Kansas Corporation Commission Confidentiality Requested: OIL & GAS CONSERVATION DIVISION Yes No

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
Address 2:			Feet from North / South Line of Section
City: Sta	ate: Zi	p:+	Feet from East / West Line of Section
Contact Person:			Footages Calculated from Nearest Outside Section Corner:
Phone: ()			□ NE □ NW □ 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: Well #:
New Well Re-l	Entry	Workover	Field Name:
			Producing Formation:
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ D&A ☐ OG	GSW	Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	d3vv	remp. Abu.	Amount of Surface Pipe Set and Cemented at: Fee
Cathodic Other (Core,	. Expl., etc.);		Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info			If yes, show depth set: Feet
Operator:			If Alternate II completion, cement circulated from:
Well Name:			feet depth to:w/sx cmt
Original Comp. Date:			·
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from the Reserve Pit)
O constituents at	D		Chloride content: ppm Fluid volume: bbls
CommingledDual Completion			Dewatering method used:
SWD			Location of fluid disposal if hauled offsite:
☐ ENHR			Location of hala disposal in fladica offsite.
☐ GSW			Operator Name:
_			Lease Name: License #:
Spud Date or Date Read	ched TD	Completion Date or	QuarterSecTwpS. R East Wes
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 Approved by: Date:				



CORRECTION #1

Operator Name: _ Lease Name: __ Well #: _ County: _ INSTRUCTIONS: Show important tops 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. Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF). No **Drill Stem Tests Taken** Yes Loa Formation (Top), Depth and Datum Sample (Attach Additional Sheets) Name Top Datum No Samples Sent to Geological Survey Yes No J Yes Cores Taken No Electric Log Run ___ Yes List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight Setting Type of # Sacks Type and Percent Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement # Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3) Yes Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? No (If No, skip question 3) Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? (If No, fill out Page Three of the ACO-1) Yes PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated Depth (Amount and Kind of Material Used) TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No Date of First, Resumed Production, SWD or ENHR. Producing Method: Gas Lift Flowing Pumping Other (Explain) **Estimated Production** Bbls. Oil Bbls Gas Mcf Water Gas-Oil Ratio Gravity Per 24 Hours METHOD OF COMPLETION: DISPOSITION OF GAS: PRODUCTION INTERVAL: Open Hole Perf. Dually Comp. Commingled

Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Form	ACO1 - Well Completion		
Operator	White Pine Petroleum Corporation		
Well Name	Wethington 2		
Doc ID	1242487		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	323	60/40 POZ	225	
Production	7.875	5.5	14	4450	AAZ	200	

Summary of Changes

Lease Name and Number: Wethington 2

API/Permit #: 15-077-22065-00-00

Doc ID: 1242487

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	10/31/2014	02/12/2015
Date of First or Resumed Production or SWD or Enhr	10/30/2014	2/10/2015
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=12 29954	//kcc/detail/operatorE ditDetail.cfm?docID=12 42487



Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1229954

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

CONFIDENTIAL WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

KOLAR Document ID: 1229954

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.		n.	i donei Al.				

Form	ACO1 - Well Completion		
Operator	White Pine Petroleum Corporation		
Well Name	Wethington 2		
Doc ID	1229954		

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth	
4	4374-4379	1500 Gallons Mud Acid	4374-4379	
		1250 Gallons Mud Acid	4374-4379	
		1500 Gallons Mud Acid	4374-4379	

Form	ACO1 - Well Completion		
Operator	White Pine Petroleum Corporation		
Well Name	Wethington 2		
Doc ID	1229954		

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	323	60/40 POZ	225	
Production	7.875	5.5	14	4450	AAZ	200	

