

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1236114
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

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: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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: _____

1236114

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West 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).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

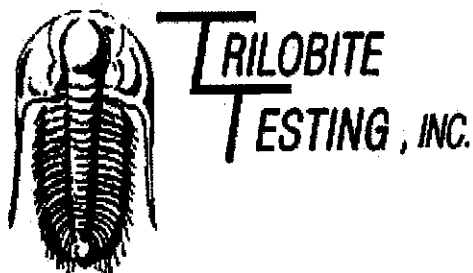
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Jo-Allyn Oil Co., Inc.
Well Name	HOGAN TRUST 1-8
Doc ID	1236114

All Electric Logs Run

GAMMA RAY LOG
DUAL INDUCTION LOG
COMPENSATED NEUTRON LOG
COMPENSATED DENSITY LOG
MICRORESISTIVITY LOG



DRILL STEM TEST REPORT

Prepared For: **Jo-Allyn Oil Co., Inc.**

PO Box 446
Laverne, OK. 73848

ATTN: Aaron Young

Hogan Trust #1-8

8-23s-21w Hodgeman,KS

Start Date: 2014.12.14 @ 19:44:56

End Date: 2014.12.15 @ 05:47:56

Job Ticket #: 57799 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.19 @ 08:39:26

Jo-Allyn Oil Co., Inc.

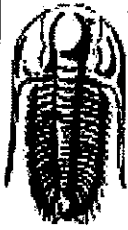
8-23s-21w Hodgeman,KS

Hogan Trust #1-8

DST # 1

Altamont 'A'

2014.12.14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Jo-Allyn Oil Co., Inc.

8-23s-21w Hodgeman, KS

PO Box 446
Laverne, OK. 73848

Hogan Trust #1-8

ATTN: Aaron Young

Job Ticket: 57799

DST#: 1

Test Start: 2014.12.14 @ 19:44:56

GENERAL INFORMATION:

Formation: **Altamont 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:49:26

Time Test Ended: 05:47:56

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

Interval: **4433.00 ft (KB) To 4479.00 ft (KB) (TVD)**

Reference Elevations: 2374.00 ft (KB)

Total Depth: 4479.00 ft (KB) (TVD)

2363.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: **8931** Inside

Press@RunDepth: 41.34 psig @ 4434.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.14 End Date: 2014.12.15

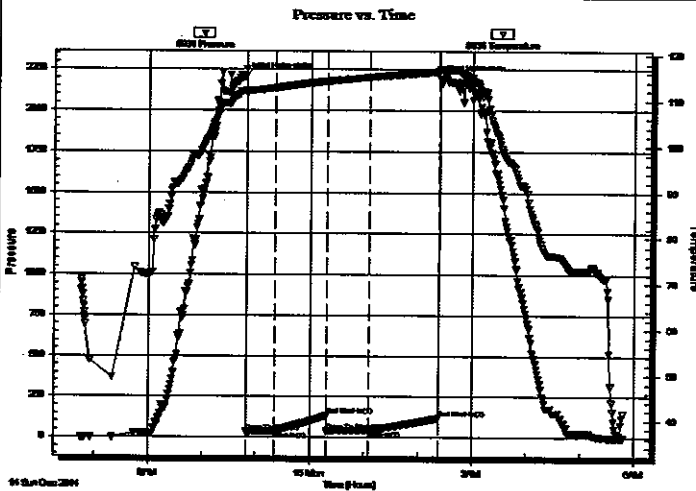
Last Calib.: 2014.12.15

Start Time: 19:45:01 End Time: 05:47:56

Time On Btm: 2014.12.14 @ 22:47:11

Time Off Btm: 2014.12.15 @ 02:23:26

TEST COMMENT: IF: Weak blow. Surf., - 3/4". Died back to 1/2", after 20 mins.
IS: No blow.
FF: Weak blow. Surf., - 1/2".
FS: No blow.



PRESSURE SUMMARY

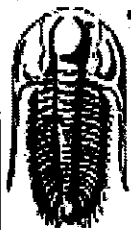
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.86	112.07	Initial Hydro-static
3	31.94	111.53	Open To Flow (1)
34	37.81	112.76	Shut-In(1)
91	132.79	114.22	End Shut-In(1)
92	34.83	114.19	Open To Flow (2)
138	41.34	115.13	Shut-In(2)
216	116.14	116.36	End Shut-In(2)
217	2191.13	116.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 10%o 90% m	0.07

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jo-Allyn Oil Co., Inc.

