

Kansas Corporation Commission Oil & Gas Conservation Division

1119140

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
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 SWD 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
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	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:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
ENHR Permit #:	County: Permit #:
GSW Permit #:	. 5
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

1119140

Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	osed, flowing and shu es if gas to surface te	d base of formations per t-in pressures, whether s st, along with final chart(well site report.	shut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geo	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
			_	ew Used			
Durnous of String	Size Hole	Report all strings set-	conductor, surface, int	ermediate, producti Setting	on, etc. Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIONAL	CEMENTING / SQI	IEEZE DECODO			
Purpose:	Depth			JEEZE RECORD	Time and F	Doroont Additivoo	
Perforate	Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Shots Per Foot	PERFORATION Specify I	ON RECORD - Bridge Plug Footage of Each Interval Per	gs Set/Type		cture, Shot, Cement		l Depth
	Зреспу і	Octage of Lacri Interval Fer	lorateu	(Al	TIOUTIL ATTU KITIU OF WIE	iteriai Oseu)	Бериі
TUDING DECORD.	Si=a.	Cot Atı	Packer At:	Liner Dun			
TUBING RECORD:	Size:	Set At:	Packer At.	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Met		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf War	er Bl	bls. (Gas-Oil Ratio	Gravity
	ON OF GAS:		METHOD OF COMPL		amin ala -l	PRODUCTIO	N INTERVAL:
Vented Solo		Open Hole	Perf. Dually (Submit		nmingled mit ACO-4)		
(ii ventea, Sui	bmit ACO-18.)	Other (Specify)			l —		

Form	ACO1 - Well Completion
Operator	Ponderosa Witching, LLC
Well Name	E & J Legacy Epp 3
Doc ID	1119140

All Electric Logs Run

DUAL INDUCTION
COMPENSATED DENSITY-NEUTRON
MICRORESISTIVITY
SONIC CEMENT BOND

Form	ACO1 - Well Completion
Operator	Ponderosa Witching, LLC
Well Name	E & J Legacy Epp 3
Doc ID	1119140

Tops

Name	Тор	Datum
HEEBNER	3832'	-1868
IATAN	4001'	-2037
LANSING	4110'	-2046
PAWNEE	4437	-2473
CHEROKEE SHALE	4496'	-2532
MARQUOKETA	4523'	-2559
VIOLA	4596'	-2632
SIMPSON SHALE	4675'	-2711
ARBUCKLE	4771'	-2807



PO Box 93999 Southlake, TX 76092

Voice: Fax: (817) 546-7282 (817) 246-3361

Bill To:

Ponderosa Witching LLC 110 A Spring Creek Waco, TX 76705 INVOICE

Invoice Number: 132441

Invoice Date: Aug 21, 2012

Page: 1



Customer ID	Well Name/# or Customer P.O.			
Pond	Panel		Payment Terms	
Job Location	EPPS #3 Camp Location	Net 30 Days		
K\$1-02	Medicine Lodge	Service Date	Due Date	
	The state of the s	Aug 21, 2012	9/20/12	

luantity	Item	D		_ ·	9/20/12
30.00		Class A Common		Unit Price	Amount
20.00		Pozmix		16.25	487.50
	MAT	Gel	!	8.50	170.00
175.00		Class H Premium	1	21.25	42.50
17.00		Gyp Seal	1	19.25	3,3 68.75
19.00		Salt	-	34.20	581.40
1,050.00		Kol Seal	İ	23.95	455.05
131.00		FL-160		0.89	934.50
43.00		Flo Seal		17.20	2,253.20
500.00		ASF		2.70	116.10
8.00		Cla Pro	-	1.27	635.00
285.34		Cubic Feet		31.25	250.00
371.10		Ton Mileage		2.10	599.21
1.00		Production Casing		2.35	872.09
30.00		Pump Truck Mileage		2,405.00	2,405.00
1.00		Manifold Head Rental		7. 0 0	210.00
30.00		Light Vehicle Mileage	[200.00	200.00
1.00		4.5 Guide Shoe	}	4.00	120.00
1.00		4.5 AFU Insert		192.00	192.00
10.00		4.5 Centralizer		249.00	249.00
1.00		4.5.Top Rubber Plug		48.00	480.00
		TOP TOP TOO DE FILEY		71.00	71.00

