30 Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/2" Blow

ISI: No return FF: No Blow FSI: No Return



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

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

Trilobite Testing, Inc Ref. No: 56523 Printed: 2014.05.01 @ 15:00:16



Total Volume:

TOOL DIAGRAM

Palmer Oil Inc.

4-25s-32w Finney, KS

PO Box 399

ATTN: Kevin Timson

Garden City, KS 67846

Job Ticket: 56523

Brookover #4-6

DST#: 1

Test Start: 2014.04.30 @ 01:41:00

Tool Information

Drill Pipe: Length: 4582.00 ft Diameter: 3.80 inches Volume: Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: Drill Collar: Length: 180.00 ft Diameter: 2.25 inches Volume:

64.27 bbl 0.00 bbl 0.89 bbl

65.16 bbl

Tool Weight: 2500.00 lb
Weight set on Packer: 22000.00 lb
Weight to Pull Loose: 10000.00 lb

Tool Chased 0.00 ft String Weight: Initial 70000.00 lb

Final 70000.00 lb

Drill Pipe Above KB: 15.00 ft
Depth to Top Packer: 4774.00 ft

Depth to Bottom Packer: ft
Interval betw een Packers: 87.00 ft
Tool Length: 114.00 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			4748.00		
Shut In Tool	5.00			4753.00		
Hydraulic tool	5.00			4758.00		
Jars	5.00			4763.00		
Safety Joint	2.00			4765.00		
Packer	5.00			4770.00	27.00	Bottom Of Top Packer
Packer	4.00			4774.00		
Stubb	1.00			4775.00		
Perforations	1.00			4776.00		
Change Over Sub	1.00			4777.00		
Recorder	0.00	8357	Inside	4777.00		
Recorder	0.00	8645	Outside	4777.00		
Drill Pipe	63.00			4840.00		
Change Over Sub	1.00			4841.00		
Perforations	17.00			4858.00		
Bullnose	3.00			4861.00	87.00	Bottom Packers & Anchor

Total Tool Length: 114.00

Trilobite Testing, Inc Ref. No: 56523 Printed: 2014.05.01 @ 15:00:16



FLUID SUMMARY

Palmer Oil Inc.

4-25s-32w Finney, KS

PO Box 399

Garden City, KS 67846

Brookover #4-6

Job Ticket: 56523

Serial #:

DST#: 1

ATTN: Kevin Timson

Test Start: 2014.04.30 @ 01:41:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: ft Water Salinity: ppm

9.00 lb/gal Viscosity: 50.00 sec/qt Cushion Volume: bbl

Water Loss: 8.37 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 3300.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

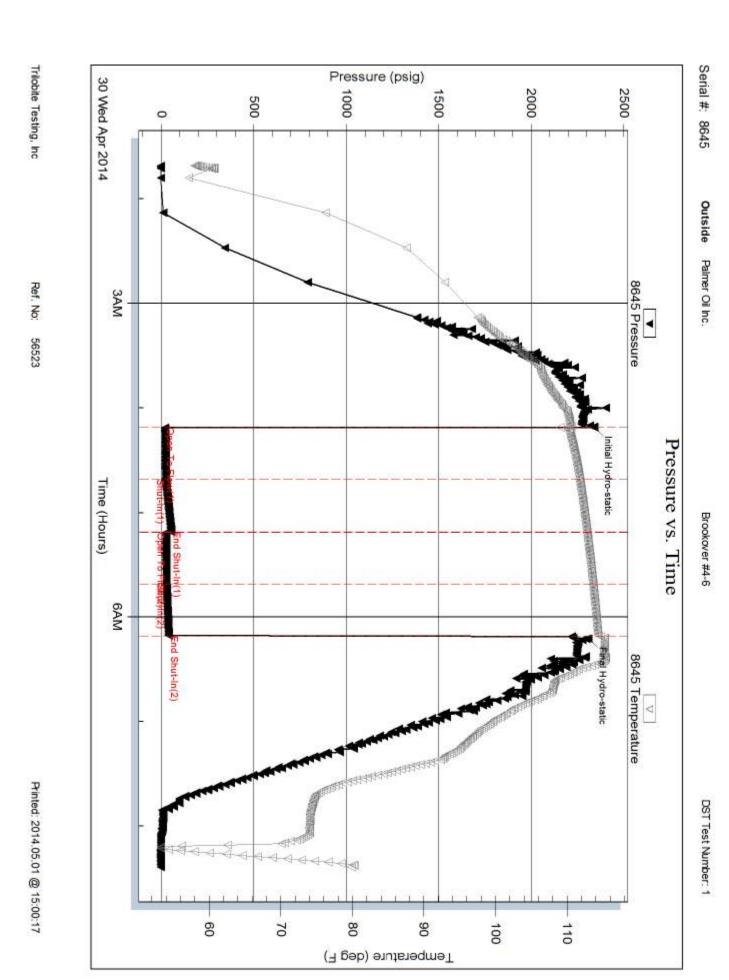
0.025 bbl Total Length: 5.00 ft Total Volume:

