

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1161428

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:		
Address 2:		Feet from North / South Line of Section
City: S	tate: Zip:+	Feet from Cast / West Line of Section
		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
,		County:
		Lease Name: Well #:
		Field Name:
0		
		Producing Formation:
Designate Type of Completion:	-	Elevation: Ground: Kelly Bushing:
New Well	-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A		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:
	e, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well In	fo 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: ppm Fluid volume: bbls
Deepening Re-perf	Conv. to ENHR Conv. to SWD	Dewatering method used:
	Conv. to GSW	
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	Operator Name:
Dual Completion	Permit #:	License #:
SWD	Permit #:	Quarter Sec TwpS. R East West
ENHR	Permit #:	
GSW	Permit #:	County: Permit #:
Spud Date or Date Rea Recompletion Date	ached TD Completion Date or 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	1161428
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No	L	-	n (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	jical Survey	Yes No	1 dan			iop	Datam
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre> Yes No Yes No Yes No</pre>					
List All E. Logs Run:							
		CASING		ew Used			
		Report all strings set	-conductor, surface, inte	ermediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated						ement Squeeze Record I of Material Used)	Depth		
TUBING RECORD:	Siz	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed P	Producti	on, SWD or ENHF	₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF COMPLE			TION:		PRODUCTION INT	ERVAL:				
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

ALLIED OIL & GAS SERVICES, LLC 030307

Federal Tax J.D. # 20-8651475

EMIT TO	P.O. BOX 93999
	SOUTHLAKE, TEXAS 76092

DATE DA-

CONTRACTOR TYPE OF JOB

HOLE SIZE

CASING SIZE

TUBING SIZE

DRILL PIPE

PRES. MAX

MEAS. LINE

CEMENT LEFT IN CSG.

DISPLACEMENT

PUMP TRUCK

300

BULK TRUCK

BULK TRUCK

Splace

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count

MAKH

STREET _

CHARGE TO: Vint

CITY

(JV

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TOOL

PERFS.

OLD OR NEW (Circle one)

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Detrolan

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Caller

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Anyyo or

30X 93999 HLAKE, TEXAS 76092		SER	VICE POINT:	Beach
SEC TWP 43 RANGE 24 1	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
WELL # 2-10 LOCATION A	Scitt 2w	to pla	COUNTY	STATE
Sircle one) 2.5 Kg	-W Burt			
Mallard	OWNER P	intail Ret.		
СГа <u>Т.В. 2.3</u> СГа <u>DEPTH</u> <u>DEPTH</u> <u>DEPTH</u>	CEMENT AMOUNT OF	RDERED 150	SKI Cla	<u>sr A 3%-</u> c
DEPTH		· - ·	_	
MINIMUM SHOE JOINT	COMMON POZMIX	150	_@_ <u>/7.90</u> @	2.685.00
N CSG.	GEL	3	@ <u>23.40</u>	70-20
*	CHLORIDE	5	@ <u>64.00</u> @	320.00
EQUIPMENT			@ @	· · · · · · · · · · · ·
CEMENTER Des Back			_@ _@	
DRIVERTIM Dickson			@ @	-
DRIVER	HANDLING		@ @8	401.98
REMARKS:	MILEAGE 2	<u>7.4 x .5 ×</u>	2.60	<u>96.29</u> 3.573.38

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE	1512.2	
EXTRA FOOTAGE		
MILEAGE Hum 5	@ 7-70	38.20
MANIFOLD	@	
<u> </u>	@ <u>~~~~</u>	22.00
	_@	

TOTAL 1.572.25

PLUG & FLOAT EQUIPMENT

@	
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@	
0	
@	

TOTAL	

SALES TAX (If Any)	- <u>,-</u>
TOTAL CHARGES 5.146	<u>, , , , , , , , , , , , , , , , , , , </u>
1.029	
	IF PAID IN 30 DAYS
4.116 -	<u> </u>