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 2938.40

ONLY IF PAID ON OR BEFORE Sep 15, 2012

Subtotal	Cooking
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	Continued
TOTAL	Continued



PO Box 93999 Southlake, TX 76092

Voice: Fax:

(817) 546-7282

(817) 246-3361

Bill To:

Ponderosa Witching LLC 110 A Spring Creek Waco, TX 76705



Invoice Number: 132441

Invoice Date: Aug 21, 2012

Page: 2



Customer ID	- Well Namei# or Customer P.O.	Payment Terms		
Pond	EPPS #3	Net 30	Days	
Job Location	Camp Location	Service Date Due Date		
KS1-02	Medicine Lodge	Aug 21, 2012	9/20/12	

Quantity	Item	Description	Unit Price	Amount
1.00	CEMENTER	David Felio		
1.00	CEMENTER	Darin Franklin	į	
1.00	EQUIP OPER	Eddie Piper		
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· · · · · · · · · · · · · · · · · · ·		Suhtotal	·	14 692 30

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

O<u>NLY IF PAID ON OR BEFORE</u> Sep 15, 2012

Subtotal	14,692,30
Sales Tax	750.88
Total Invoice Amount	15,443.18
Payment/Credit Applied	
TOTAL	15,443.18

9-4-12

ALLIED OIL & GAS SERVICES, LLC

REMIT TO P.O. BOX 31

done to satisfaction and supervision of owner agent or

contractor. I have read and understand the "GENERAL

RHS		NSAS 676	65		SI	ERVICE POINT:	
1,000	occe, Kr	ONO CAUFI	103			Medici	ne Lodge Ks
DAT#8-21-12	SEC. 27	TWP. 295	RANGE 15 W	CALLED OUT	ON LOCATIO	N JOB START	IOB FINISH
LEASE E PPS	WELL#	3	LOCATION Cond	x Ks - 10 130	th 4 2.	COUNTY	STATE
OLD OR(NEW (Circle one) 1/4 & wts				1 10 10	/ 	TRACE	1 1 1 2
CONTRACTOR	Stee	ling 4			ρ,	· · · · · · · · · · · · · · · · · · ·	
TYPE OF JOB P				OWNER	l'a ndevosa	Witching	
HOLE SIZE 7 1/8			D. 48 50				
CASING SIZE 4	7/			CEMENT	54	sx 60/40	4 / 10
TUBING SIZE	<u>r</u>		EPTH 4 782	AMOUNT C	RDERED 30	5x (90) / (7)	7/09219
DRILL PIPE	· · · · · · · · · · · · · · · · · · ·		EPTH		ass # 10 %	yp + 10% sal	15 * 6/4
TOOL		· · - -	EPTH	<u>\%%.FL.</u>	60 + /4 FFlor	<u> `>009e/</u>	HSF # 6/4
PRES. MAX //o	Λ		EPTH				
MEAS. LINE			INIMUM				_
CEMENT LEFT I	N CSC T		IOE JOINT 20.6				
PERFS.	14 C3G. Z	<u> </u>		GEL _	<u>-</u> -	@	
	r 77	RLL	KCL Water	CHLORIDE		@	
DISPLACEMENT				ASC		@	
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PUMP TRUCK	CEMEN	TER D	Felm				. <u>. </u>
# 5 58-5 5 5	HELPER	D ERI	e Kson	 -		@	
BULK TRUCK	'	_				@	
#364	DRIVER	E einle		·	<u> </u>	@	
BULK TRUCK						@	
#	DRIVER			4		@	· · · · · · · · · · · · · · · · · · ·
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			4%	1 AFU	Inser T		
To: Allied Oil & Gas Services, LLC.				10 - CEA	tralizer	<u>\$</u> @	
You are hereby requested to rent cementing equipment				1- TRF	}		
and furnish ceme	nter and i	helper(s) t	o assist owner or				
contractor to do v	vork as is	listed T	he above work was				
		11	woo to noik was				

TOTAL _____



Prepared For: Ponderosa Witching LLC

110 A Spring Creek Waco TX 76705

ATTN: Dave Williams

27-29s-15w Pratt,KS

E & J Legacy Epp #1

Start Date: 2012.08.19 @ 01:55:59 End Date: 2012.08.19 @ 08:45:14 Job Ticket #: 47597 DST #: 1