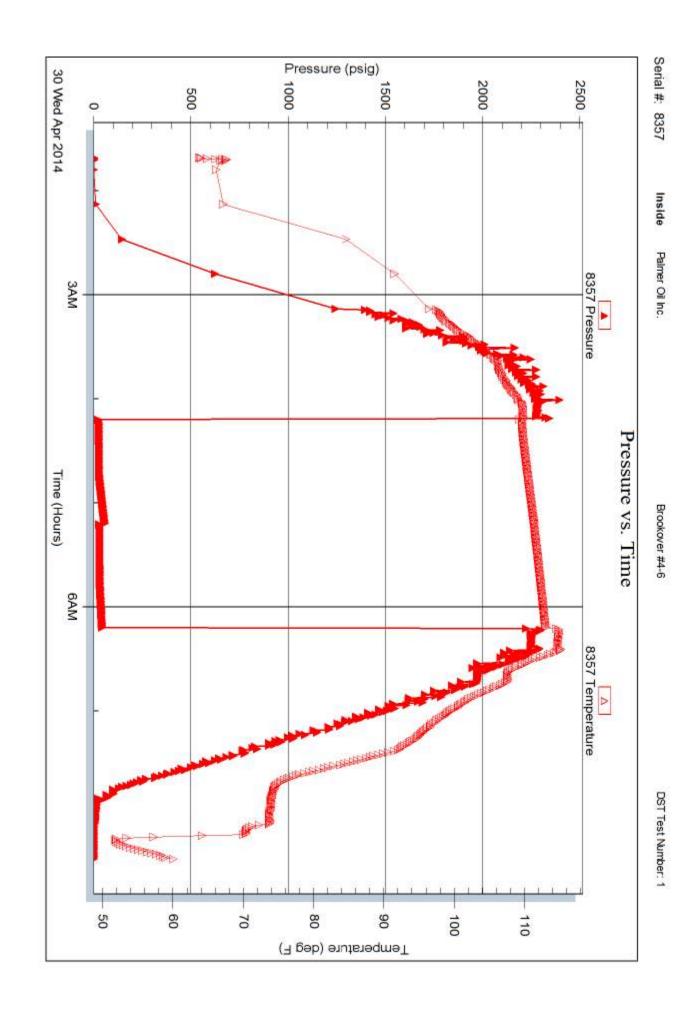
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 56523 Printed: 2014.05.01 @ 15:00:17





Trilobite Testing, Inc.

Ref. No:

56523

Printed: 2014.05.01 @ 15:00:17



Test Ticket

No. 56523

1515 Commerce Parkway	y • Hays, Kansas 67601			00020	
Well Name & No. Brookover Company Palmer Oil Control	#4-le	Test No	958	Date <u>4-3</u> 0- кв <u>2945</u>	-14 GL
Address 3118 N. Cammings Re	d - Garden City	1.		- ND OIL IS	GL
Co. Rep / Geo. Keun Timson	12 900 001 0019	Rig DyK	2		
Location: Sec. 4 Twp. 25-5	Rge. Baw	V		State K5	
nterval Tested 4774 - 4861)	0.0.0	
Anchor Length 871				92	
Top Packer Depth 4770	Drill Pipe Run			ud Wt	
	Drill Collars Run	_		s50	
Bottom Packer Depth 4774	Wt. Pipe Run			L <u>8.4</u>	
Total Depth 4861	Chlorides 3350	ppm	System LC	M # d	
Blow Description FF: 12 in Blow					
ISI: NO Kedurn					
FF: No Blow					
PSI: No Roturn					
Rec Feet of		%gas	%oil	%water	%muc
Rec Feet of		%gas	%oil	%water	%mud
Rec5_ Feet of Mud		%gas	%oil) 0% mud
Rec Feet of		%gas	%oil	%water	%muc
RecFeet of		%gas	%oil	%water	%mud
- / \ / / / / / /	_ Gravity AP	I RW@		2	ppm
^	Test 1250			tion	
B) First Initial Flow	Jars250			0:41	
C) First Final Flow	Safety Joint 7	5	T-Open_ <i>L</i> T-Pulled _		
D) Initial Shut-In 54	Circ Sub MC			8:23	
E) Second Initial Flow	☐ Hourly Standby		No. Contractor	loaded 5-	1-14
F) Second Final Flow	Mileage 111	, , , , , ,	1	co 7:45-	
G) Final Shut-In	□ Sampler353.40				
H) Final Hydrostatic 2309	☐ Straddle		☐ Ruine	d Shale Packer	
	☐ Shale Packer		☐ Ruine	d Packer	
nitial Open	☐ Extra Packer		☐ Extra	Copies	
7.0	☐ Extra Recorder		Sub Total	0	
30	☐ Day Standby		Total1	928.40	
7 /	☐ Accessibility		MP/DST	Disc't	
Final Shut-In		n		y	



CEMENTING LOG

Date	/2014 Dist	rict Libera		Carried Control of Control	52752	CEMENT DATA Spacer Type H2O
Company _		Palmer Oil	Rig			Amt. Sks Yield ft³/sk Density PPG
Lease		ookover		ll No	4-6	
County	F	inney	Sta	teI	KS	
Location						LEAD: Time hrs. Type 65/35 6% gel 3% CC
Field	П.			tone to str	П	.5# flo seal Excess
Casing Data	☐ Conductor ✓ Surface	PTA Interme		queeze roduction	Misc.	Amt. 700 Sks Yield 1.97 ft*/sk Density 12.4 PPG
Cina D I						TAIL: Time hrs. Type Class A 3%CC .25# flo Seal
Size 8 5	тур	e	weight _	Z4# Collai		Amt. 200 Sks Yield 1.18 ft*/sk Density 15.6 PPG
						WATER Lead 10.9 Gal/sk Tail 5.3 Gal/sk Total BBLS
Casing Depths	Ton	0	Bottom	16	80	Pump Trucks Used: 549-550
Casing Depths	, тор		bottom		0.5	Bulk Equipment 495-554
						705-642
						330 5.12
Drill Pipe:	BBLS/	LIN. FT	LIN	. FT/BBL		
Open Hole:		LIN. FT	LIN	. FT/BBL		Float Equipment: Manufacturer Weather Ford
Capacity Fact		LIN. FT 0				Shoe: Type Guide Shoe Depth 1742
Casing		LIN. FT 0		. FT/BBL		Float: Type AFU Insert Float Depth 1700
Open Holes	BBLS/		0.1458 LIN	. FT/BBL	6.85	Centralizers: Quantity 3 Plugs Top Bottom
Drill Pipe			LIN	. FT/BBL		Stage Collars
Annulus				. FT/BBL		Special Equipment Cement Basket
	BBLS/	LIN. FT	LIN	. FT/BBL		Disp: Fluid Type H2O Amt 108.3 bbls Weight 8.33 PPG
Perforations	From	ft	to	ft Am	nt	Mud Type Weight
TIME		JRES PSI		IID PUMPED	DATA	
AM/PM	DRILL PIPE CASING	ANNULUS	FLUID	PUMPED PER TIME PERIOD	BBLS/MIN	REMARKS
2:30pm						On location @ 2:30pm
5:30pm						Rigging up to well head
6:25pm	to the beautiful and				-	Safety meeting with rigg crew
6:27pm	2000					Pressure testing pumping lines to 2000 psi
6.20	200		10	-	-	10 bbl of 1120 bood of comment
6:30pm	200	-	10 259	-	5	10 bbls of H2O head of cement Mixing lead cement @ 12.4#
6:34pm 7:14pm	220 180		301		4	Mixing Tead cement @ 12.4# Mixing Tail cement @ 15.6#
7:14pm 7:28pm	0		0		0	End of cement shutting down to release plug
7:30pm	120		301		5	Plug left the head and started displacement of 104 bbls
7:39pm	140		351		6	50 bbls gone
7:48pm	600		401		5	100 bbls gone 5bpm @ 600 psi
7:55pm	1100		405	†	3	102 bbls gone and landed the plug bumped to 1100 psi and holding
- 1p			100			released the psi and float holding .5 BBLS BACK TO TRUCK
						60bbls of cement to surface
						rigging down iron
						leaving location @ 8:30pm
						THANK YOU !!!!!!!!!!!!!!!!!!