8-23s-21w Hodgeman, KS

PO Box 446
Laverne, OK. 73848

Hogan Trust #1-8

Job Ticket: 57799

DST#: 1

ATTN: Aaron Young

Test Start: 2014.12.14 @ 19:44:56

GENERAL INFORMATION:

Formation: **Altamont 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:49:26

Time Test Ended: 05:47:56

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

Interval: 4433.00 ft (KB) To 4479.00 ft (KB) (TVD)

Reference Elevations: 2374.00 ft (KB)

Total Depth: 4479.00 ft (KB) (TVD)

2363.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8671

Outside

Press@RunDepth: psig @ 4434.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.14

End Date: 2014.12.15

Last Calib.: 2014.12.15

Start Time: 19:44:31

End Time: 05:47:26

Time On Btm:

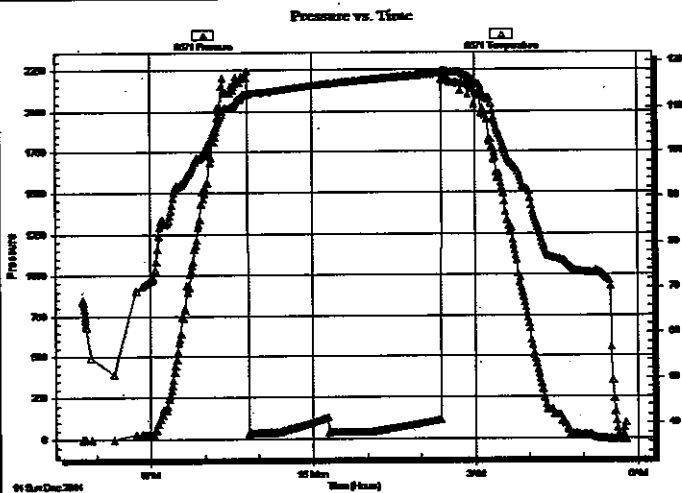
Time Off Btm:

TEST COMMENT: IF: Weak blow . Surf., - 3/4". Died back to 1/2", after 20 mins.

IS: No blow .

FF: Weak blow . Surf., - 1/2".

FSI: No blow .



PRESSURE SUMMARY

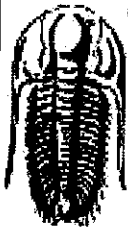
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 10% 90% m	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jo-Allyn Oil Co., Inc.

8-23s-21w Hodgeman, KS

PO Box 446
Laverne, OK. 73848

Hogan Trust #1-8

Job Ticket: 57799

DST#: 1

ATTN: Aaron Young

Test Start: 2014.12.14 @ 19:44:56

Tool Information

Drill Pipe:	Length: 4112.00 ft	Diameter: 3.80 inches	Volume: 57.68 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 308.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 110000.0 lb
			Total Volume: 59.19 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4433.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Shale Packer is in place of bottom packer.
Strap is 3.54 ft short to the board.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4406.00	
Shut In Tool	5.00			4411.00	
Hydraulic tool	5.00			4416.00	
Jars	5.00			4421.00	
Safety Joint	3.00			4424.00	
Packer	5.00			4429.00	28.00 Bottom Of Top Packer
Packer	4.00			4433.00	
Stubb	1.00			4434.00	
Recorder	0.00	8931	Inside	4434.00	
Recorder	0.00	8671	Outside	4434.00	
Perforations	1.00			4435.00	
Change Over Sub	1.00			4436.00	
Drill Pipe	31.00			4467.00	
Change Over Sub	1.00			4468.00	
Perforations	8.00			4476.00	
Bullnose	3.00			4479.00	46.00 Bottom Packers & Anchor
Total Tool Length:	74.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Jo-Allyn Oil Co., Inc.

