

Kansas Corporation Commission Oil & Gas Conservation Division

1053866

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 #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

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

Side Two



Operator Name:			Lease 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 pen t-in pressures, whether s st, along with final chart(s well site report.	hut-in pressure read	ched static level,	hydrostatic press	ures, bottom h	ole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No		og Formation	n (Top), Depth an	d Datum	Sample
Samples Sent to Geo	logical Survey	☐ Yes ☐ No	Nam	е		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:							
		Report all strings set-		ermediate, producti		T 2 .	
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 / SQL	JEEZE RECORD	I		
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Off Zone							
Shots Per Foot		DN RECORD - Bridge Plug Footage of Each Interval Perf			cture, Shot, Cement mount and Kind of Ma		d Depth
	<u> </u>						
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Meth		Gas Lift C	other (Explain)		
Estimated Production Per 24 Hours	Oil I	Bbls. Gas	Mcf Wat	er Bl	ols. G	Sas-Oil Ratio	Gravity
DISPOSITI	ON OF GAS:	N	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:
Vented Solo	Used on Lease	Open Hole	Perf. Dually		nmingled mit ACO-4)		
(If vented, Su	bmit ACO-18.)	Other (Specify)	(Odbillit)	, (Gubi			

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



phone: 316-337-6200 fax: 316-337-6211 http://kcc.ks.gov/

Thomas E. Wright, Chairman Ward Loyd, Commissioner Corporation Commission

Sam Brownback, Governor

April 12, 2011

Cassie Parks FIML Natural Resources, LLC 410 17TH ST STE 900 DENVER, CO 80202-4420

Re: ACO1 API 15-171-20789-00-00 Schowalter 6D-33-1831 NW/4 Sec.33-18S-31W Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Cassie Parks



PO BOX 31 Russell, KS 67665



2347

Invoice Number: 125815
Invoice Date: Jan 2, 2011

Page:

Voice: (785) 483-3887 Fax: (785) 483-5566

Bill To:

FIML Natural Resources LLC 410 17th St #900

410 l7th St., #900 Denver, CO 80202 Federal Tax I.D.#: 20-5975804

Schowalter 6D-33-183/

Customer ID	Well Name# or Customer P.O.	Payment	Terms
FIML	Showalter 6D-33-1831	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 2, 2011	2/1/11

Quantity	Item	Description	Unit Price	Amount
6.00	MAT	Gel	20.80	124.80
320.00	MAT	ASC	18.60	5,952.00
35.00	MAT	Salt	23.95	838.25
1,600.00	MAT	Gilsonite	0.89	1,424.00
80.00	MAT	Flo Seal	2.50	200.00
500.00	MAT	WFR-2	1.27	635.00
414.00	SER	Handling	2.40	993.60
50.00	SER	Mileage 414 sx @.10 per sk per mi	41.40	2,070.00
1.00	SER	Two Stage - Bottom	2,185.00	2,185.00
50.00	SER	Pump Truck Mileage	7.00	350.00
1.00	EQP	5.5 D V Tool	2,832.00	2,832.00
1.00	EQP	5.5 Lock Ring	29.00	29.00
1.00	EQP	5.5 Sure Seal Float Shoe	349.00	349.00
1.00	EQP	5.5 Sure Seal Float Collar	418.00	418.00
25.00	EQP	5.5 Centralizer	35.00	875.00
2.00	EQP	5.5 Basket D (0/50	161.00	322.00
		5.5 Basket D10150 820-118 Many. B		
ALL PRICES	ARE NET, PAYA	Subtotal		19,597.65

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

5 3919 53

ONLY IF PAID ON OR BEFORE
Jan 27, 2011

 Subtotal
 19,597.65

 Sales Tax
 1,021.93

 Total Invoice Amount
 20,619.58

 Payment/Credit Applied
 20,619.58

-3919.53 16,700.05

ALLIED CEMENTING CO., LLC. 040799 Federal Tax I.D.# 20-5975804

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PO BOX 31 Russell, KS 67665

Voice: Fax:

(785) 483-3887 (785) 483-5566

Bill To:

FIML Natural Resources LLC

Item

410 I7th St., #900 Denver, CO 80202

2347

INVOICE

Invoice Number: 125816 Invoice Date: Jan 2, 2011

Page:

Federal Tax I.D.#: 20-5975804

Schwalter 6D-33-1831

Unit Price

Amount

Customer ID	Well Name# or Customer P.O.	Payment	Terms
FIML	Showalter 6D-33-1831	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Jan 2, 2011	2/1/11

Description

			THE HOUSE (Transmitted)	
535.00	MAT	Lightweight Class A	14.05	7,516.75
2,675.00	MAT	Gilsonite	0.89	2,380.75
134.00	MAT	Flo Seal	2.50	335.00
630.00	SER	Handling	2.40	1,512.00
50.00		Mileage 630 sx @.10 per sk per mi	63.00	3,150.00
	SER	Two Stage - Top	1,185.00	1,185.00
		D 10150		
1.10		8200-118 Adam 8 B	i e	

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

ONLY IF PAID ON OR BEFORE
Jan 27, 2011

16,079.50 Subtotal 746.97 Sales Tax 16,826.47 Total Invoice Amount Payment/Credit Applied TOTAL 16,826.47

3215.90 13,610,57

ALLIED CEMENTING CO., LLC. 040800 Federal Tax I.D.# 20-5975804

REMIT TO P.O. I	BOX 31 SELL, KAN	ISAS 676	65		SER	VICE POINT:	04/25
1-2-11	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	-3-	TOD EINIGH
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PO BOX 31 Russell, KS 67665



Invoice Number: 125711
Invoice Date: Dec 20, 2010
Page: 1

Voice: Fax: (785) 483-3887 (785) 483-5566

Bill To:

FIML Natural Resources LLC 410 l7th St., #900 Denver, CO 80202 Federal Tax I.D.#: 20-5975804

2347

Customer ID	Well Name# or Customer P.O.	Payment	Terms
FIML	Schwalter#6D-33-1831	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Dec 20, 2010	1/19/11

Quantity	Item	Description	Unit Price	Amount
240.00	MAT	Class A Common	15.45	3,708.00
4.00	MAT	Gel	20.80	83.20
8.00	MAT	Chloride	58.20	465.60
252.00	SER	Handling	2.40	604.80
50.00	SER	Mileage 252 sx @.10 per sk per mi	25.20	1,260.00
1.00	SER	Surface	1,018.00	1,018.00
94.00	SER	Extra Footage	0.85	79.90
50.00	SER	Pump Truck Mileage	7.00	350.00
1.00	EQP	8.5/8 Fiber Baffle	98.00	98.00
3.00	EQP	8.5/8 Centralizer	221.00	663.00
1.00	EQP	8.5/8 Wooden Plug	68.00	68.00
		See Last Page For Approval. Approval. D10150 8100,145		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1679 19

ONLY IF PAID ON OR BEFORE
Jan 14, 2011

 Subtotal
 8,398.50

 Sales Tax
 371.26

 Total Invoice Amount
 8,769.76

 Payment/Credit Applied
 70TAL

 TOTAL
 8,769.76

7090.06

ALLIED CEMENTING CO., LLC. 035531 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665		SER	VICE POINT:	Klents
	i i den orm	lass agrees	12/2/11	
DATE 17 120/10 SEC. 3 TWP. RANGE 3/	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
	~VE2	7.10	COUNTY,	STATE
LEASE WELL# LOCATION SOUTH	14 10	1209 HX	Siot .	Jane
OLD OR VEW (Circle one) 21/4 5 E 65	VEENE	winto	A PART THE REAL PROPERTY.	
CONTRACTOR MARKIN 2 /	OWNER 5	âne	religioneros Acquility obse	
TYPE OF JOB Sur Fix	- 19 - 24 of dry			
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TOOL DEPTH	COMMON	. 2 40	@ 15 45	27000
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		4 4 10 2 1	_ @	Lawrence or Mindrom
To Allied Cementing Co. LLC	Cantratiza	ers -	@ 22/2	663 0
To Allied Cementing Co., LLC.	THE SUM	Min activity	@	
You are hereby requested to rent cementing equipment	8 Towns	Alu -1	@ 686	68
and furnish cementer and helper(s) to assist owner or	AT METHER LE	1	O THE HELD	AT THE INFOR
contractor to do work as is listed. The above work was			TOTAL	82900
done to satisfaction and supervision of owner agent or			IOIAL	SO Y
contractor. I have read and understand the "GENERAL	SALES TAX	(If Any)	Significancidado	being alterestion
TERMS AND CONDITIONS" listed on the reverse side.		•	- INSULPRO	general C
	TOTAL CHA	RGES	nakow tili olaj	renew (A)
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	mile or relation	minutes at 1 100		MESON DE LA COLONIA
SIGNATURE A MILLION				
SIGNALUKE WY				