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



Ponderosa Witching LLC

110 A Spring Creek Waco TX 76705

ATTN: Dave Williams

E&J Legacy Epp #1

27-29s-15w Pratt,KS

Job Ticket: 47597 **DST#:1**

Test Start: 2012.08.19 @ 01:55:59

GENERAL INFORMATION:

Formation: Maquoketa

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:02:14 Time Test Ended: 08:45:14

Interval: 4485.00 ft (KB) To 4590.00 ft (KB) (TVD)

Total Depth: 4590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Reference Elevations: 1963

1963.00 ft (KB) 1954.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press@RunDepth: 25.54 psig @ 4486.00 ft (KB) Capacity: 8000.00 psig

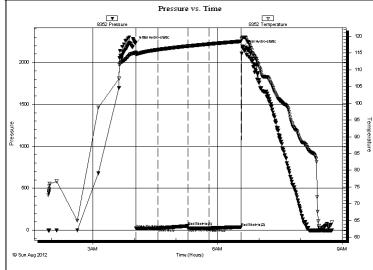
 Start Date:
 2012.08.19
 End Date:
 2012.08.19
 Last Calib.:
 2012.08.19

 Start Time:
 01:56:04
 End Time:
 08:45:13
 Time On Btm:
 2012.08.19 @ 04:01:14

 Time Off Btm:
 2012.08.19 @ 06:35:59

TEST COMMENT: IF: Weak blow . 1/4". Dead in 22 mins.

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



Temp Annotation Time Pressure (Min.) (psig) (deg F) 0 2229.86 115.04 Initial Hydro-static 22.10 114.36 Open To Flow (1) 1 33 24.92 115.96 | Shut-In(1) 76 51.76 117.04 End Shut-In(1) 77 25.05 117.03 Open To Flow (2) 25.54 107 117.64 Shut-In(2) 153 38.19 118.47 End Shut-In(2) 119.59 Final Hydro-static 155 2182.91

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drlg.mud	0.02

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

Trilobite Testing, Inc Ref. No: 47597 Printed: 2012.08.24 @ 10:43:56



Ponderosa Witching LLC

110 A Spring Creek Waco TX 76705

ATTN: Dave Williams

E & J Legacy Epp #1

27-29s-15w Pratt, KS

Job Ticket: 47597 DST#: 1

Test Start: 2012.08.19 @ 01:55:59

GENERAL INFORMATION:

Formation: Maquoketa

Deviated: Whipstock: No ft (KB)

Time Tool Opened: 04:02:14 Time Test Ended: 08:45:14

Interval: 4485.00 ft (KB) To 4590.00 ft (KB) (TVD)

Total Depth: 4590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Initial) Gary Pevoteaux

56

Unit No:

Tester:

Reference Elevations: 1963.00 ft (KB)

1954.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8370 Inside

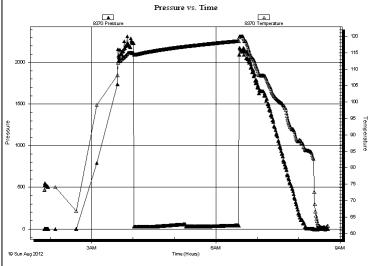
Press@RunDepth: 4486.00 ft (KB) 8000.00 psig psig @ Capacity:

Start Date: 2012.08.19 End Date: 2012.08.19 Last Calib.: 2012.08.19

Start Time: 01:51:39 End Time: Time On Btm: 08:42:18 Time Off Btm:

TEST COMMENT: IF: Weak blow . 1/4". Dead in 22 mins.

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



PRESSURE SUMMARY

	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
	, ,	(1 0)	() /	
1				
Temperature				
ure				

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drlg.mud	0.02

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 47597 Printed: 2012.08.24 @ 10:43:57



TOOL DIAGRAM

Ponderosa Witching LLC

110 A Spring Creek Waco TX 76705 27-29s-15w Pratt,KS

Job Ticket: 47597

E&J Legacy Epp #1

DST#: 1

78000.00 lb

ATTN: Dave Williams

Test Start: 2012.08.19 @ 01:55:59

Tool Information

Drill Pipe: Length: 4270.00 ft Diameter:
Heavy Wt. Pipe: Length: 0.00 ft Diameter:
Drill Collar: Length: 210.00 ft Diameter:

3.80 inches Volume: 59.90 bbl
0.00 inches Volume: 0.00 bbl
2.25 inches Volume: 1.03 bbl
Total Volume: 60.93 bbl