Company		rict Libera				Spacer Type Amt. Sks Yield ft³/sk Density PPC			
Lease				II No	4-6	The state of the s			
	St			-	cs				
Location		CVCIIO	310			LEAD:Time hrs. Type 60/40/4% gel			
Field		-	_			Excess			
100000000000000000000000000000000000000	□ Conducto	r PTA	Пе	queeze	Misc.	Amt. 210 Sks Yield 1.5 ft²/sk Density 13.5 PPG			
casing Data	Surface		diate P			TAIL: Time hrs. Type			
Sizo 11/2		е	Service Service			Excess			
3126 44/20	inipipe Typ		weight	24# 00110		Amt. Sks Yield ft³/sk Density PPG			
						WATER Lead 7.5 Gal/sk Tail Gal/sk Total 28 BBL			
						Traile tead 713 day 3k Tan day 3k Total 25 day			
Casing Don	th Top		Botton	,		Pump Trucks Used: 530-484			
casing nepi	ш тор					Bulk Equipment 774-744			
						Dun Equipment 174774			
			1						
Drill Pipe	RRISA	LIN. FT	LIN	I. FT/BBL					
Open Hole:		LIN. FT		I. FT/BBL		Float Equipment: Manufacturei			
	ctors: BBLS/			I. FT/BBL		Shoe: Type Depth			
Capacity Fa		LIN. FT		I. FT/BBL		Float: Type Depth			
Open Holes		LIN. FT		I. FT/BBL		Centralizers: Quantity Plugs Top Bottom			
		LIN. FT 0.0				Stage Collars			
Drill Pipe Annulus		LIN. FT		I. FT/BBL		Special Equipmer			
Annulus		LIN. FT		I. FT/BBL		Disp: Fluid Type H2O & Mud Amt bbls Weight PP			
Df41					.4				
Pertoration	is From	ft 1	IC	IL AII		Mud Type Weight 9.5			
						crustown St			
COMPANY	REPRESENTA	TIVE				CEMENTER Edgar A. Rodriguez			
TIME		RES PSI		ID PUMPED	T				
AM/PM	DRILL PIPE	ANNULUS	TOTAL	PUMPED PER	1	REMARKS			
	CASING		FLUID	TIME PERIOD	BBLS/MIN				
12:30 pm						Arrive on location			
12:45						Spot equipment and rig up			
1:30						Safety meeting			
1:43						Start job			
1:47						1st plug @1730'			
1:47	70		13		4	Pump 50 sks of cmt (13 bbls @13.5)			
1:51	30		21		4	Pump 21 bbls of mud displacement			
1:58						Come out of hole with drillpipe			
2:27						2nd plug @930'			
2:27	60		13		3	Pump 50 sks of cmt (13 bbls @13.5)			
2:36	30		10		3	Pump 10 bbls of displacement			
2:39						Come out of hole with drillpipe			
2:54						3rd plug @450'			
2:54	70		11		3	Pump 40 sks of cmt (11 bbls @13.5)			
2:58	30		4		3	Pump 4 bbls of displacement			
3:00						Come out of hole with drillpipe			
						4th plug @60'			
3:33			5		3	Pump 20 sks of cmt (5 bbls @13.5)			
	40	- 1		1		Come of hole with joint			
3:33	40			1	1				
3:33 3:33	40		8	1	2	Pump 30 sks of cmt in rat hole			
3:33 3:33 3:36			8		2	Pump 30 sks of cmt in rat hole Come of hole with joint			
3:33 3:33 3:36 3:46 3:48						Come of hole with joint			
3:33 3:33 3:36 3:46	40		8		2	Come of hole with joint Pump 20 sks of cmt in mouse hole			
3:33 3:33 3:36 3:46 3:48 3:50	40					Come of hole with joint Pump 20 sks of cmt in mouse hole End job			
3:33 3:33 3:36 3:46 3:48 3:50 4:00 4:20	40					Come of hole with joint Pump 20 sks of cmt in mouse hole End job Rig down			
3:33 3:33 3:36 3:46 3:48 3:50 4:00	40					Come of hole with joint Pump 20 sks of cmt in mouse hole End job			
3:33 3:33 3:36 3:46 3:48 3:50 4:00 4:20	40					Come of hole with joint Pump 20 sks of cmt in mouse hole End job Rig down			