Prepared For: FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

ATTN: Josh Austin

33-18-31 Scott KS

Schowalter 6D-33-1831

Start Date: 2010.12.29 @ 15:41:00

End Date: 2010.12.29 @ 23:46:45

Job Ticket #: 040613 DST

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

Josh Austin ATTIN

Schowalter 6D-33-1831

33-18-31 Scott KS

Job Ticket: 040613

DST#:1

Test Start: 2010.12.29 @ 15:41:00

GENERAL INFORMATION:

Whipstock Lansing J & K Formation: Deviated:

ft (KB)

Time Tool Opened: 18:06:30 23:46:45 Time Test Ended:

Total Depth:

Hole Diameter:

Interval:

4216.00 ft (KB) To 4300.00 ft (KB) (TVD) 4300.00 ft (KB) (TVD) 7.88 inchesHole Condition: Fair

Conventional Bottom Hole Test Type:

Mike Roberts Tester:

Unit No:

Reference Elevations:

2956.00 ft (KB) 2946.00 ft (CF) 10.00 ft

Outside Serial #: 8358 Press@RunDepth:

247.09 psig Start Date:

4287.00 ft (KB) End Date: End Time: 0 2010.12.29 15:41:15

Start Time:

Last Calib.: Capacity: 2010.12.29

2010.12.29 @ 18:06:00 2010.12.29 @ 21:36:30

Time Off Btm:

Time On Bfm:

23:46:45

psig

8000.00

2010.12.29

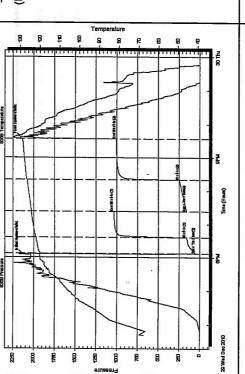
KB to GR/CF:

TEST COMMENT:

IF:Built to 8" blow IS:No return blow FF:Built to 6" blow FS:No return blow

Pressure vs. Time

PRESSURE SUMMARY	Annotation		Initial Hydro-static	120.05 Open To Flow (1)	122.25 Shut-In(1)	End Shut-In(1)	124.37 Open To Flow (2)	Shut-In(2)	End Shut-In(2)	133.18 Final Hydro-static	
RESSUR	Temp	(deg F)	120.53	120.05	122.25	124.56	124.37	126.60	128.90	133.18	
Ь	Pressure	(bsid)	2142.62	53.95	160.22	1035.97	161.71	247.09	1008.12	2154.58	
	Time	(Min.)	0	-	34	11	78	135	209	211	
		-					_				



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

Volume (bbl)

Recovery Description 3.59 1.82

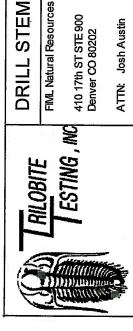
mcw 10%m 90%w

m 100%

Length (ft) 340.00 130.00 Trilobite Testing, Inc

Ref. No: 040613

Page Printed: 2011.01.07 @ 14:35:19



TOOL DIAGRAM

Schowalter 6D-33-1831

410 17th ST STE 900 Denver CO 80202

33-18-31 Scott KS Job Ticket: 040613

DST#:1 Test Start: 2010.12.29 @ 15:41:00

Tool Information

4100.00 ft 0.00 ft Length: Length: Length: Heavy Wt. Pipe: Drill Collar: Drill Pipe:

3.80 inches Volume: 2.25 inches Volume: 0.00 inches Volume: Diameter: Diameter: Diameter: 130.00 ft