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

STATE _

rank Stmank auk Aprost PRINTED NAME SIGNATURE

EMIT TO P.O. B	OX 93999)	Leasu		. # 20-8651475	er	RVICE PO	ንተእም-	
		TEXAS 760	92			36			Bend
DATE 6- 9-13	SEC.	TWP.	RANGE	C/	ALLED OUT	ON LOCATIO		TART	JOB FINISH
LEASE KON DO-	WELL #	2-10		loc e d	sty 211 .		COUN	ΤY	I <u>O:IO PO</u> STATE HS
OLD OR € E (Ci			25 1/22		inte	to <u>r</u> mai	Ne	55	<u>_</u> #3
CONTRACTOR	M-144	of Dry				star Pe	 		
TYPE OF JOB H	dactor	~ 2 54	ace V		OWNER M	atel Ver	holum	<u> </u>	
HOLE SIZE 77	19		412100		CEMENT				
CASING SIZE 💰 TUBING SIZE	12		<u>тн 4/4/01</u>		AMOUNT OR	DERED 30	a schi	5.6	5/35-
DRILL PIPE		DEP			al tre	1 1/4 Fic	uele		
TOOL						1 1112			
	000		IMUM		COMMON	195	a 17	. 50	3.490.5
MEAS. LINE			E JOINT A	<u>/A</u>	POZMIX	105	 	3.5	981. 12
CEMENT LEFT IN	V CSG.	OLLIS	/		GEL	16			374 10
PERFS.	-				CHLORIDE				
DISPLACEMENT		27 bb	ls		ASC		@		
	EQI	JIPMENT			<u>+la</u>	2 <u>591 7</u> 3		<u>77</u>	<u>777. 73</u>
		$-\Omega$	1				<u></u> @		
	CEMENT		che Helger	SAU			@		
597	HELPER	Kenn /	Eddy				@	_	
BULKTRUCK	DRIVER	Ν.	-						
<u># <i>Go¶</i></u> BULK TRUCK	DRIVER	Den (asper						
	-								
	DRIVER	Van	frail .				@		
	DRIVER	Kenn	Weghous		HANDLING		@ <u></u> 2.	78	
, ,			Wieghous	m		3.88 x 5	<u>_</u> @ <u></u> 2. X2	60	180 42
	RĘ	MARKS:	J		MILEAGE <u>1</u>		<u>_</u> @ <u></u> 2. X2	60	
Pluced 124	RE	MARKS:	_cenat 6	12.5	MILEAGE <u>1</u> 1	3.88 x 5	<u> </u>	60	180 42
Physical rath Durad mars	RE nol <u>e</u> u	MARKS: <u>(10 444</u> (14 111)	- feneat e	 125 P	MILEAGE <u>1</u> 1	3.88 x 5	<u>_</u> @ <u></u> 2. X2	60	180 42
Physical rath Guildent mans	RE note u chole u 1470	MARKS: <i>[]</i>	Cenete Cenete	<u></u> _ <u></u> 	MILEAGE _1"	3. 8 8 x .s. Ser	vice	60	180.42
Physical rath Guiged mans Impact of Lbl Mod Durch 0	RE Robe cu 1970	MARKS: <i>(</i>	- fenest & - lenest & - lenest & - social	 	MILEAGE 1	3.88 X 5 SER	VICE	GOTAL	180.42
Physical rath Physical mans Impact of Lb1 Mode Disch p 82 Able comp	RE ehole cu 1970 umpet t <i>C (25</i>	MARKS: <i> </i>	Cenert C Cenert C Space Competents 150 Space	125 1 125 P 16] Dumpe 8 Inno	MILEAGE	3. 8 8 x 5 SER 06	VICE	GOTAL	180.42
Plugged rath Plugged mars unpert 5 161 Mad Dush o 88 hbls cemen southed top	RE chole cu H20 umpal day di and cho	MARKS: / 10 111 Spacer 1 Spacer 1	Sement C Sement C Sumper 10 150 Sparres 150 Sparres 15	125 1 125 P 16] Dumpe 8 Inno	MILEAGE	3. 8 8 x 5 SER 06 /400 (CHARGE TAGE	× 2. × 2. vice ∧ 2.155	GOTAL	180.42
Physical 124	RE chole cu H20 umpal day di and cho	MARKS: / 10 111 Spacer 1 Spacer 1	Sement C Sement C Sumper 10 150 Sparres 150 Sparres 15	125 1 125 P 16] Dumpe 8 Inno	MILEAGE	3. 8 8 x 5 SER 08 /40 CCHARGE TAGE	© <u>2</u> . X 2. 1 VICE <u>A</u> <u>A</u> <u>A</u> <u>B</u> <u>A</u> <u>B</u> <u>C</u> <u>B</u> <u>B</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u> <u>C</u>	GOTAL	180 42
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Physical rath Public mars unperf. 5 66 18 Able comon provident top f purposed physical construct top	RE chole cu H20 umpal day di and cho	MARKS: / 10 111 Spacer 1 Spacer 1	Sement C Sement C Sumper 10 150 Sparres 150 Sparres 15	125 1 125 P 16] Dumpe 8 Inno	MILEAGE	3. 8 8 x 5 SER DB /404 C CHARGE		GOTAL	180.42
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154 5-6.82

ALLIED OIL & GAS SERVICES, LLC 050527 Federal Tax I.D. # 20-8651475 REMIT TO P.O. BOX 93999 SERVICE POINT: SOUTHLAKE, TEXAS 76092 Grant Kerd TWP. SEC RANGE CALLED OUT ON LOCATION JOB START JOB FINISH DATE 6 -8-13 20 195 10 AM 130:PM Dias PM <u>Jiss PM</u> COUNTY STATE LEASE Kerr & WELL # 2-10 PRo LOCATION Aless City 24 Ness OLD OR NEW (Circle one) 25 -+-CONTRACTOR Mallar TYPE OF JOB Predvetice icilino Mallard OWNER Carolion 2 Stage-T.D. E/4100 HOLE SIZE -77/9 CEMENT CASING SIZE < DEPTH 414101 AMOUNT ORDERED _100 Sches TUBING SIZE DEPTH Joil Sept. 54 Kalsen 14 DRILL PIPE DEPTH TOOL DEPTH PRES. MAX 2,000 MINIMUM COMMON, @ MEAS. LINE SHOE JOINT POZMIX æ CEMENT LEFT IN CSG <u>bb15</u> GEL @ PERFS. CHLORIDE 0 DISPLACEMENT 6615 107 ASC. @ <u>20.90</u> <u>रु</u>2 100 2090. EQUIPMENT @ OF 9.80 ര 137. 592600 <u>Gilzonite</u> . 98 490. PUMPTRUCK CEMENTER ATTICK 25301 @ <u># 597</u> HELPER Kenn @ BULK TRUCK 0 # 599 BULK TRUCK DRIVER Keuto Bahoss. @ 0 DRIVER # HANDLING 174.33 @ <u>2.48</u>