Tool Weight: 2400.00 lb
Weight set on Packer: 24000.00 lb
Weight to Pull Loose: 86000.00 lb
Tool Chased 0.00 ft

String Weight: Initial 78000.00 lb

Final

Drill Pipe Above KB: 23.00 ft
Depth to Top Packer: 4485.00 ft
Depth to Bottom Packer: ft

Interval between Packers: 105.00 ft
Tool Length: 133.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4458.00		
Shut in tool	5.00			4463.00		
HMV	5.00			4468.00		
Jars	5.00			4473.00		
Safety Joint	3.00			4476.00		
Packer	4.00			4480.00	28.00	Bottom Of Top Packer
Packer	5.00			4485.00		
Stubb	1.00			4486.00		
Recorder	0.00	8370	Inside	4486.00		
Recorder	0.00	8352	Outside	4486.00		
Perforations	5.00			4491.00		
Blank Spacing	94.00			4585.00		
Bullnose	5.00			4590.00	105.00	Bottom Packers & Anchor

Total Tool Length: 133.00

Trilobite Testing, Inc Ref. No: 47597 Printed: 2012.08.24 @ 10:43:58



FLUID SUMMARY

Ponderosa Witching LLC

E & J Legacy Epp #1

110 A Spring Creek Waco TX 76705 27-29s-15w Pratt,KS

Job Ticket: 47597

ATTN: Dave Williams

DST#: 1

Test Start: 2012.08.19 @ 01:55:59

Mud and Cushion Information

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

Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity: 7000 ppm

Viscosity: 61.00 sec/qt Cushion Volume: bbl

Water Loss: 10.38 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 7000.00 ppm Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drlg.mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

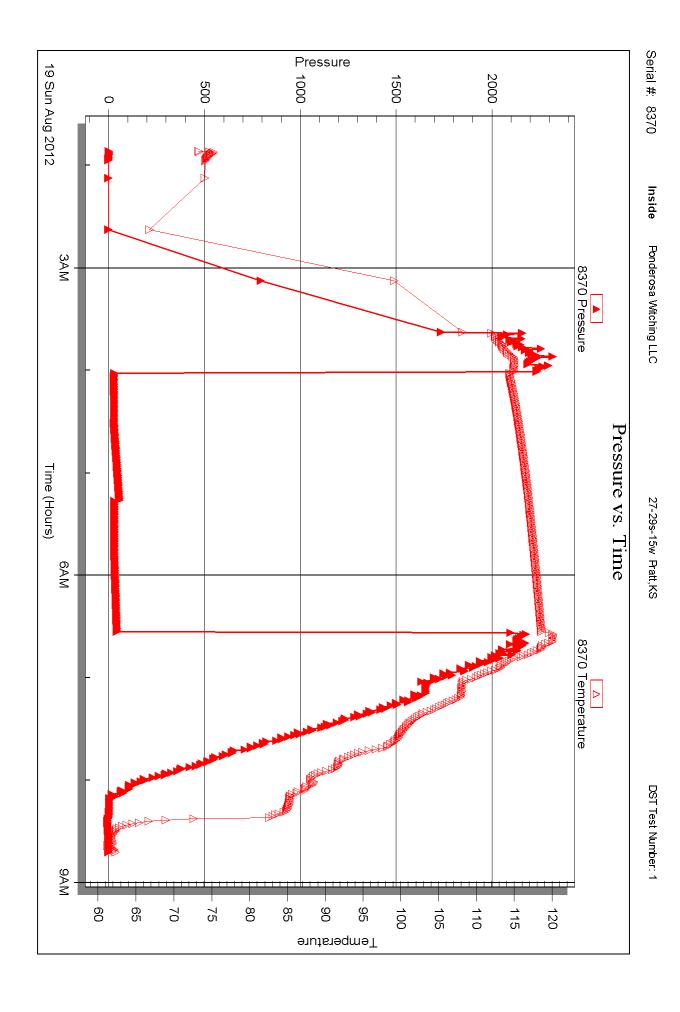
Trilobite Testing, Inc Ref. No: 47597 Printed: 2012.08.24 @ 10:43:59

Trilobite Testing, Inc

Ref. No:

47597

Printed: 2012.08.24 @ 10:44:00



Trilobite Testing, Inc

Ref. No:

47597

Printed: 2012.08.24 @ 10:44:00

Simpson Sd.