57.51 bbl 0.00 bbl

25000.00 lb Weight set on Packer: Tool Weight:

1500.00 lb

0.00 ft al 00.0000e Weight to Pull Loose: String Weight: Initial Tool Chased

58.15 bbl 0.64 bbl

Total Volume:

34.00 ft

Drill Pipe Above KB:

64000.00 lb 70000.00 lb Final

> 84.00 ft 4216.00 ft 104.00 ft Interval betw een Packers: Depth to Bottom Packer: Depth to Top Packer: Tool Length:

N

Number of Packers:

Tool Comments:

6.75 inches Diameter:

Accum. Lengths Depth (ft) Position Serial No. Length (ft) **Tool Description**

4202.00 4207.00 4212.00 4216.00 4217.00 4197.00 1.00 5.00 5.00 5.00 4.00 1.00 Change Over Sub Hydraulic tool Shut in Tool

Bottom Of Top Packer

20.00

4222.00

5.00

63.00

1.00

Change Over Sub

Drill Pipe

Perforations

Packer Packer Stubb 4223.00 4286.00 4287.00

Outside Outside

8358 8322

4287.00 4295.00

4287.00

1.00 0.00 0.00 8.00 Change Over Sub Perforations

Recorder Recorder

Bullnose

104.00 Total Tool Length:

Bottom Packers & Anchor

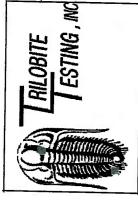
84.00

4300.00

Trilobite Testing, Inc

Ref. No: 040613

Page Printed: 2011.01.07 @ 14:35:19



FLUID SUMMARY

FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

ATTN: Josh Austin

33-18-31 Scott KS

Schowalter 6D-33-1831

DST#:1 Test Start: 2010.12.29 @ 15:41:00

Job Ticket: 040613

Mud and Cushion Information

9.00 lb/gal 57.00 sec/qt 8.70 in^s 0.00 ohm.m Gel Chem Viscosity: Water Loss: Mud Weight: Mud Type: Resistivity:

1.00 inches 2000.00 ppm Filter Cake: Salinity:

Oil APt ft bb

Cushion Type: Cushion Length:

psig

Gas Cushion Pressure:

Gas Cushion Type:

Cushion Volume:

Water Salinity:

0 deg API 28000 ppm

Recovery Information

Recovery Table

Volume	3.585	1.824
Description	m 100%	mcw 10%m 90%w
Length ft	340.00 m 100%	130.00

Total Volume: 470.00 ft Total Length:

5.409 bbl

Laboratory Location: Num Gas Bombs: Num Fluid Samples: 0 Laboratory Name:

Serial #:

Recovery Comments: RW=.369 @51.6=28000 ppm

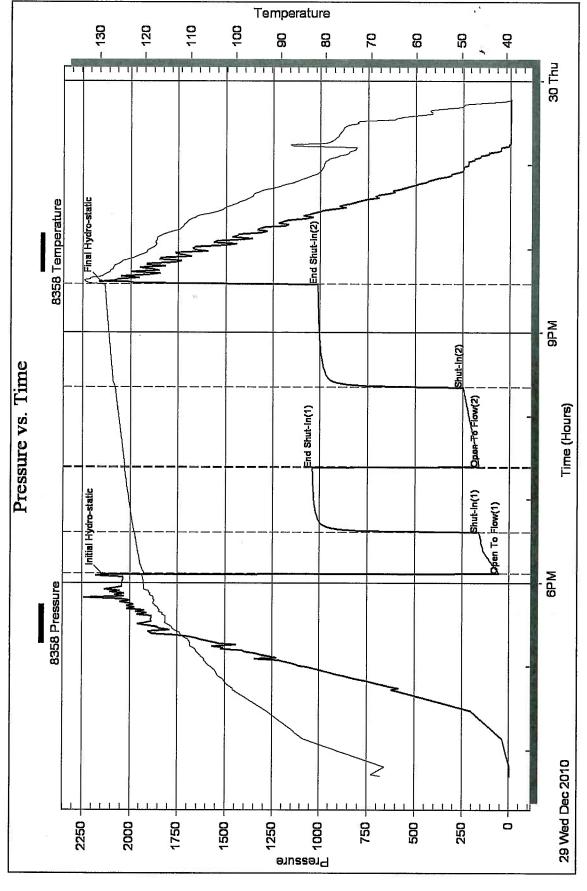


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Ref. No:

Trilobite Testing, Inc

Printed: 2011.01.07 @ 14:35:21 Page 5



DST Test Number: 1

33-18-31 Scott KS

Outside FIML Natural Resources

Serial #: 8358

Printed: 2011.01.07 @ 14:35:40 Page



DRILL STEM TEST REPORT

Prepared For: FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

ATTN: Josh Austin

33-18-31 Scott KS

Schowalter 6D-33-1831

Start Date: 2010.12.30 @ 13:12:15

End Date: 2010.12.30 @ 19:55:15

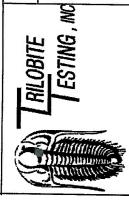
Job Ticket #: 040614 DST #:

2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

ATTN: Josh Austin

Schowalter 6D-33-1831

33-18-31 Scott KS

Job Ticket: 040614

Test Start: 2010.12.30 @ 13:12:15

GENERAL INFORMATION:

Marmaton ^{กเ}ก Whipstock: Formation: Deviated:

Time Tool Opened: 15:05:15

19:55:15 Time Test Ended: 4302.00 ft (KB) To Interval:

Total Depth:

Hole Diameter:

2.00 ft (KB) To 4410.00 ft (KB) (TVD) 4410.00 ft (KB) (TVD) 7.88 inchesHole Condition: Fair

Conventional Bottom Hole Mike Roberts Test Type: Tester:

ft (KB)

Unit No:

2956.00 ft (KB) Reference Elevations:

2946.00 ft (CF) 10.00 ft KB to GR/CF:

Outside

380.97 psig Serial #: 8358 Press@RunDepth: Start Date:

End Time: 2010.12.30 13:12:15

Start Time:

4373.00 ft (KB) End Date: 0

Time On Btm: Last Calib.: 19:55:15 2010.12.30

8000.00 psig

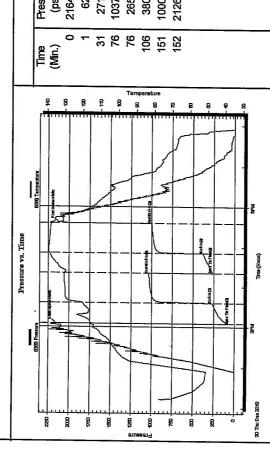
2010.12.30

2010.12.30 @ 15:05:00 2010.12.30 @ 17:36:45

Time Off Btm:

TEST COMMENT:

IF:BOB in 11 min. IS:No return blow FF:BOB in 15 min FS:No return blow



PRESSURE SUMMARY	Annotation		Initial Hydro-static	Open To Flow (1)	Shut-In(1)	End Shut-In(1)	Open To Flow (2)	Shut-In(2)	End Shut-In(2)	Final Hydro-static			
RESSUF	Temp	(deg F)	115.94	115.46	120.23	130.43	130.09	138.66	137.78	137.32			
Д.	Pressure	(bisd)	2164.59	62.21	271.77	1037.13	265.13	380.97	1000.45	2126.49			
	Time	(Min.)	0	_	31	76	9/	106	151	152			

	Volume (bbl)	8.47			
Recovery	Description	mud w ith oil spots			
	Length (ft)	688.00			
			 _	 	

Liesenie (baid)	Choke	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc

040614 Ref. No:

Printed: 2011.01.07 @ 14:35:41

Page

	FILOBITE FESTING, INC	
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TOOL DIAGRAM

410 17th ST STE 900 Denver CO 80202

ATTN: Josh Austin

FIML Natural Resources

33-18-31 Scott KS

Schowalter 6D-33-1831

Job Ticket: 040614

DST#:2

Test Start: 2010.12.30 @ 13:12:15

Tool Information	LC.						
Drill Pipe:	Length:	Length: 4162.00 ft Diameter:	Diameter:	3.80 inches Volume:	58.38 bbi	Tool Weight:	_
Heavy Wt. Pipe: Length: 0.00 ft Diameter:	Length:	0.00 ft	Diameter:	0.00 inches Volume:	0.00 bbl	Weight set on Packer: 25	. 25