REMARKS:

sty cyrect

Pumped 5-65) H20 booke circulation, 10 66/5 much Flush 5-661 H20 specie 28 66/6 ceners C.H # + 6105ked pumps & lunes, launched bottom total down plus, displaced 70 66/6 1820 thas 37 666 of mod landed plus dapped bomb and speciel DU Tox. 06 Cuculated much

CHARGE TO: STREET 225 N. Market 53.14 ROO CITY Urchita STATE KS ZIP.67202

TOTAL 3.219.9 SERVICE DEPTH OF JOB PUMP TRUCK CHARGE 2765.75 EXTRA FOOTAGE @ 770 750

-60

MILEAGE 5 3.5 X 5

MILEAGE How	5		38.50
MANIFOLD			
5 LUM	5	@ 4.40	22.00

TOTAL 2.826.25

PLUG & FLOAT EQUIPMENT

	51/2 Floot shoe	@ 337.30	339.30
1013	51/2 Latchdown AurEBA	A 398.70	398.25
	51/2 DV Tool	. 6	4087.00
nt	6 - 51/2 centralizers	@ 28.10	168. 00
г.	51/2 coment basket	@ 159.40	157-20

TOTAL 5.153.95

SALES TAX (If Any). 33 045 TOTAL CHARGES DISCOUNT. IF PAID IN 30 DAYS

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

To: Allied Oil & Gas Services, LLC.

PRINTED NAME SETH EVENSON



DRILL STEM TEST REPORT

Prepared For: Pintail Petroleum, LTD

225 N Market St. STE 300 Wichita, KS 67202

ATTN: Seth Evenson

Kerr DG #2-10

10 19s 24w Ness,KS

Start Date: 2013.06.07 @ 19:17:00 End Date: 2013.06.08 @ 02:58:30 Job Ticket #: 53243 DST #: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620 DST # 1

100		DRILL	STEM TE	ST	REP	ORT				
	RILOBITE	Pintail Petrole	eum, LTD			10	19s 24w	Ness	s,KS	
	ESTING , INC.		t St. STE 300			Ke	rr DG #2	2-10		
		Wichita, KS	67202			Job	Ticket: 53	3243	DST	'#:1
		ATTN: Seth	n Evenson			Tes	t Start: 20	013.06.	07 @ 19:17:0	0
GENERAL IN	IFORMATION:									
Formation: Deviated: Time Tool Opene Time Test Endeo		ft	(КВ)			Tes	ter:		ntional Bottom / Walter	Hole (Initial)
Interval: Total Depth: Hole Diameter:	4281.00 ft (KB) To 43 4352.00 ft (KB) (T\ 7.88 inchesHole	/D)				Ref	erence Ele KB 1	evation	2294	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 85	22 Outside									
Press@RunDep Start Date: Start Time:	oth: 196.61 psig 2013.06.07 19:17:05	@ 4282.00 End Da End Tin		20	013.06.08 02:58:29	Capacity Last Cali Time On Time Off	b.: Btm:		8000 2013.06 6.07 @ 21:36 6.08 @ 00:38	:15
TEST COMM	IENT: IF: 8" blow . ISI: No return. FF: 9" blow . FF: No return.									
	Pressure vs. T	ime ⊽ 8522 Tempera				P	RESSUF	RE SL	IMMARY	
- - -	8522 Press ure	8522 Tempera		,	Time (Min.)	Pressure (psig)	Temp (deg F)	Ann	otation	
2000	W.		- 115	5	0	2129.72	114.18		Hydro-static	
1750			110	,	1	27.25 113.36	113.35		To Flow (1)	
1500			- 105	5	30 59	1236.94	116.83 117.77		Shut-In(1)	
1250	A A A A A A A A A A A A A A A A A A A	BadShinhall St	- 100	Temper	60	116.59		Open	To Flow (2)	
1000	M	/ i	95	perature (deg F)	120	196.61 1263.44	120.17 121.28		ln(2) Shut-ln(2)	
	5 HH4 (C	hat%4C			181 183	2097.81	121.35		Hydro-static	
7 Fri Jun 2013	9PM Time (Hours)	8 Sat	3ÅM							
	Recovery						Ga	s Rat	es	
Length (ft)	Description		Volume (bbl)				Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
	ow cm 15o 35w 50m		0.59							
	gsw ocm 5g 5w 40o 50m	1	0.59							
160.00	gocm 5g 35o 60m		1.73							
			L							