DRILL STEM TEST REPORT

Prepared For: Ponderosa Witching LLC

110 A Spring Creek Waco TX 76705

ATTN: Dave Williams

27-29s-15w Pratt,KS

E & J Legacy Epp #1

Start Date: 2012.08.20 @ 00:38:11 End Date: 2012.08.20 @ 08:29:26 Job Ticket #: 47598 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



Ponderosa Witching LLC

110 A Spring Creek Waco TX 76705

ATTN: Dave Williams

E&J Legacy Epp #1

27-29s-15w Pratt, KS

Job Ticket: 47598 DST#: 2

Test Start: 2012.08.20 @ 00:38:11

GENERAL INFORMATION:

Formation: Simpson Sd.

Deviated: Whipstock: ft (KB)

Time Tool Opened: 02:42:26 Time Test Ended: 08:29:26

Interval: 4668.00 ft (KB) To 4721.00 ft (KB) (TVD)

Total Depth: 4721.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Reference Elevations:

1963.00 ft (KB)

9.00 ft

1954.00 ft (CF)

KB to GR/CF:

Serial #: 8352 Outside

Press@RunDepth: 4669.00 ft (KB) 8000.00 psig 86.59 psig @ Capacity:

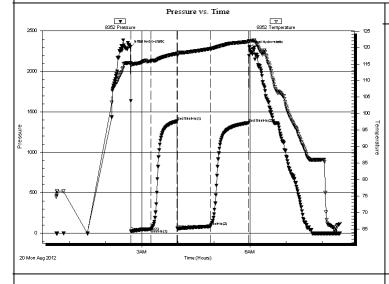
Start Date: 2012.08.20 End Date: 2012.08.20 Last Calib.: 2012.08.20 Start Time: 00:38:16 End Time: 2012.08.20 @ 02:41:11 08:29:25 Time On Btm: Time Off Btm: 2012.08.20 @ 05:59:26

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

ISI:No blow.

FF:Weak blow . 1/2 - 3".

FSI:No blow.



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2300.74	115.39	Initial Hydro-static
2	24.12	114.80	Open To Flow (1)
35	51.75	115.91	Shut-In(1)
78	1385.07	118.17	End Shut-In(1)
79	56.55	117.76	Open To Flow (2)
133	86.59	119.64	Shut-In(2)
196	1364.74	121.78	End Shut-In(2)
199	2292.05	122.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	OCM 18%o 82%m	0.64
15.00	Clean oil	0.07
0.00	120 ft.of GIP	0.00
* Recovery from mul	iple tests	

Gas Rates

Choke (inc	ches) Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc. Ref. No: 47598 Printed: 2012.08.24 @ 10:42:56



Ponderosa Witching LLC

E & J Legacy Epp #1

110 A Spring Creek Waco TX 76705 27-29s-15w Pratt,KS

56

Gary Pevoteaux

DST#: 2

1963.00 ft (KB)

1954.00 ft (CF)

Job Ticket: 47598

Tester:

Unit No:

ATTN: Dave Williams Test Start: 2012.08.20 @ 00:38:11

GENERAL INFORMATION:

Formation: Simpson Sd.

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

Time Tool Opened: 02:42:26
Time Test Ended: 08:29:26

Interval:

4668.00 ft (KB) To 4721.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 4721.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 8370 Inside

 Press@RunDepth:
 psig
 @
 4669.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2012.08.20 End Date: 2012.08.20 Last Calib.: 2012.08.20

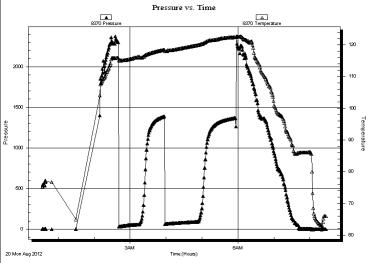
Start Time: 00:33:37 End Time: 08:26:31 Time On Btm: Time Off Btm:

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

ISI:No blow.

FF:Weak blow . 1/2 - 3".

FSI:No blow.