ALLIED OIL & GAS SERVICES, LLC 056635 Federal Tax I.D.# 20-5975804

REMITTO P.O. B RUSS	ELL, KANSAS			SERVICE POINT:			
DATE 7. 2.13	SEC. 8 TWP	RANGE 5	CALLED OUT	ON LOCATION	JOB START	JOB FINISH	
Salser LEASE		M.	0	, 4	COUNTY	STATE .	
	WELL# 2		ditine Los	d /	Harper	13	
ØLDOR NEW (Cir	rcle one)	120mly 40 2	by sign 30 e	357 An 1908	12 JU		
CONTRACTOR TYPE OF JOB		lorke 5"	OWNER	ის, 			
HOLE SIZE	4.3 F	T.D.	CEMENT			•	
CASING SIZE C	72	DEPTH	AMOUNT O	rdered2	ما يماد دون	140	
TUBING SIZE		DEPTH 1008		41 = 1			
DRILL PIPE		DEPTH	_ · _		·		
TOOL PRES. MAX		DEPTH MINIMUM	COMMON	120 EK	a 1790	\$2148.00	
MEAS. LINE		SHOE JOINT	COMMON_ POZMIX	80516		\$ 748,00	
CEMENT LEFT IN		OHOE JOHNI	GEL	6.88 sk		\$ 160.99	
PERFS.),	CHLORIDE			7 100.11	
DISPLACEMENT	See	Remarks	ASC		@		
	EOUIPMI	ENT					
				•	_@		
PUMPTRUCK (CEMENTER	tone P.			_@		
		lathran D			_@	,	
BULK TRUCK					@		
# 473	DRIVER J	e C.			_@		
BULK TRUCK						•	
#	DRIVER		HANDLING	211.47 7/3	@ 2.48	\$524.44	
			MILEAGE _	375.65 T/m		\$976,68	
	REMARI	KS:				\$ 4558.11	
-Se PI= SE-		8 E 5.75 STory			TOTAL	7 7 5 5 5 1 1	
D1= 2.4	13 44 80	5 - 5.13 21.19	-	SERVI	CE		
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A P2= 355	20 661	= 5.75點rru	DEPTH OF I			51	
992 = 355	120 [16]	= 5.75 trry	DEPTH OF J	OB	100	\$17.7020	
Dij = 1.73	420 -		PUMP TRUC EXTRA FOO	OB CK CHARGE	/00	\$1779.20	
Dis = 1.73	ent 02	= 5.75 thry 52 = 130sk	PUMP TRUC EXTRA FOO MILEAGE	OB_ CK CHARGE OTAGE Heavy 42m	@ @ 7.70	\$4750.20	
Dis = 1.73	420 -		PUMP TRUC EXTRA FOO MILEAGE	OB CK CHARGE	/00	1250,00	
Dis = 1.73	ent 02		PUMP TRUC EXTRA FOO MILEAGE	OB_ CK CHARGE OTAGE Heavy 42m	/ <i>○</i> 00 @ 7.70 @ 4.40 @	1250,00	
Dis = 1.73 * Run cem	and 0 2	52 = 130sk	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB_ CK CHARGE OTAGE Heavy 42m	@ @ @ @ 4.40	1250,00	
Dis = 1.73 * Run cem	and 0 2		PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB_ CK CHARGE OTAGE Heavy 42m	/ <i>C</i> 00 @ <mark>7.つ0</mark> @ 4.4 0 @	\$ 1250,00 \$ 32340 \$ 184,60	
Dis = 1.73 ** Run cen	and 0 2	52 = 130sk	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB_ CK CHARGE OTAGE Heavy 42m	/ <i>C</i> 00 @ <mark>7.つ0</mark> @ 4.4 0 @	1250,00	
Dis = 1.73 ** Run Cen	white	52' = 1305K	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB_ CK CHARGE OTAGE Heavy 42m	/ <i>C</i> 00 @ <mark>7.つ0</mark> @ 4.4 0 @	\$ 1250,00 \$ 32340 \$ 184,60	
Dis = 1.73 ** Run Cem ** Run	white	52 = 130sk	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE Heavy 42m Light 42m	/ <i>COO</i> @ 7.つ0 @ 4.40 @	\$ 1758.20	
Dis = 1.73 ** Run Cen	white	52' = 1305K	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB_ CK CHARGE OTAGE Heavy 42m	(アンパンの) (できまり)	\$ 1758. 20	
Dis = 1.73 ** Run Cen	white	52' = 1305K	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE Heavy 42m Light 42m	(30) @ 7.70 @ 4.40 @ 7.70 TOTAL	\$ 1758. 20	
Dis = 1.73 ** Run Cen	white	52' = 1305K	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE Heavy 42m Light 42m	(30) @ 7.70 @ 4.43 @ 7.70 TOTAL	\$ 1758. 20	
Dis = 1.73 ** Run cen ** Run	white STATE	1521 = 1305K	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE Heavy 42m Light 42m	(7.70 @ 4.40 @ 4.40 @ TOTAL	\$ 1758. 20	
CHARGE TO: CITY To: Allied Oil & Comments	Mhike STATE Gas Services, I	152 = 1305K Bru Billion ZIP LC.	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE Heavy 42m Light 42m	(30) @ 7.70 @ 4.43 @ 7.70 TOTAL	\$ 1758. 20	
CHARGE TO: STREET CITY To: Allied Oil & CYou are hereby re	Mhike STATE Gas Services, I quested to rent	Bre Biller I ZIP LLC. t cementing equipmen	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE Heavy 42m Light 42m	(7.70 @ 4.40 @ 4.40 @ TOTAL T EQUIPMEN ()	\$ 1758. 20	
CHARGE TO: STREET CITY To: Allied Oil & CYou are hereby reand furnish cemer	STATE	Bre Biller I ZIP LLC. t cementing equipment of some state of the second seco	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE Heavy 42m Light 42m	() () () () () () () () () ()	\$ 1758. 20	
CHARGE TO: STREET CITY To: Allied Oil & G You are hereby re and furnish cemer contractor to do w	Gas Services, I quested to rent niter and helper work as is listed	Rre Biller I ZIP LLC. It cementing equipment (s) to assist owner or I. The above work was	PUMP TRUC EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE Heavy 42m Light 42m	() () () () () () () () () ()	\$ 1758. 20	
CHARGE TO: STREET CITY To: Allied Oil & CYou are hereby re and furnish cemer contractor to do we done to satisfaction.	Gas Services, I equested to rent noter and helper work as is listed on and supervision.	Rra Police I ZIP LLC. It cementing equipmen (s) to assist owner or I. The above work was sion of owner agent or	PUMP TRUCE EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE OTAGE Heavy 42m Light 42m PLUG & FLOA	7.70 @ 4.40 @ 4.40 @ TOTAL	\$ 1758. 20	
CHARGE TO: STREET CITY To: Allied Oil & Oyou are hereby re and furnish cemel contractor to do we done to satisfactic contractor. I have	Gas Services, I equested to rent end helper work as is listed on and supervise e read and under the services and supervise e read and under the services are services.	Rne Biller I ZIP LLC. t cementing equipmen (s) to assist owner or I. The above work was sion of owner agent or erstand the "GENERA"	PUMP TRUCE EXTRA FOO MILEAGE MANIFOLD	OB_CK CHARGE_OTAGE OTAGE Heavy H2m Light 42m PLUG & FLOAT	TOTAL TOTAL TOTAL TOTAL TOTAL	\$ 1758. 20	
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CHARGE TO: STREET CITY To: Allied Oil & Oyou are hereby re and furnish cemer contractor to do we done to satisfactic contractor. I have TERMS AND CO	Gas Services, I equested to rent inter and helper work as is listed on and supervise e read and under the control of the contr	Rre Biffe I ZIP ZIP LLC. t cementing equipment of the above work was sion of owner agent or erstand the "GENERA listed on the reverse si	PUMP TRUCE EXTRA FOO MILEAGE MANIFOLD	OB CK CHARGE OTAGE OTAGE Heavy 42m Light 42m PLUG & FLOA	TOTAL TOTAL TOTAL TOTAL TOTAL	\$ 1758. 20	