	DRILL STEM TES	T REP	ORT		
RILOBITE	Pintail Petroleum, LTD		10 19s 24	w Ness,KS	6
ESTING , INC.	225 N Market St. STE 300		Kerr DG	#2-10	
	Wichita, KS 67202		Job Ticket:	53243	DST#:1
	ATTN: Seth Evenson		Test Start:	2013.06.07 (@ 19:17:00
GENERAL INFORMATION:					
Formation:MissistippianDeviated:NoWhipstock:Time Tool Opened:21:36:3UTime Test Ended:02:58:3U	ft (KB)		Test Type: Tester: Unit No:	Convention Bradley Wa 53	al Bottom Hole (Initial) alter
Interval:4281.00 ft (KB) To43Total Depth:4352.00 ft (KB) (The constraint of the constraint of t			Reference I	Elevations: B to GR/CF:	2299.00 ft (KB) 2294.00 ft (CF) 5.00 ft
Serial #: 8677InsidePress@RunDepth:psigStart Date:2013.06.07Start Time:19:17:05	 4282.00 ft (KB) End Date: End Time: 	2013.06.08 02:57:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.06.08
TEST COMMENT: IF: 8" blow . ISI: No return. FF: 9" blow . FF: No return.					
Pressure vs. 7 all 8877 Pressure			PRESSU	JRE SUMN	IARY
9877 Pressue 220 4 4 4 4 4 4 4 4 4 4 4 4 4	BTT Temperature 000 Te	Time (Min.)	Pressure Temp (psig) (deg F		ion
Recovery			G	as Rates	
Length (ft) Description	Volume (bbl)		Chok	e (inches) Press	sure (psig) Gas Rate (Mcf/d)
120.00 ow cm 15o 35w 50m	0.59				
120.00 gsw ocm 5g 5w 40o 50n					
160.00 gocm 5g 35o 60m	1.73				
<u>↓</u>	······				

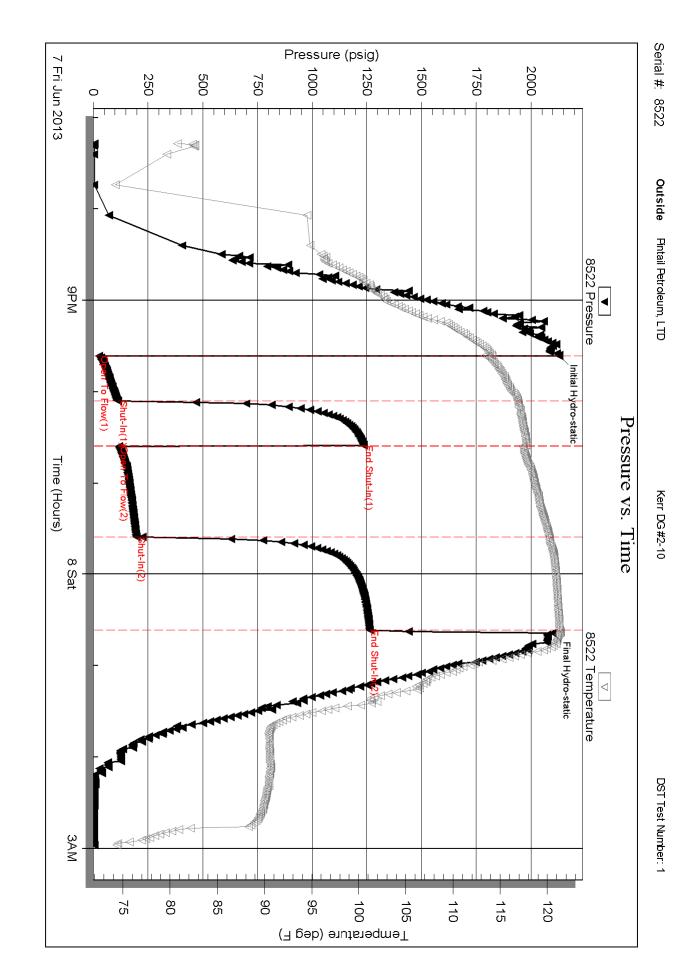
(INT		DITE	DRI	LL STE	MTEST	REPO	RT	TOOL DIAGR
	RILOE	SIIE	Pintail P	Petroleum, LT	D		10 19s 24w Ness,K	S
	 ES7	T ING , INC	225 14 14	<i>l</i> arket St. ST	E 300		Kerr DG #2-10	
			Wichita	, KS 67202			Job Ticket: 53243	DST#:1
			ATTN:	Seth Evens	on		Test Start: 2013.06.07	@ 19:17:00
Tool Informatio	on							
Drill Pipe:	Length:	3987.00 ft	Diameter:	3.80 ir	nches Volume:	55.93 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 ir	nches Volume:	0.00 bbl	Weight set on Packe	r: 25000.00 lb
Drill Collar:	Length:	296.00 ft	Diameter:	2.25 ir	ches Volume:	1.46 bbl		
Drill Pipe Above ł	KB:	22.00 ft			Total Volume:	57.39 bbl		0.00 ft
Depth to Top Pac		4281.00 ft					String Weight: Initial	62000.00 lb
Depth to Bottom I		ft					Final	63000.00 lb
Interval between	Packers:	71.00 ft						
Tool Length:		91.00 ft						
Longui.								
Number of Packe Tool Comments:	ers:	2	Diameter:	6.75 ir	nches			
Number of Packe Tool Comments:				6.75 ir Serial No.	Position	Depth (ft)	Accum. Lengths	
Number of Packe Tool Comments: Tool Descriptio	on					Depth (ft) 4262.00	Accum. Lengths	
Number of Packe Tool Comments: Tool Descriptic Change Over Sul	on		ngth (ft)			,	Accum. Lengths	
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool	on		ngth (ft) 1.00			4262.00	Accum. Lengths	
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool	on		ngth (ft) 1.00 5.00			4262.00 4267.00	Accum. Lengths	Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Packer	on		ngth (ft) 1.00 5.00 5.00			4262.00 4267.00 4272.00		Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer	on		ngth (ft) 1.00 5.00 5.00 5.00			4262.00 4267.00 4272.00 4277.00		Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb	on		ngth (ft) 1.00 5.00 5.00 5.00 4.00			4262.00 4267.00 4272.00 4277.00 4281.00		Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb Recorder	on		ngth (ft) 1.00 5.00 5.00 5.00 4.00 1.00	Serial No.	Position	4262.00 4267.00 4272.00 4277.00 4281.00 4282.00		Bottom Of Top Packe
Number of Packe Tool Comments: Tool Description Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder	on		ngth (ft) 1.00 5.00 5.00 4.00 1.00 0.00	Serial No. 8677	Position	4262.00 4267.00 4272.00 4277.00 4281.00 4282.00 4282.00		Bottom Of Top Pack
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Perforations	on Ib		ngth (ft) 1.00 5.00 5.00 4.00 1.00 0.00 0.00	Serial No. 8677	Position	4262.00 4267.00 4272.00 4277.00 4281.00 4282.00 4282.00 4282.00		Bottom Of Top Packe
Number of Packe	on Ib		ngth (ft) 1.00 5.00 5.00 4.00 1.00 0.00 0.00 2.00	Serial No. 8677	Position	4262.00 4267.00 4272.00 4277.00 4281.00 4282.00 4282.00 4282.00 4282.00 4284.00		Bottom Of Top Packe
Number of Packe Tool Comments: Tool Descriptio Change Over Sul Shut In Tool Hydraulic tool Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sul	<mark>on</mark> Ib		ngth (ft) 1.00 5.00 5.00 4.00 1.00 0.00 0.00 2.00 1.00	Serial No. 8677	Position	4262.00 4267.00 4272.00 4277.00 4281.00 4282.00 4282.00 4282.00 4282.00 4284.00 4285.00		Bottom Of Top Pack