8-23s-21w Hodgeman, KS

PO Box 446
Laverne, OK. 73848

Hogan Trust #1-8

ATTN: Aaron Young

Job Ticket: 57800

DST#: 2

Test Start: 2014.12.16 @ 01:35:12

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:18:12

Time Test Ended: 12:07:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

Interval: **4618.00 ft (KB) To 4632.00 ft (KB) (TVD)**

Total Depth: 4632.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2374.00 ft (KB)

2363.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8931

Inside

Press@RunDepth: 26.97 psig @ 4619.00 ft (KB)

Start Date: 2014.12.16

End Date:

2014.12.16

Start Time:

01:35:17

End Time:

12:07:42

Capacity: 8000.00 psig

Last Calib.: 2014.12.16

Time On Btm: 2014.12.16 @ 05:16:12

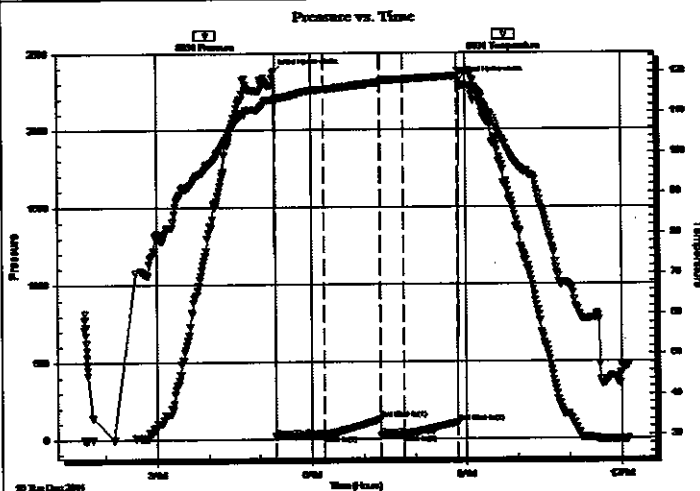
Time Off Btm: 2014.12.16 @ 08:51:12

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

IS: No blow .

FF: Weak blow . Surf., - 1".

FS: No blow



PRESSURE SUMMARY

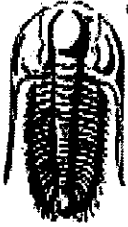
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2375.12	113.16	Initial Hydro-static
2	16.24	112.56	Open To Flow (1)
59	24.45	115.81	Shut-In(1)
124	128.78	117.41	End Shut-In(1)
124	19.69	117.62	Open To Flow (2)
151	26.97	118.19	Shut-In(2)
214	106.94	119.07	End Shut-In(2)
215	2318.93	120.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 5% o 95% m	0.05
0.00	60' C.I.P. 100% o	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Jo-Allyn Oil Co., Inc.

PO Box 446
Laverne, OK. 73848

ATTN: Aaron Young

8-23s-21w Hodgeman, KS

Hogan Trust #1-8

Job Ticket: 57800 DST#: 2

Test Start: 2014.12.16 @ 01:35:12

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:18:12

Time Test Ended: 12:07:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

Interval: **4618.00 ft (KB) To 4632.00 ft (KB) (TVD)**

Total Depth: 4632.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2374.00 ft (KB)

2363.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **8671** Outside

Press@RunDepth: psig @ 4619.00 ft (KB)

Start Date: 2014.12.16

End Date:

2014.12.16

Start Time: 01:35:44

End Time:

13:22:39

Capacity: 8000.00 psig

Last Calib.: 2014.12.16

Time On Btm:

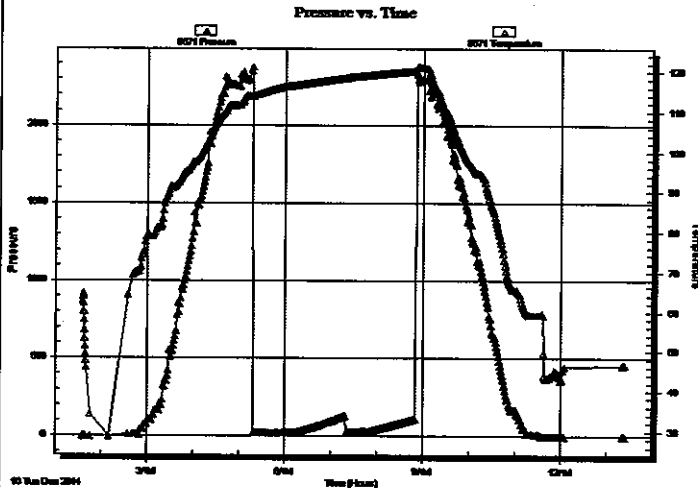
Time Off Btm:

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

IS: No blow .