2.25 inches Volume: Total Volume:

130.00 ft Diameter:

Length:

Drill Collar:

10.00 ft 4302.00 ft

25000.00 lb 90000.00 lb 1500.00 lb Weight to Pull Loose: Tool Chased 0.64 bbl 59.02 bbl

0.00 ft 64000.00 lb dl 00.00089 String Weight: Initial Final

> Interval between Packers: Depth to Bottom Packer: Tool Length:

Depth to Top Packer: Drill Pipe Above KB:

108.00 ft

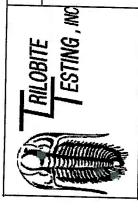
6.75 inches Diameter: 128.00 ft

> Number of Packers: Tool Comments:

Depth (ft) Accum. Lengths Position Length (ft) Serial No. **Tool Description**

d	(5.1)			1	Total (1) Populario Company	
Change Over Sub	1.00			4283.00		
Shut In Tool	5.00			4288.00		
Hydraulic tool	5.00			4293.00		
Packer	5.00			4298.00	20.00	Bottom Of Top Packer
Packer	4.00			4302.00		
Stubb	1.00			4303.00		
Perforations	2.00			4308.00		
Change Over Sub	1.00			4309.00		
Drill Pipe	63.00			4372.00		
Change Over Sub	1.00			4373.00		
Recorder	0.00	8358	Outside	4373.00		
Recorder	0.00	8322	Outside	4373.00		
Perforations	32.00			4405.00		
Bullnose	5.00			4410.00	108.00	Bottom Packers & Anchor

128.00 Total Tool Length:



FLUID SUMMARY

FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

ATTN: Josh Austin

33-18-31 Scott KS

Schowalter 6D-33-1831

Test Start: 2010.12.30 @ 13:12:15 Job Ticket: 040614

Mud and Cushion Information

9.00 lb/gal 57.00 sec/qt 8.74 in^s 0.00 ohm.m 2000.00 ppm Gel Chem Mud Type: Mud Weight: Water Loss: Viscosity:

1.00 inches Resistivity: Filter Cake:

Salinity:

Gas Cushion Type: Gas Cushion Pressure; Cushion Volume: Cushion Length: Cushion Type:

Oil API: Water Salinity:

##

psig

0 deg API 0 ppm

Recovery Information

Recovery Table

± ⁸⁶	688 OO maid w	Lescription		Volume
Total Length:	688 00 ft	Total Volume:	0 467 551	8.467
Num Fluid Samples: 0	0 ::	Num Gas Bombs:	6.467 bbl 0	Serial #-

Laboratory Name: Recovery Comments:

Serial #:

Laboratory Location: Num Gas Bombs:

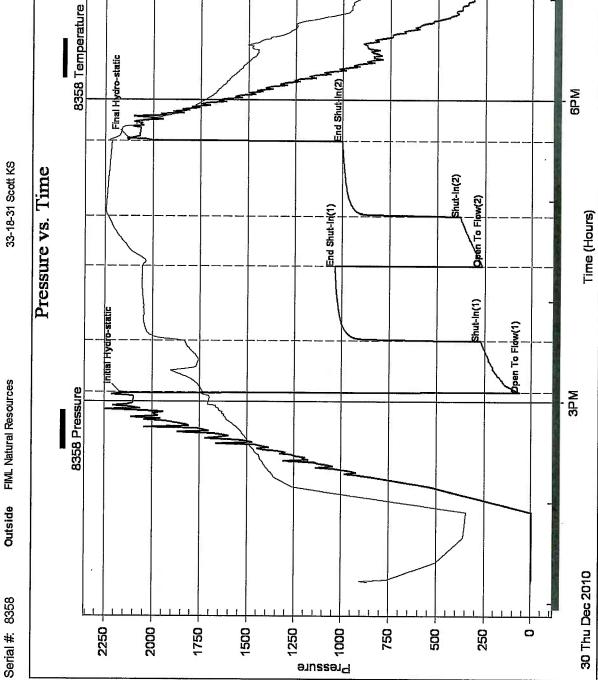
- 140

- 130

- 120

- 110

- 100



Temperature

8

- 80

- 70

- 60

- 50

- 40

Trilobite Testing, Inc



Prepared For: FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

ATTN: Josh Austin

33-18-31 Scott KS

Schowalter 6D-33-1831

Start Date: 2011.01.01 @ 14:20:49

End Date: 2011.01.01 @ 00:15:04

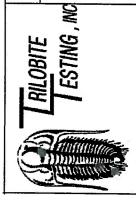
Job Ticket #: 041130 DST #:

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Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

ATTN: Josh Austin

Schowalter 6D-33-1831

33-18-31 Scott KS

Job Ticket: 041130

Test Start: 2011.01.01 @ 14:20:49

GENERAL INFORMATION:

Whipstock: Miss, Spergen 2 Formation: Deviated:

ft (KB)

Time Tool Opened: 16:17:19

00:15:04 Time Test Ended:

Interval:

4590.00 ft (KB) (TVD) 7.88 inchesHole Condition: Fair 4568.00 ft (KB) To Total Depth:

4590.00 ft (KB) (TVD)

Conventional Bottom Hole Shane McBride Test Type: Tester:

4 Chit No: Reference Elevations:

2956.00 ft (KB) 2946.00 ft (CF) 10.00 ft 10.00

Serial #: 6667

Hole Diameter:

761.93 psig Inside Press@RunDepth:

End Time: (14:20:49 2011.01.01

> Start Date: Start Time:

4570.00 ft (KB) End Date:

Time On Btm: Last Calib.: 2011.01.01 23:54:04

8000.00 psig

2011.01.02

2011.01.01 @ 16:17:04 2011.01.01 @ 20:05:19

Time Off Btm:

KB to GR/CF:

TEST COMMENT:

B.O.B. in 2 1/2 min. 9" return 9" @ open B.O.B. in 1 min. 1" return , died back to 1/4"

Temperature 8 8 8 8 8 Pressure vs. Time 8 8 Preseura

PRESSURE SUMMARY	Annotation		Initial Hydro-static	Open To Flow (1)	Shut-In(1)	End Shut-In(1)	Open To Flow (2)	Shut-h(2)	End Shut-In(2)	Final Hydro-static			
KESSUKE	Temp	(deg F)	118.31 In	117.84 C	142.51 S	142.44 E	142.08	145.75 S	144.36 E	144.60 FI			_
ī	Pressure	(bsid)	2334.30	76.32	410.46	1117.43	423.78	761.93	1121.10	2228.88	-		,
	Time	(Min.)	0	-	32	9/	9/	136	228	229			

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

Volume (bbl)

26.30 0.30

s m c g o 10%m 30%g 60%o

c g a 30%g 70%o 899' gas in pipe

1953.00 62.00

0.00

Description

Length (ft)

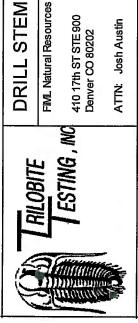
Recovery

0.00

Trilobite Testing, Inc

041130 Ref. No:

Page Printed: 2011.01.07 @ 14:36:03



REPORT **DRILL STEM TEST**

Schowalter 6D-33-1831

TOOL DIAGRAM

33-18-31 Scott KS

Job Ticket: 041130

DST#:3 Test Start: 2011.01.01 @ 14:20:49

Tool Information

Drill Pipe:

Diameter: 4395.00 ft 0.00 ft Length: Length: Heavy Wt. Pipe:

3.80 inches Volume: 0.00 inches Volume: Diameter:

Tool Weight:

61.65 bbl

1500.00 lb

10000001b 0.00 ft Weight set on Packer: 25000.00 lb Weight to Pull Loose: Tool Chased

0.90 bbl 62.55 bbl 0.00 bbl

> 2.25 inches Volume: Total Volume:

Diameter:

182.00 ft

Length:

Drill Collar:

29.00 ft

Drill Pipe Above KB:

72000.00 lb 75000.00 lb String Weight: Initial Final

> 4568.00 ft 22.00 ft Interval between Packers: Depth to Bottom Packer: Depth to Top Packer: Tool Length:

42.00 ft

Number of Packers:

6.75 inches Diameter: N

Tool Comments:

				Bottom Of Top Packer			
Lengui (it) Serial NO. Position Deptin (it) Accum. Lenguis				20.00			
nebru (m)	4549.00	4554.00	4559.00	4564.00	4568.00	4569.00	4570.00
POSITION							
Serial No.							
רבוולווו (ווי)	1.00	9.00	5.00	5.00	4.00	1.00	1.00
I doi bescription	Change Over Sub	Shut in Tool	Hydraulic tool	Packer	Packer	Stubb	Perforations

42.00 Total Tool Length:

5.00

Bottom Packers & Anchor

22.00

4585.00

4590.00

4570.00 4570.00

Inside Outside

2999 6771

0.00

0.00 15.00

Perforations

Bullnose

Recorder Recorder

Ref. No: 041130

Trilobite Testing, Inc

Page 3 Printed: 2011.01.07 @ 14:36:04



FLUID SUMMARY

FIML Natural Resources

410 17th ST STE 900 Denver CO 80202

33-18-31 Scott KS

Schowalter 6D-33-1831

Job Ticket: 041130

DST#:3

ATTN: Josh Austin

Test Start: 2011.01.01 @ 14:20:49

Mud and Cushion Information

Gel Chem Mud Type: Mud Weight: 0.00 ohm.m

Gas Cushion Type: Cushion Type: Cushion Length: Cushion Volume:

psig

Gas Cushion Pressure:

Oil API: Water Salinity:

Pp

30 deg API 0 ppm

9.00 lb/gal 54.00 sec/qt 7.19 in³ Water Loss: Resistivity: Viscosity: Salinity:

3500.00 ppm 1.00 inches Filter Cake:

Recovery Information

Recovery Table

Volume bbi	0.305	26.302	00000
Description	s m c g o 10%m 30%g 60%o	c g o 30%g 70%o	899' gas in pipe
Length ft	62.00	1953.00	00'0

26.607 bbl Total Volume: 2015.00 ft Total Length: Serial #:

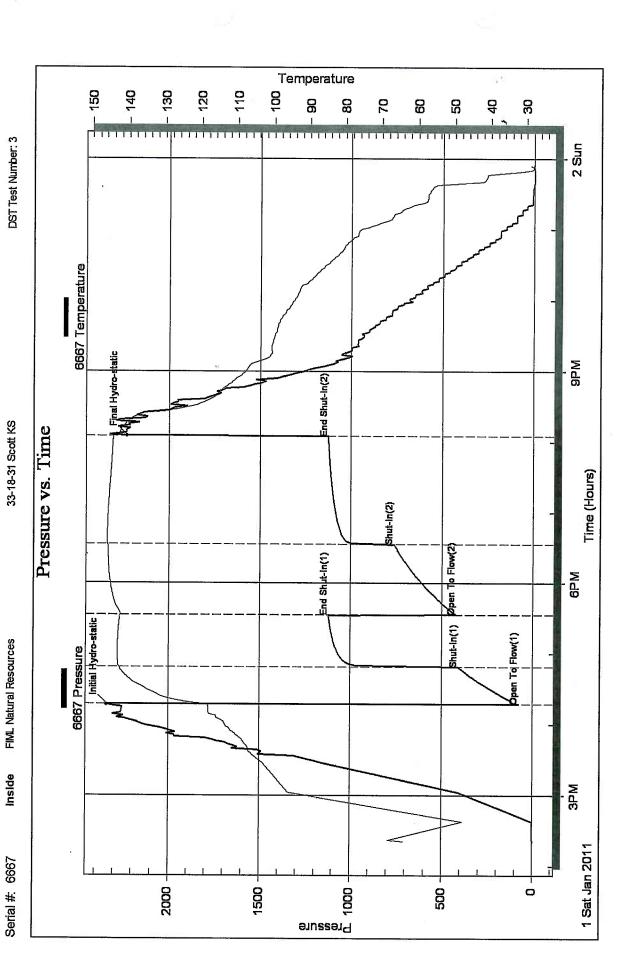
0

Num Gas Bombs:

Laboratory Location:

Num Fluid Samples: 0 Laboratory Name:

Recovery Comments:



Trilobite Testing, Inc