		DRI	LL STEM TEST REPOR	Т	F	
上 第 1	RILOBITE ESTING , INC.	Pintail I	Petroleum, LTD	10 19s 24	w Ness,KS	
	ESTING , INC.	225 N	Market St. STE 300	Kerr DG #	#2-10	
		Wichita	a, KS 67202	Job Ticket:	53243	DST#:1
		ATTN:	Seth Evenson	Test Start:	2013.06.07 @ 19	:17:00
Mud and Cust	nion Information					
/lud Type: Gel (Chem		Cushion Type:		Oil A PI:	0 deg API
<i>M</i> ud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	18000 ppm
/iscosity:	52.00 sec/qt		Cushion Volume:	bbl		
Vater Loss:	7.99 in ³		Gas Cushion Type:			
Resistivity:	ohm.m		Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm					
ilter Cake:	1.00 inches					
Recovery Info	ormation					
	·		Recovery Table		-	
	Leng ft	th	Description	Volume bbl		
		120.00	ow cm 15o 35w 50m	0.59	0	
		120.00	gsw ocm 5g 5w 40o 50m	0.59	0	
		160.00	gocm 5g 35o 60m	1.73	4	
	Laboratory Nan Recovery Com		Laboratory Location: v is .438 @ 63F = 18000ppm			