PRESSURE	SUMMARY
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	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Ţ				
Temperature				
ure				

Recovery

Length (ft)	Description	Volume (bbl)			
130.00	OCM 18%o 82%m	0.64			
15.00	Clean oil	0.07			
0.00	120 ft.of GIP	0.00			
* Recovery from multiple tests					

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 47598 Printed: 2012.08.24 @ 10:42:56



TOOL DIAGRAM

Ponderosa Witching LLC

110 A Spring Creek

ATTN: Dave Williams

27-29s-15w Pratt,KS

E&J Legacy Epp #1

Waco TX 76705

Job Ticket: 47598 **DST#:2**

String Weight: Initial 80000.00 lb

Final 80000.00 lb

Test Start: 2012.08.20 @ 00:38:11

Tool Information

Drill Pipe: Length: 4461.00 ft Diameter: 3.80 inches Volume: 62.58 bbl Tool Weight: 2400.00 lb 0.00 inches Volume: 0.00 bbl Heavy Wt. Pipe: Length: 0.00 ft Diameter: Weight set on Packer: 24000.00 lb Drill Collar: Length: 210.00 ft Diameter: 2.25 inches Volume: 1.03 bbl Weight to Pull Loose: 91000.00 lb Total Volume: Tool Chased 0.00 ft 63.61 bbl

Drill Pipe Above KB: 31.00 ft
Depth to Top Packer: 4668.00 ft
Depth to Bottom Packer: ft

Interval between Packers: 53.00 ft
Tool Length: 81.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4641.00		
Shut in tool	5.00			4646.00		
HMV	5.00			4651.00		
Jars	5.00			4656.00		
Safety Joint	3.00			4659.00		
Packer	4.00			4663.00	28.00	Bottom Of Top Packer
Packer	5.00			4668.00		
Stubb	1.00			4669.00		
Recorder	0.00	8370	Inside	4669.00		
Recorder	0.00	8352	Outside	4669.00		
Perforations	7.00			4676.00		
Blank Spacing	32.00			4708.00		
Perforations	8.00			4716.00		
Bullnose	5.00			4721.00	53.00	Bottom Packers & Anchor

Total Tool Length: 81.00

Trilobite Testing, Inc Ref. No: 47598 Printed: 2012.08.24 @ 10:42:57



FLUID SUMMARY

Ponderosa Witching LLC

E & J Legacy Epp #1

110 A Spring Creek Waco TX 76705 27-29s-15w Pratt,KS

Job Ticket: 47598

DST#: 2

ATTN: Dave Williams

Test Start: 2012.08.20 @ 00:38:11

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:31.3 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:7000 ppm

Viscosity: 51.00 sec/qt Cushion Volume: bbl

8.79 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 7000.00 ppm Filter Cake: 0.20 inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl	
130.00	OCM 18%o 82%m	0.639	
15.00	Clean oil	0.074	
0.00	120 ft.of GIP	0.000	

Total Length: 145.00 ft Total Volume: 0.713 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

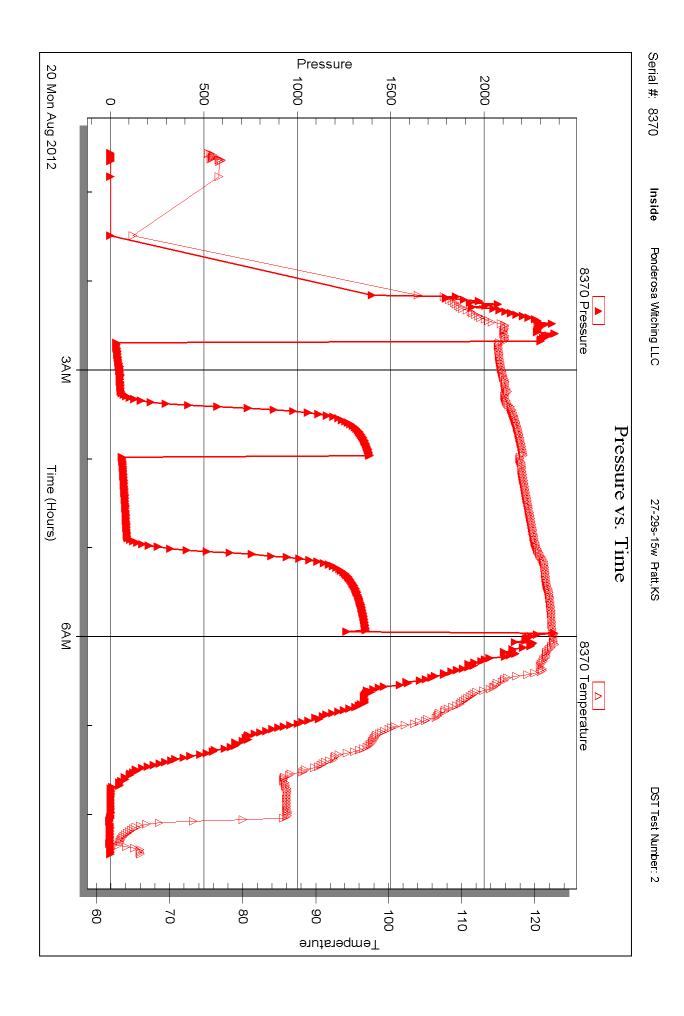
Trilobite Testing, Inc Ref. No: 47598 Printed: 2012.08.24 @ 10:42:58