TREATMENT REPORT

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White Pine Petroleum Corp.

5-33s-5w Harper Co., Ks.

110 S Main St. STE 500 Wichita, Ks. 67202 Wethington #2

Job Ticket: 54196

DST#: 1

ATTN: Pat Deenihan

Test Start: 2014.07.13 @ 02:18:27

GENERAL INFORMATION:

Formation: Mississippi

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

Time Tool Opened: 06:39:27 Tester: Matt Smith
Time Test Ended: 13:05:57 Unit No: 53

Interval: 4370.00 ft (KB) To 4377.00 ft (KB) (TVD) Reference Elevations: 1346.00 ft (KB)

Total Depth: 4377.00 ft (KB) (TVD) 1336.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6773 Outside

Press@RunDepth: 86.39 psig @ 4371.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2014.07.13
 End Date:
 2014.07.13
 Last Calib.:
 2014.07.13

 Start Time:
 02:18:32
 End Time:
 13:05:57
 Time On Btm:
 2014.07.13 @ 06:19:57

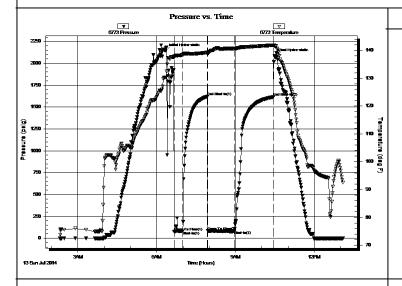
Time Off Btm: 2014.07.13 @ 10:28:42

TEST COMMENT: IF: Weak blow . Surf., - 3 1/2". Bleed off 1 min.

ISI: No blow.

FF: Fair blow . Surf., - 9". Bleed off 3 mins.