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Ref. No: 53243

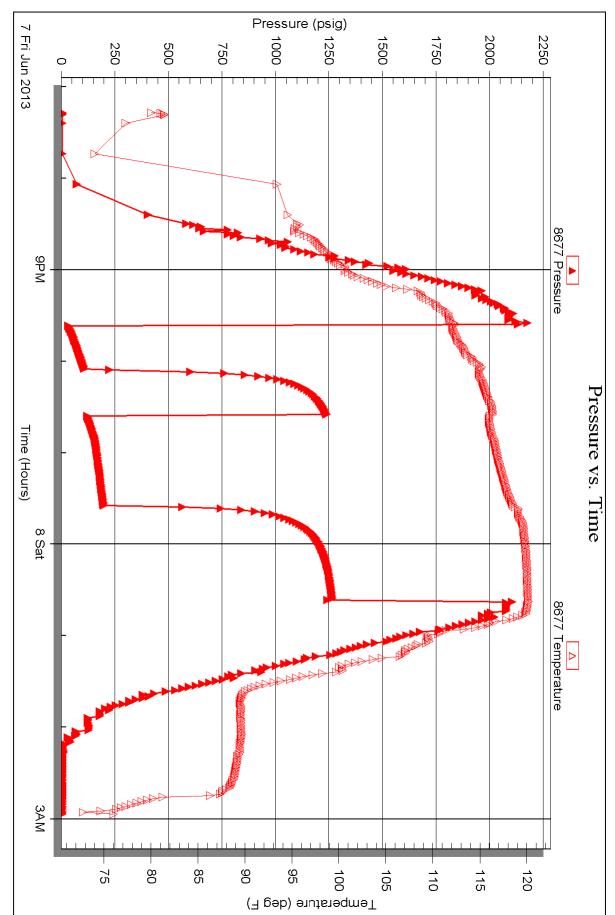




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Ref. No: 53243

Trilobite Testing, Inc



Pintail Petroleum, LTD

Serial #: 8677

Inside

Kerr DG #2-10

DST Test Number: 1

	RILOBITE ESTING INC 1515 Commerce Parkwa	y ∙ Hays, Kansas 67601			t Ticket 53243	
Company Pinto Address 225 Co. Rep / Geo. Sct	N. Martet S n Evenson	10 LTD St. STE 300 Rge. 24W	Elevation Uich RigM	2299 ita, Ks allard	67202	7 <u>4</u> GL 2
Interval Tested42 Anchor Length Top Packer Depth Bottom Packer Depth Total Depth Blow DescriptionF	91-4352 71' +276 4281 4352 ' 8"blow	Zone Tested/ Drill Pipe Run Drill Collars Run	Mississipf 2983 296	21an	Mud Wt. <u>9,3</u> Vis <u>52</u> WL <u>8.0</u> LCM <u>6</u>	
Rec <u>l20</u> Fee Rec <u>l20</u> Fee	9" blow		<u>5</u> %gas S%gas %gas	35 %0il 40 %0il 15 %0il	%water 5 %water 35 %water	50 %mud 50 %mud
a second s	et of		%gas %gas	%oil %oil	%water	%mud %mud
Rec Total 400	внт_12)	Gravity AP				
(A) Initial Hydrostatic	2130	Test_ 1250			ocation 1900	<i></i> pp
(B) First Initial Flow	27	□ Jars			ed 1917	
(C) First Final Flow	113			T-Oper		
(D) Initial Shut-In	1237	Safety Joint		T-Pulle	d_0036	6/08
	117	Circ Sub M/c		T-Out	0259	·
(E) Second Initial Flow	197	Hourly Standby		Comm	ents	
(F) Second Final Flow		X Mileage <u>103</u>		the local data in the local data in the	107 15 Mul.	
(G) Final Shut-In	1263	Sampler		C	hanged and	100
(H) Final Hydrostatic	2098	Straddle		— 🖵 Ru	ined Shale Packer	
		Shale Packer		🗆 Ru	ined Packer	
Initial Open		Extra Packer		— 🗆 Ex	tra Copies	
Initial Shut-In	30	Extra Recorder			otal_0	
Final Flow	60	Day Standby			1409.65	
Final Shut-In	60	Accessibility			ST Disc't	
		Sub Total 1409.65			1	
Approved By		Our R	epresentative_	13/	A	2

Trilobite Testing Inc, shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered of sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Pintail Petroleum, Ltd.	#2-10 Kerr 'DG' 15-135-25586	SW/SE/NW/NW 1250'FNL & 790'FWL Sec 10 T195 R24W	Franklinville Field Ness County KS	Spuci date: June 1 st , 2013 Drig. com p date: June 8 th , 2013	aken from KB.	Geologist Seth Evenson on location June 6 th , 2013 4:30pm @ 4112 ft. Contractor: Mallard JV	1 foot drill time kept from 3600 ft. to TD. Samples examined from 4000 ft. to TD.
Pin				2294′ 2299′ 4400 ft.	eas	Geologist Seth Evensor Contractor: Mallard JV	oot drill time kep nples examined
				GL: KB: RTD	All	Geo	1 fc Sar
	T			<u> </u>			
йн хэлэл тороон хэл тэр элэг элэг элэг Эл		to in some dan		, 2 - , , , , , , , , , , , , , , , , ,		ta nan' ny taona na minina dia dia dia dia dia dia dia dia dia di	,
444		 	••••• [***] •••••		ççüri çası uzvar unuğu kunuşte kire kunuşte kerindi. # # #		
<u>Sample Tops</u>	: - -	•		. :			
Heebner	3687' (-1388)			Ft. Scott	4233	8' (-1934)	e-log (-1932)
Toronto	3711' (-1412)			Cherokee	4258	s' (-1959)	e-log (-1955)
Lansing	3728' (-1429)			Cherty Congl	mrt 4309)' (-2010)	e-log (-2005)
J zone	3954' (-1655)			Mississippiar	1 Dol 4342	' (-2043)	e-log (-2039)
Hushpuckney	4008' (-1709)			RTD	4400	' (-2101)	:
	4035' (-1736)					•	
ВКС	(2,00)					*	
BKC Marmaton Pawnee	4075' (-1776) 4156' (-1857)						

Drill Stem Tests

<u>DST #1</u>

Mississippian 4281'-4352' 30-30-60-60

IHP 2130#
IFP 27#-113#
ISIP 1237#
FFP 117#-197#
FSIP 1263#
FHP 2098#

Rec: 160' SGOCM (5% G, 35% O) 120' SG&WCHOCM (5% G, 40% O, 5% W) 120' O&WCM (15% O, 35% W)

Structural Comparison:

Anhydrite	<u>#2-10 Kerr 'DG'</u> 10-19S-24W SW/SE/NW/NW		<u>#1-10 Kerr 'DG'</u> 10-19S-24W NE/NE/NW (+731)		<u>#1-10 Aaron</u> 10-19S-24W SE/SW/NW/NE (+738)		<u>#1 Borger B</u> 10-19S-24W SW/NE/NW (+733)	
Heebner	(-1388)	•	(-1391) (+3)		(-1389) (+1)		(-1392) (+4)	
Lansing	(-1429)		(-1436) (+7)		(-1431) (+2)		(-1435) (+6)	
ВКС	(-1736)	:	(-1734) (-2)		(-1737) (+1)		(-1739) (+3)	•
Marmaton	(-1776)		(-1777) (+1)		(-1778) (+2)		(-1779) (+3)	
Pawnee	(-1852)	:	(-1855) (+3)		(-1853) (+2)		(-1857) (+5)	:
Ft. Scott	(-1932)		(-1935) (+3)		(-1935) (+3)		(-1937) (+5)	
Cherokee	(-1955)		(-1958) (+3)		(-1957) (+2)		(-1959) (+4)	
Miss Dolo	(-2039)		(-2051) (+12)	•	(-2031) (-8)	•	(-2035) (-4)	

The #2-10 Kerr 'DG', was successfully drilled to a total depth of 4400, with 5.5 inch production casing cemented on the 8th day of June, 2013. Fair to good shows of free oil and stain were found in fairly tight, dense, light brown dolomite with poor to some fair inter-crystalline porosity in the top of the Mississippian. One drill stem test was ran, covering the top ten feet of the Mississippian dolomite. The test recovered approximately 280 feet of HO&SGCM, along with 120 feet of HW&SOCM. Shut-in pressures held steady in the mid 1200# range, and so it was decided to attempt production through 5.5 inch casing. Rat-hole for a cased-hole log was drilled to 4400'; and a second, minor show was encountered in the dolomite at around 4370 feet.