Geological Report

Palmer Oil, Inc.

Brookover #4-6

780' FSL & 1070' FEL

Sec. 4, T25s, R32w

Finney County, Kansas



Palmer Oil, Inc.

General Data

Well Data:	Palmer Oil, Inc. Brookover #4-6 780' FSL & 1070' FEL Sec. 4, T25s, R32w Finney County, Kansas API # 15-055-22269-00-00
Drilling Contractor:	Duke Drilling Co. Rig #9
Geologist:	Kevin Timson
Spud Date:	April 23, 2014
Completion Date:	May 1, 2014
Elevation	2845' G.L. 2858' K.B.
Directions:	From Garden City, KS. Go South on Hwy 83 1 mile South of Southwind. Turn East on lease road and continue East 2 miles, North into.
Casing:	1701' 8 5/8" #24 Surface Casing
Samples:	3800' to RTD 10' Wet & Dry
Drilling Time:	3800' to RTD
Electric Logs:	Pioneer Energy Services "J. Henrickson" Stacked-Micro
Drillstem Tests:	One-Trilobite Testing "Corndog"
Problems:	None

Formation Tops

Brookover #4-6 Sec. 4, T25s, R32w 780' FSL & 1070' FEL

Anhydrite	1861' +997
Base	1929' +929
Heebner	3898' -1040
Lansing	3962' -1104
Stark	4310' -1452
Bkc	4447' -1589
Marmaton	4473' -1615
Pawnee	4553' -1695
Fort Scott	4586' -1728
Cherokee	4600' -1742
Morrow	4783' -1925
Miss	4861' -2003
RTD	5000' -2142
LTD	5001' -2143

Sample Zone Descriptions

Morrow (4783', -1925): Covered in DST #1

No sand!

Drill Stem Tests

Trilobite Testing "Corndog"

DST #1 Morrow

Interval (4774'- 4861') Anchor Length 87'

IHP -2341 #

IFP - 30" - ½" blow 20-25 #

ISI - 30" – No return 54 #

FFP - 30" – No blow 27-28 #

FSIP - 30" – No return 40 #

FHP - 2309 #

BHT - 115° F

Recovery: 5' Mud

Structural Comparison

Formation	Palmer Oil, Inc. Brookover #4-6 Sec. 4, T25s, R32w 780' FSL & 1070' FEL		EOG Resources Brookover #4-2 Sec. 4, T25s, R32w 1400' FSL & 330' FEL	6	EOG Resources Brookover #4-4 Sec 4, T25s, R32w 12' FSL & 2350' FEL
Heebner	3898' -1040	+1	3897' -1041	+2	3901' -1042
Lansing	3962' -1104	-1	3959' -1103	NA	NA
Stark	4310' -1452	FL	4308' -1452	NA	NA
BKC	4447' -1589	-2	4443' -1587	NA	NA
Marmaton	4473' -1615	-3	4468' -1612	NA	NA
Pawnee	4553' -1695	-2	4549' -1693	NA	NA
Fort Scott	4586' -1728	-4	4580' -1724	NA	NA
Cherokee	4600' -1742	-5	4593' -1737	-2	4599' -1740
Morrow	4783' -1925	+1	4782' -1926	-4	4780' -1921
Miss	4861' -2003	FL	4859' -2003	+20	4882' -2023

Summary

The location for the Brookover #4-6 well was found via 3-D seismic survey. The new
well ran structurally as expected. One drill stem test was conducted, which was negative. After
all the gathered data had been examined, the decision was made to plug and abandon the
Brookover #4-6 well.

Respectfully Submitted,

Kevin Timson Palmer Oil, Inc.