FSI: No blow.



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2144.55	130.29	Initial Hydro-static
20	75.47	137.78	Open To Flow (1)
39	82.97	138.44	Shut-In(1)
96	1621.06	139.25	End Shut-In(1)
97	84.34	138.87	Open To Flow (2)
157	86.39	140.69	Shut-In(2)
247	1614.88	141.86	End Shut-In(2)
249	2085.77	141.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOWCM 8%o 11%w 27%g 54%m	0.30
60.00	GOCM 1%o 5%g 96%m	0.30
30.00	Drlg Mud w / trc oil 100%m	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 54196 Printed: 2014.07.13 @ 19:35:10



White Pine Petroleum Corp.

5-33s-5w Harper Co., Ks.

110 S Main St. STE 500 Wichita, Ks. 67202 Wethington #2

Job Ticket: 54196

DST#: 1

ATTN: Pat Deenihan

Test Start: 2014.07.13 @ 02:18:27

Test Type: Conventional Bottom Hole (Initial)

GENERAL INFORMATION:

Formation: Mississippi

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 06:39:27 Tester: Matt Smith
Time Test Ended: 13:05:57 Unit No: 53

Interval: 4370.00 ft (KB) To 4377.00 ft (KB) (TVD) Reference Elevations: 1346.00 ft (KB)

Total Depth: 4377.00 ft (KB) (TVD) 1336.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6719 Inside

 Press@RunDepth:
 psig
 @
 4371.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2014.07.13 End Date: 2014.07.13 Last Calib.: 2014.07.13

Start Time: 02:18:53 End Time: 13:06:03 Time On Btm:

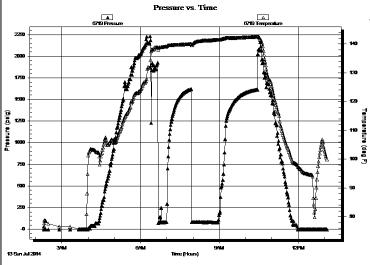
Time Off Btm:

TEST COMMENT: IF: Weak blow . Surf., - 3 1/2". Bleed off 1 min.

ISI: No blow.

FF: Fair blow . Surf., - 9". Bleed off 3 mins.

FSI: No blow.



	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Temperature (deg F)				
2				
â				
Ĵ				

Recovery

Description	Volume (bbl)
GOWCM 8%o 11%w 27%g 54%m	0.30
GOCM 1%o 5%g 96%m	0.30
Drlg Mud w / trc oil 100%m	0.42
	GOWCM 8%o 11%w 27%g 54%m GOCM 1%o 5%g 96%m

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 54196 Printed: 2014.07.13 @ 19:35:10



FLUID SUMMARY

White Pine Petroleum Corp.

5-33s-5w Harper Co., Ks.

110 S Main St. STE 500 Wichita, Ks. 67202 Wethington #2

Job Ticket: 54196 **DST#:1**

ATTN: Pat Deenihan

Test Start: 2014.07.13 @ 02:18:27

Mud and Cushion Information

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

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 6500 ppm

Viscosity: 46.00 sec/qt Cushion Volume: bbl

Water Loss: 9.19 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 6500.00 ppm Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOWCM 8%o 11%w 27%g 54%m	0.295
60.00	GOCM 1%o 5%g 96%m	0.295
30.00	Drlg Mud w / trc oil 100%m	0.421

Total Length: 150.00 ft Total Volume: 1.011 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 54196 Printed: 2014.07.13 @ 19:35:11

- 75 A

Temperature (deg F)