There was approximately 17 feet of highly weathered cherty conglomerate encountered at 4309'. This chert was highly vuggular, with good to very heavy black asphaltic stain, saturation, and traces to a fair show of black free oil. I feel that it would be an interesting experiment to perforate and frack this chert zone; for production testing, sometime before abandonment. The Fort Scott limestone had a fair to good show of gassy free oil on break. The limestone was non-oomoldic, with several

pieces containing scattered deep vugs; and pinpoint porosity. The Fort Scott should be tested through perforations before abandonment.

Finally, a show of live, spotty brown stain, and a trace of free oil was found in slightly chalky limestone, with very poor intercrystalline, and poor pinpoint vuggular porosity. This is from the upper Marmaton section, and maybe tested through perforations if all other options are exhausted.

A cased hole log was ran in order to locate zones to perforate more precisely. After perforating the Mississippian dolomite from 4338'-4348'; the well channeled significant water behind casing from the formation below. The perforations were squeezed off, and after time to harden; the well was "sand-cut" from 4339'-4341'. Hydraulic perforating job was successful. Well put on pump, making approximately 3.5 BOPD, and no water.

Respectfully submitted by,

mapy 12

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a de la constante de la consta	Sett Evensor	• • • ·		2		
Province of the second			naamaan ka maraa ahaa ka k	Seth Evenson on	locatio	n 4:30 pm @ 44112' June 6th, 2013
			L	EGEND		June bin, 201
2	Anhydrite Salt	Sandstone	Shale		Chert	Dolomite
	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases		ļ		0L	
0		DEPTH	LITHOLOGY		- SHOWS	
LOG 7710	5" 10" 15" 20" 25"	DEFIN	 	SAMPLE DESCRIPTIONS	SN	REMARKS
					-	
						-
						-
			·······			_
		3600		Lms ton-gry ufn xtln		
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		· .		Los tan ory micro xth, hrd		-
				ces, no vis \$, tre ship toss chit		_
				much shale in sample.		_
		รง		Lonston-grymicro-ven xx1n no vis ø		
				Lons ton-gry, micro-vth xthn sticoss, some stishaley, no vis \$		
		* 		Luns 12 or y- ory, when xthe med res ho visse, much gry, redie of mshales.		
				Loss, pr-no vis po		
H				Lonstan micro Xth, sft-med res, slichly novis &		
ľ			2000 - 10	Lons ton - Hory micro - vfn xth med-hrd res no vis & Increase gry & gru shale	×	
	2 Torox 0	3700		shale, blk, nedres, slits carbonaceous, thus tan noviso		_
ŀ				-ms Harry v fn xth brdros		_