FF: Weak blow . Surf., - 1".

FS: No blow



PRESSURE SUMMARY

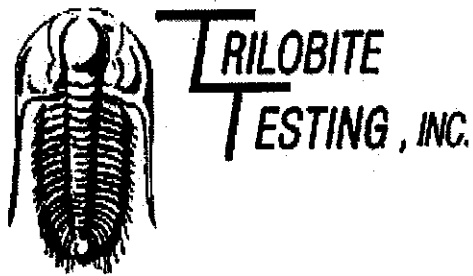
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 5%o 95%m	0.05
0.00	60' G.I.P. 100% g	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Prepared For: **Jo-Allyn Oil Co., Inc.**

PO Box 446
Laverne, OK. 73848

ATTN: Aaron Young

Hogan Trust #1-8

8-23s-21w Hodgeman,KS

Start Date: 2014.12.17 @ 01:49:42

End Date: 2014.12.17 @ 11:20:42

Job Ticket #: 57801 DST #: 3

Jo-Allyn Oil Co., Inc.

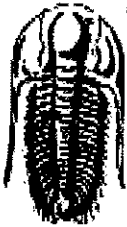
8-23s-21w Hodgeman,KS

Hogan Trust #1-8

DST # 3

Mississippi

2014.12.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Jo-Allyn Oil Co., Inc.

8-23s-21w Hodgeman, KS

PO Box 446
Laverne, OK. 73848

Hogan Trust #1-8

Job Ticket: 57801

DST#: 3

ATTN: Aaron Young

Test Start: 2014.12.17 @ 01:49:42

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:17:42

Time Test Ended: 11:20:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

Interval: **4636.00 ft (KB) To 4684.00 ft (KB) (TVD)**

Total Depth: 4684.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2374.00 ft (KB)

2363.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8931

Inside

Press@RunDepth: 47.44 psig @ 4637.00 ft (KB)

Start Date: 2014.12.17

End Date:

2014.12.17

Capacity: 8000.00 psig

Last Calib.:

2014.12.17

Start Time: 01:49:47

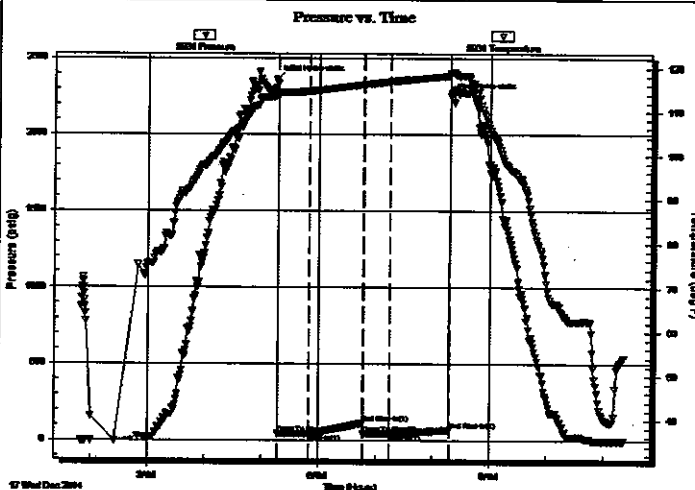
End Time:

11:20:42

Time On Btm: 2014.12.17 @ 05:15:42

Time Off Btm: 2014.12.17 @ 08:18:12

TEST COMMENT: IF: Weak blow . Surf., - 1". Decreased to 3/4", in 18 mins. 1/2". in 23 mins.
IS: No blow .
FF: Weak blow . Surf., - 1/4". Dead in 20 mins.
FS: No blow .



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2360.78	113.55	Initial Hydro-static
2	44.29	113.75	Open To Flow (1)
35	45.77	114.63	Shut-In(1)
90	113.53	116.16	End Shut-In(1)
92	47.37	116.18	Open To Flow (2)
119	47.44	116.89	Shut-In(2)
182	68.45	118.24	End Shut-In(2)
183	2251.35	119.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 100% m [slt oil]	0.02