90

80

□ □ □ 0773 Temperature

DST Test Number: 1

∰inal Hydro-static

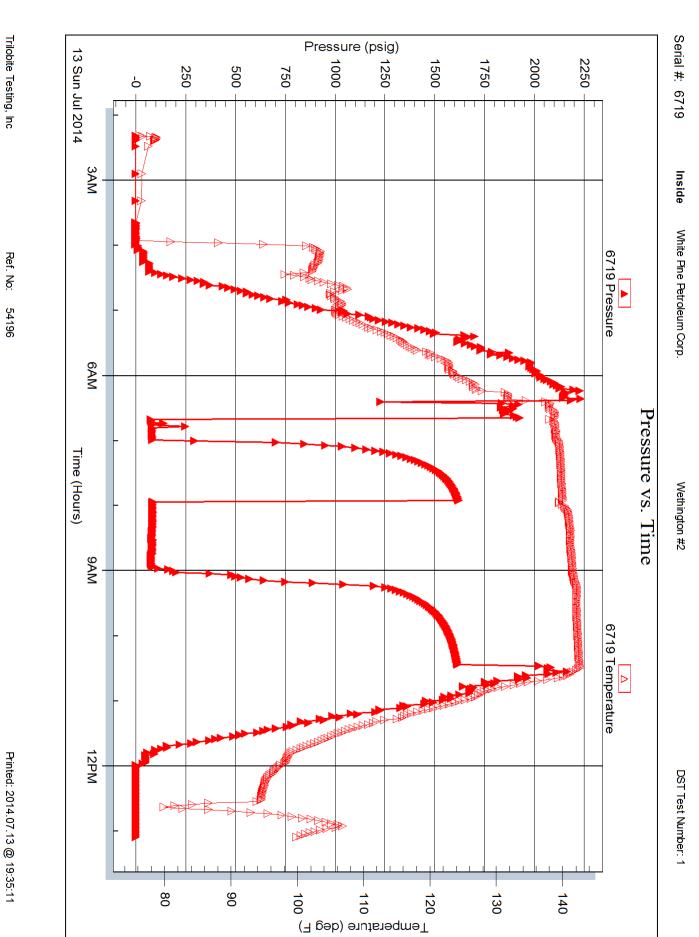
140

130

120

12PM

70





White Pine Petroleum Corp.

Wethington #2

110 S Main St. STE 500 Wichita, Ks. 67202

Job Ticket: 54197 **DST#: 2**

ATTN: Pat Deenihan

Test Start: 2014.07.13 @ 22:33:25

5-33s-5w Harper Co., Ks.

GENERAL INFORMATION:

Formation: Miss/Osage

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

Time Tool Opened: 01:54:25
Tester: Matt Smith
Time Test Ended: 07:59:10
Unit No: 53

Interval: 4399.00 ft (KB) To 4405.00 ft (KB) (TVD) Reference ⊟evations: 1346.00 ft (KB)

Total Depth: 4405.00 ft (KB) (TVD) 1336.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6773 Outside

Press@RunDepth: 352.22 psig @ 4400.00 ft (KB) Capacity: 8000.00 psig

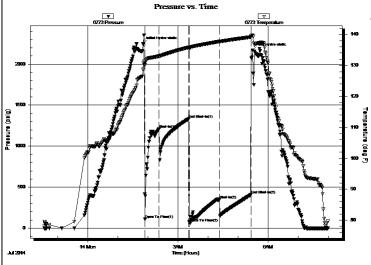
 Start Date:
 2014.07.13
 End Date:
 2014.07.14
 Last Calib.:
 2014.07.14

 Start Time:
 22:33:30
 End Time:
 07:59:10
 Time On Btm:
 2014.07.14 @ 01:49:55

Time Off Btm: 2014.07.14 @ 05:28:40

TEST COMMENT: IF: Weak blow . Surf., - 1/2".

ISI: No blow . FF: No blow . FSI: No blow .



	PRESSURE SUMMARY								
Ī	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	2244.59	128.66	Initial Hydro-static					
	5	111.03	130.16	Open To Flow (1)					
	33	1209.76	133.05	Shut-In(1)					
	92	1331.90	135.83	End Shut-In(1)					
	93	65.76	135.65	Open To Flow (2)					
	153	352.22	137.72	Shut-In(2)					
	216	408.62	139.17	End Shut-In(2)					
	219	2165.89	139.77	Final Hydro-static					

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drlg Mud 100%m	0.02
* Recovery from mul	tiple tests	

Gas Rat	es	
Choke (inches)	Proceure (peig)	Cas Pate (Mof/d)

Trilobite Testing, Inc Ref. No: 54197 Printed: 2014.07.14 @ 08:49:07



FLUID SUMMARY

White Pine Petroleum Corp.

5-33s-5w Harper Co., Ks.

110 S Main St. STE 500 Wichita, Ks. 67202 Wethington #2

Job Ticket: 54197

DST#: 2

ATTN: Pat Deenihan

Test Start: 2014.07.13 @ 22:33:25

Mud and Cushion Information

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

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 5000 ppm

Viscosity: 47.00 sec/qt Cushion Volume: bbl

Water Loss: 9.59 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 5000.00 ppm Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drlg Mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: none

Trilobite Testing, Inc Ref. No: 54197 Printed: 2014.07.14 @ 08:49:08

ind Shut-In(2)

90

Temperature (deg F)

120

130

6773 Temperature

ydro-static

140

⊲

DST Test Number: 2

6AM

80