Trilobite Testing, Inc

Ref. No:

47598

Printed: 2012.08.24 @ 10:42:59



Trilobite Testing, Inc

Ref. No:

47598

Printed: 2012.08.24 @ 10:43:00



RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

No. 47597

4/10 My = 10 M					
Address 110 A SPRING CR Co. Rep/Geo. DAVE WILLEAM	EEK, WAC	Elevation	963 16705 HERLI		4 GL
Interval Tested 4485 - 4590 Anchor Length 105 Top Packer Depth 448 Bottom Packer Depth 448 Total Depth 4590 Blow Description TF: Weeks Waw FSI: No Wow. FSI: No	Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides	MAQUD 42 7,000 ppm	Mu Vis O WL System LCI	d Wt 9.5 	(،
Rec S Feet of Duly Mule Rec Feet of Feet of Rec Feet of Feet of Rec Feet of Feet of		%gas %gas %gas %gas %gas	%oil %oil %oil %oil %oil	%water %water %water %water %water	%mud %mud %mud %mud %mud
Rec Total S Fluid BHT 118° (A) Initial Hydrostatic 223 O (B) First Initial Flow 22 (C) First Final Flow 25 (D) Initial Shut-In 52 (E) Second Initial Flow 25	Test 1250 Jars 250 Safety Joint 75 Circ Sub Hourly Standby	APIRW N.C.	T-On Locat T-Started _ T-Open _ T-Pulled _ T-Out _	olorides 7,00	(O) ppm 3 5 2 3
(F) Second Final Flow	□ Straddle □ Shale Packer □ Extra Packer □ Extra Recorder		☐ Ruined☐ Ruined☐ Extra C	Shale Packer Packer	
Final Shut-In	☐ Day Standby ☐ Accessibility Sub Total1660.25			Disc't	

Our Representative

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 or 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.



RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47598

4/10					
Well Name & No. E & 5 LEG			2	Date 8 - 5	20-12
Company CONDERCOSA W) with a cic	Elevation	1963	KB 1956	+ GL
Address 110 A Spizzo	a CREEK, WAG	=0 Tx	16705		,
Co. Rep/Geo. DAVE WIL	LIAMS	Rig S		5 Dizies	DY
Location: Sec. 27 Twp	295 Rge. 5W	()	てて		
Interval Tested 4668 - 4	1	Simps	ON 50.		
Anchor Length	S3 Drill Pipe Run	44	61' ML	id Wt. 9,4	
Top Packer Depth		7	Vis	51	
	11 1 0 '		O WI	8.8	ec
Total Depth		7,000 ppm			
Blow Description IF: Wade	100	1/2"			
FF: Wroke blow. 1/2	-3" FSI: N	I o Islow.			
			1		
Rec 120 Feet of Cour	in sipe	%gas	%oil	%water	%mud
Rec15 Feet of Clean	· vil	%gas	%oil	%water	%mud
Rec130 Feet of OCM		%gas 1	8 %oil	%water 8	2 %mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
	(22° Gravity 31.3		°F CI		the state of the s
	Test 1250			ion 000	
	A4 Jars 250	1 1 1 1 1 2		003	-
(C) First Final Flow	S2 Safety Joint 7	5	T-Open	024	12
(D) Initial Shut-In	385 □ Circ Sub		T-Pulled		
(E) Second Initial Flow	S7 ☐ Hourly Standby		T-Out	682	9
(F) Second Final Flow	87 Mileage 557	85.25	Comments		
	368 Sampler				-
(H) Final Hydrostatic 22	92 □ Straddle				
	□ Shale Packer		- Hamed	Shale Packer	244
Initial Open 30	Extra Packer			Packer	
Initial Shut-In 45		- Extra copies			
Final Flow 60					
Final Shut-In 60					
	A Accessibility Sub Total 1660.2		MP/DST I	Jisqt	
Approved By (1) - De 1	1 ()		(- nur
Approved By	Ou	r Representative		1 0 000	



Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: E & J LEGACY EPP # 3

Location: AP. SE - SW - SW - SE SEC. 27 - T. 29 S. - R. 15 W.