Gas Rates

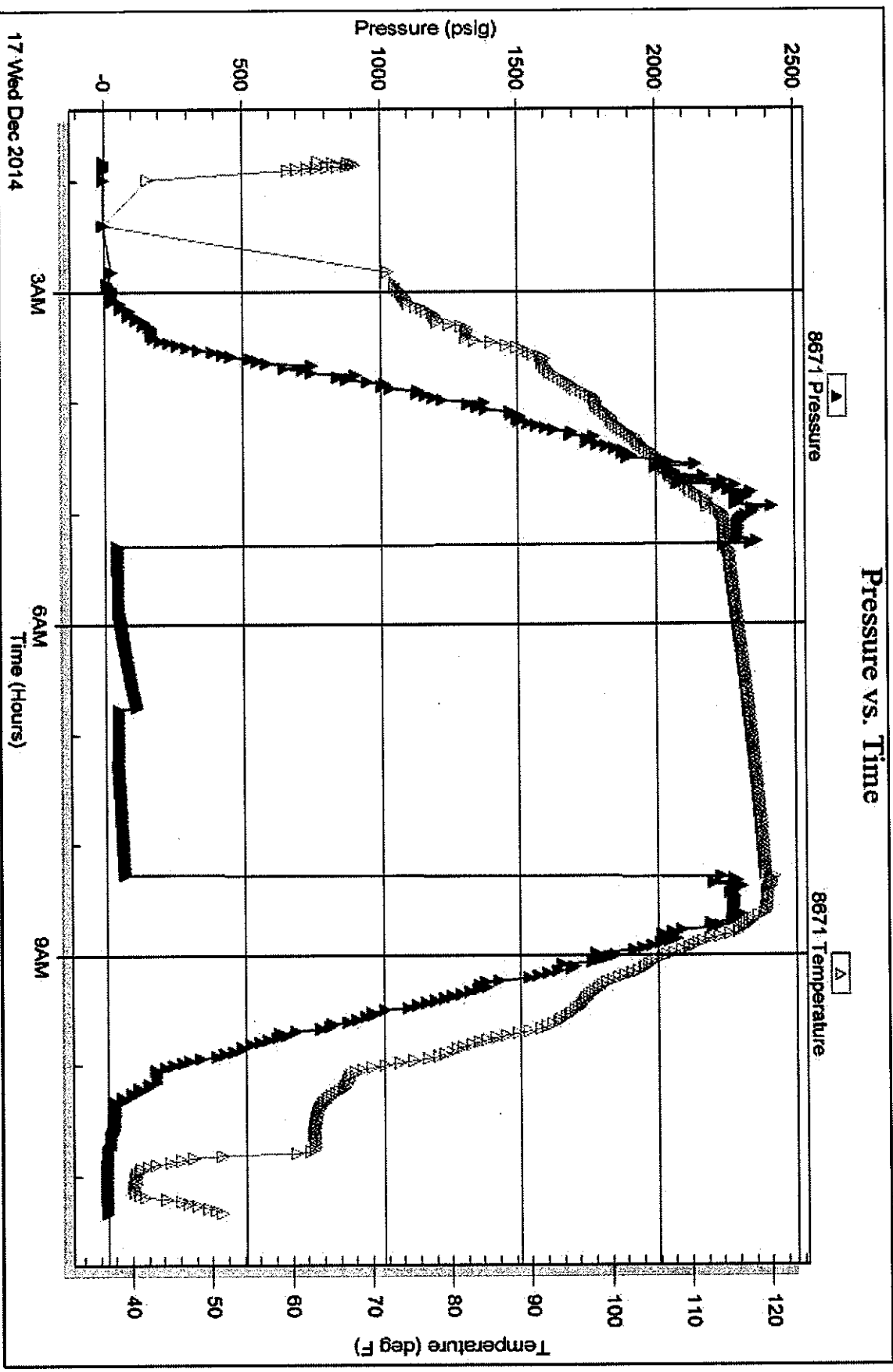
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8674

Outside Jo-Allyn Oil Co., Inc.

Hogan Trust #1-8

DST Test Number: 3



17 Wed Dec 2014

Tribble Testing, Inc

Ref. No: 57801

Printed: 2014.12.19 @ 08:38:27



TRILOBITE TESTING INC.