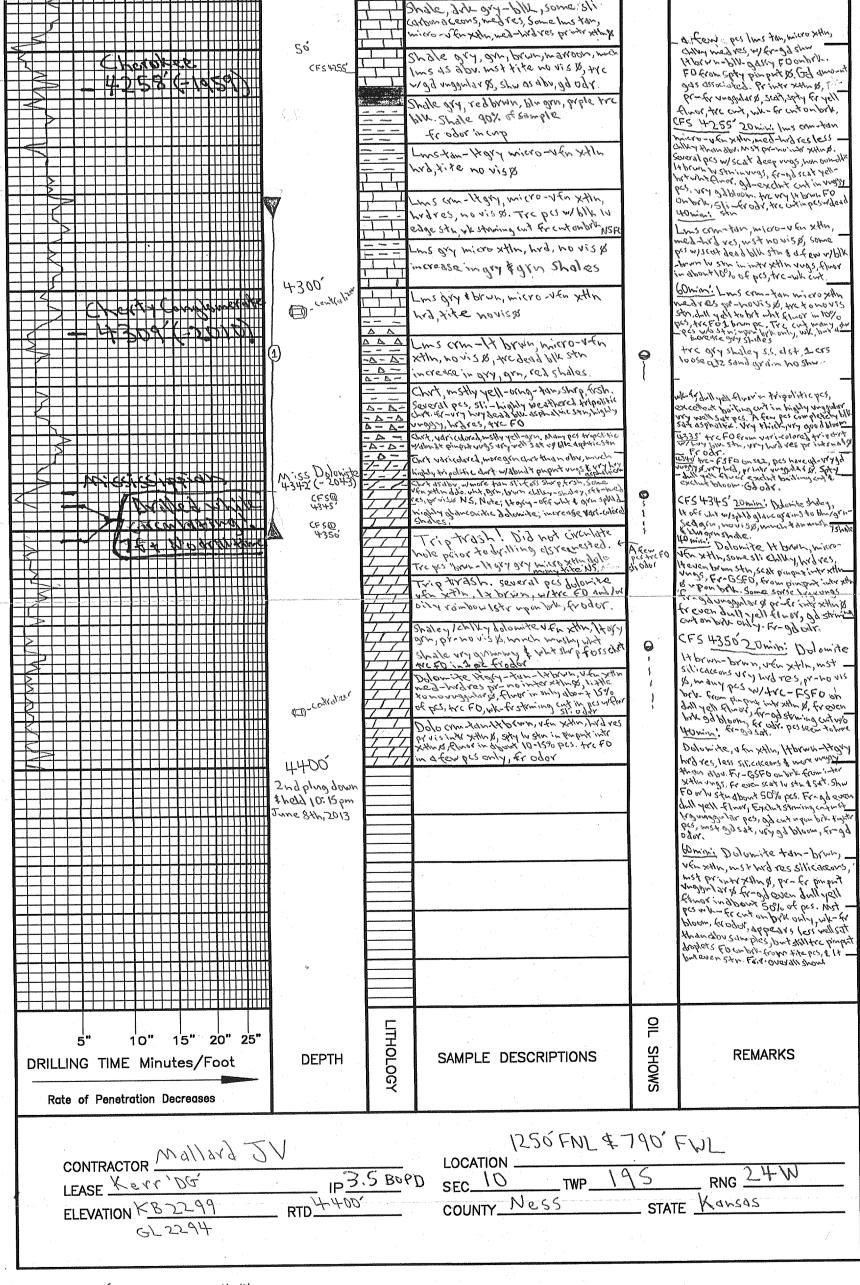
shi foss, ho vis & tre blk carb

surp fresh translant

resno

s crm, micro-ven xtlm, hrd no vis \$, some Chert Officet- 1+gry

			Lms com-Hory micro-vryfy Xtln, hord, no visø		
			Lms crm, Vfn xth, hrd, novis &		
	50		increase in gry, blk, red shalles. Lms crm-gry, micro xth, hrd, novist		
			hunch shale ory, 614, grh.		
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			Lms tan micro-vfr xtln, novisos vrjsli chlky		
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E Base Nowsas Statu			tre toss, ho vis &		
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			Shale gry, grn, prpl, brun, Much		ر
			his com as abo & drik gry for xtin, hid ies no vis so	1	
			Long orm, micro-vfr xtin, some chilly, no vis &, much 10 shale as dov		
			Lms crimit gry, micro-vin xilm, not chilly, novis &, shale as	•	
			dow strc pyrite xtls Lons tan, micro xtln, medres, Also		_]
	4100'		much shalley los, gry/grn, modiles, grn Shabey to glanconitic. All novis 10		
	n - palm An		Shale of y, prpl, Mstly Ins crm- tan no wis & fre slishaley Ins as do		
	unden terunda ministeren dara undersang propertiegen segmenteren generale		Lims stischaley, micro xtln, hrd res, w/prpishaley, rink, novis &	anaan ahaa ahaa yada ahaa ahaa ahaa ahaa ahaa	
			Tre briteredearthy shale Lms cm-tan, micro-utn xtln,		
			tre pes wy dead bit sim tre pes wy dead bit sim Lans com, micro-ven xthin, some stichtly	4357	pes why sty exhibit where yell -
			wid res, many pes wised dead bits surface servi a few pes wis pty to brown sin in vry sprse pin put surface unas		thor, whe - for straining curt, for - gd bloom, 2pcs up tre bill FD on both. Mathy way for interstitud, por pinpoint_ ungendeted No oder.
	m.l		Los am-tan mico-ven xth Maras, mothy no vis strapes w		andonator No ager.
	50	1 4	Los Hory, microxthin, hord res	алан са алан са алан са	
	4		Los con-thory, micro-ven xth		
			novisø		
	•		Shale, dr. gry, gry, redbrow, How fissile, Mostly was as abo		
			Lus gry micro XHu, hrdres novis x & much shale as dov		1 stud pelus w/treFO on brk Possibly from uphole.
			Shale gry, gry, red, Much Ims		
	4200		am-orthoviso.	i.	
			Shale gry grn, brow. Much Ins gry, microxxim, someshi shalley no vis g		
			Shale drv. ory-blv, orr, tre red. much louse hed dr-dubr md-sub		
	Short tried		and a ser water chinalate wat an entitled		
	Short trip@ 4217 - Base of 10 Marker Jut Sidius off bytm		Shale bring reast reast start	:	
F5	- Base of 10 Mortler Juit Sjaintoff by Labette 4230		Shale bring reast red 55 spring & Shale bring or pory, bling, tre orn ared, still much loss cheater- reddish its grains as about the control red w		
F5	- Base of 10 Mortler Juit Sjaintoff by Labette 4230		Shale bring reast reast start	0 0	



CFS 4405 30mini Dolomite, vtn xth, slichty/uttrath matrix, pr-no vis &, hrdres, most po no show, fluer only in about S? of pos, only accorpte pos we tree FO, probably from uphole. sti odor, littely drilled out of show. Much whit dilk / shale in Sample.

4400'60 mili' Dolomite It gry ton ufn xtln, hrdres pr-hovis 10, sti more rongh/bmpy text than dov & sti less chlky, but effervesses readily & anichly, fluor in less than S% of pcs. NSFO, sli odor, lost show. Tre frsh, wht-de semi transfucent dert.