License Number: A.P.I. # 15-051-22399-00-00 Region: PRATT CO., KS

Spud Date: 8/20/2012 Drilling Completed:

Surface Coordinates: SPOT: 285' FSL & 2305' FEL

Bottom Hole

Coordinates:
Ground Elevation (ft): 1955'
Logged Interval (ft): SURFACE To: 4833'
K.B. Elevation (ft): 1964'
Total Depth (ft): 4833'

Formation: ARBUCKLE
Type of Drilling Fluid: CHEMICAL MUD

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: PONDEROSA WITCHING, LLC

Address: 110 A SPRING CREEK

WACO, TEXAS 76705

GEOLOGIST

Name: DAVID P. WILLLIAMS Company: DW ENERGY, LLC.

Address: 312 NORTH BROADVIEW STREET

WICHITA, KANSAS 67208

Casing & Deviation

Ran 9 Jts 8 5/8" (24#) Surface Casing Tallied @ 382' & set at 393'. Cemented w/ 225 sx CLASS A; 3% cc 2% Gel. Cement Did Circulate to Surface.

DEVIATION SURVEY'S TAKEN: @ 395' = 1/2 degree; @ 4590' = 3/4 degree; @ 4830' = degree.

DSTs

DST #1 4485'-4590'. Times: 30"-45"-30"-45". Blow: IF= Weak 1/4"'; FF= No Blow". Recovery: 5' M. Pressures: IH= 2230#; FH= 2183#; IF = 22-25#; FF = 25-26#; ISIP = 52#; FSIP =38#; Temp=118 degrees.

DST #2 4668'-4721'. Times: 30"-45"-60"-60". Blow: IF= Weak 1/2"Building/2.5"; FF= Weak 1/2" Building/3". Recovery: 120'G.I.P.; 145' TF (15' CO;130'OCM (18% O& 83% M)). Pressures: IH= 2301#; FH= 2292#; IF = 24-52#; FF = 57-87#; ISIP =1385#; FSIP =1365#; Temp= 122 degrees. Oil Grv.= 31.3 degrees.

Comments After review of all geologic samples as examined, combined with the fluid and pressures results from all drill stem tests taken and analysis from the electric logs run, it was determined by all parties that production casing be run in order to further evaluate this well. Respectfully submitted, David P. Williams, P.G **ROCK TYPES** _т т _т т **Anhy Clyst** Gry shale Mrlst Shgy

Gyp

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Red shale

EVENT

Core

Rft

Salt

SItst

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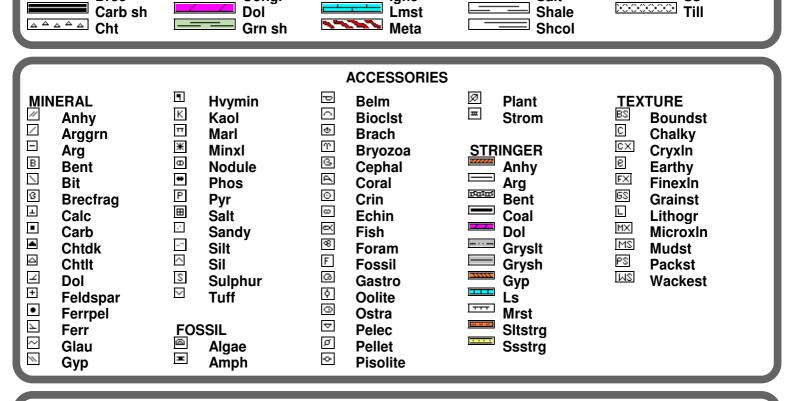
Vuggy

Well

SORTING Well

Coal

Congl



OTHER SYMBOLS

Rounded

Subrnd

Subang

ROUNDING

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Ques

Dead

Spotted