1515 Commerce Parkway - Hays, Kansas 67601

Test Ticket

NO. 57799

Well Name & No. Hogan Trust # 1-8 Test No. 12/14/14 Date 12/14/14
 Company Jo-Allyn Oil Co., Inc. Elevation 2374 KB 2363 GL
 Address P.O. Box 446 LAVERNE, OK. 73848
 Co. Rep / Geo. Aaron Young Rig H 2 Rig # 4
 Location: Sec. 8 Twp. 24s Rge. 21w Co. Hodgeman State KS.

Interval Tested 4433 - 4479 Zone Tested A Hamant 'A'
 Anchor Length 46' Drill Pipe Run 4112' Mud Wt. 9.4
 Top Packer Depth 4428 Drill Collars Run 308' Vis 47
 Bottom Packer Depth 4433 Wt. Pipe Run 2 WL 11.2
 Total Depth 4479 Chlorides 6,700 ppm System LCM TR-1st

Blow Description IF: Weak blow. Surf., - 3/4". Died back to 1/2" after 20 mins.
ISI: No blow.
FF: Weak blow. Surf., - 1/4".
FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
15'	DCM	10		90	

Rec Total 15' BHT 116° Gravity N.A. API RW N.C. @ — ° F Chlorides 6700 ppm

(A) Initial Hydrostatic	<u>2204</u>	<input checked="" type="checkbox"/> Test	<u>1250</u>	T-On Location	<u>1900</u>
(B) First Initial Flow	<u>32</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>1944</u>
(C) First Final Flow	<u>38</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>2249</u>
(D) Initial Shut-In	<u>133</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>0223</u>
(E) Second Initial Flow	<u>35</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>0547</u>
(F) Second Final Flow	<u>41</u>	<input checked="" type="checkbox"/> Mileage	<u>(150) 232.50</u>	* Comments	<u>Motel Stay Dodge City</u> <u>Wendel's Inn.</u>
(G) Final Shut-In	<u>116</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2191</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

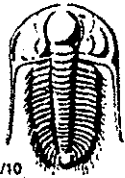
Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 75

Shale Packer 250
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility 150
 Sub Total 2207.50

Ruined Packer
 Extra Copies
 Sub Total 0
 Total 2207.50
 MP/DST Disc't

Approved By _____ Our Representative [Signature]

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57800

Well Name & No. Hogan Trust # 1-8 Test No. 2 Date 12/16/14
 Company So-Allyn Oil Co., Inc. Elevation 2374 KB 2363 GL
 Address P.O. Box 446 LAWRENCE, OK. 73848
 Co. Rep / Geo. Aaron Young Rig H2 Rig # 4
 Location: Sec. 8 Twp. 24s Rge. 21w Co. Hodgeman State KS.

Interval Tested 4618 - 4632 Zone Tested CHEROKEE
 Anchor Length 14' Drill Pipe Run 4300' Mud Wt. 9.6
 Top Packer Depth 4613 Drill Collars Run 308' Vis 49
 Bottom Packer Depth 4618 Wt. Pipe Run 2 WL 9.6
 Total Depth 4632 Chlorides 6,400 ppm System LCM 1#

Blow Description IF: Weak blow. Surf. - 1/2"
ISI: No blow.
FF: Weak blow. Surf - 1"
FSI: No blow.

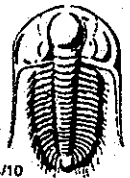
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCM</u>		<u>5</u>		<u>95</u>
<u>60</u>	<u>G.T.P.</u>	<u>100</u>			
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 119° Gravity N.A. API RW N.C. @ — °F Chlorides 6400 ppm

(A) Initial Hydrostatic <u>2375</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0120</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0135</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0518</u>
(D) Initial Shut-In <u>129</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0851</u>
(E) Second Initial Flow <u>20</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1207</u>
(F) Second Final Flow <u>27</u>	<input checked="" type="checkbox"/> Mileage <u>(50) 232.50</u>	Comments <u>Bank @ 2:00 A.M.</u>
(G) Final Shut-In <u>107</u>	<input type="checkbox"/> Sampler	<u>WT - indicator way messed</u>
(H) Final Hydrostatic <u>2319</u>	<input type="checkbox"/> Straddle	<u>up</u>
Initial Open <u>(30) 58</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>350</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>2557.50</u>
	<input checked="" type="checkbox"/> Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>2207.50</u>	

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57801

Well Name & No. Hogan Trust #1-8 Test No. 3 Date 12/17/14
 Company So-Allyn Oil Co., Inc. Elevation 2374 KB 2363 GL
 Address P.O. Box 446 Laverne, OK. 73848
 Co. Rep / Geo. Aaron Young Rig H2 Rig #4
 Location: Sec. 8 Twp. 24s Rge. 21w Co. Hodgeman State KS.

Interval Tested 4636 - 4684 Zone Tested Mississippi
 Anchor Length 48' Drill Pipe Run 4332 Mud Wt. 9.6
 Top Packer Depth 4631 Drill Collars Run 308' Vis 49
 Bottom Packer Depth 4636 Wt. Pipe Run 2 WL 9.6
 Total Depth 4684 Chlorides 5900 ppm System LCM #1

Blow Description IF: Weak blow. Surf. - 1" Decreased to 3/4" in 18 mins. 1/2" in 23 mins.
IST: No blow.
FF: Weak blow. Surf. - 1/4" Dead in 20 mins.
FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>500m (sh oil)</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT 118° Gravity N.A. API RW N.C. @ — ° F Chlorides 5900 ppm
 (A) Initial Hydrostatic 2361 Test 1250 T-On Location 0140
 (B) First Initial Flow 44 Jars 250 T-Started 0149
 (C) First Final Flow 46 Safety Joint 75 T-Open 0517
 (D) Initial Shut-In 114 Circ Sub _____ T-Pulled 0818
 (E) Second Initial Flow 47 Hourly Standby _____ T-Out 1120
 (F) Second Final Flow 47 Mileage (150) → 232.50 * Comments Check Test Time around
 (G) Final Shut-In 68 Sampler _____
 (H) Final Hydrostatic 2251 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 60 Extra Recorder _____
 Final Flow 30 Day Standby _____
 Final Shut-In 60 Accessibility 150 Sub Total 2207.50
 Sub Total 2207.50 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
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ALLIED OIL & GAS SERVICES, LLC 063069

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Med Lodge KS

DATE <i>12/10/14</i>	SEC <i>8</i>	TWP <i>24s</i>	RANGE <i>21w</i>	12/9/14 CALLED OUT <i>8:00 PM</i>	12/10/14 ON LOCATION <i>10:00 AM</i>	JOB START <i>3:30 AM</i>	JOB FINISH <i>4:00 PM</i>
LEASE <i>Hagen Trut</i>	WELL# <i>1-8</i>	LOCATION <i>East of Spearville to Rd 132, 8 mi North to Rd F, 1/2 mi West, South into</i>			COUNTY <i>Hodgeman</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *H2 Drilling #4*
 TYPE OF JOB *Surface*
 HOLE SIZE *7 7/8* TD *270*
 CASING SIZE *8 3/8* DEPTH *268*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX *150* MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. *20A*
 PERFS
 DISPLACEMENT *16 BBLs Fresh H₂O*

OWNER *Jo-Allyn Oil + Gas*
 CEMENT
 AMOUNT ORDERED *250 sx Class A + 3% cut 2% Gel*

EQUIPMENT
 PUMP TRUCK CEMENTER *Jason Thumseh*
 # *548/545* HELPER *Kindel Holman*
 BULK TRUCK
 # *544/198* DRIVER *Andy Finne (GB)*
 BULK TRUCK
 # DRIVER

COMMON <i>Class A 250 sx @ 17.90</i>	<i>4475.00</i>
POZMIX @	
GEL <i>470 @ .50</i>	<i>235.00</i>
CHLORIDE <i>705 @ 1.10</i>	<i>775.50</i>
ASC @	
HANDLING @	
MILEAGE @	

REMARKS:

2090 = 1097.10

TOTAL *5485.50*

SERVICE

DEPTH OF JOB <i>268</i>	
PUMP TRUCK CHARGE <i>1512 25</i>	
EXTRA FOOTAGE <i>1V 40 mi @ 4.40</i>	<i>176.00</i>
MILEAGE <i>40 @ 7.70</i>	<i>308.00</i>
MANIFOLD @	
<i>Handling 270.33 cut @ 2.48</i>	<i>670.41</i>
<i>Drage 493.50 t-n @ 2.75</i>	<i>1359.12</i>

2090 = 804.75

TOTAL *4023.78*

CHARGE TO: *Jo-Allyn O.I. + Gas*
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

@	
@	
@	
@	
@	

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

TOTAL