

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

10500 E. Berkeley Sq. Pkwy  
Suite 100  
Wichita, KS 67206-6816

ATTN: Kitt Noah

### **Wilkinson #1-32**

### **32-24S-3E Butler, KS**

Start Date: 2019.04.07 @ 19:59:00

End Date: 2019.04.08 @ 03:03:09

Job Ticket #: 63939                      DST #: 1

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

Printed: 2019.04.10 @ 10:18:15



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co., Inc.  
10500 E. Berkeley Sq. Pkw y  
Suite 100  
Wichita, KS 67206-6816  
ATTN: Kitt Noah

**32-24S-3E Butler, KS**

**Wilkinson #1-32**

Job Ticket: 63939

**DST#: 1**

Test Start: 2019.04.07 @ 19:59:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:42:30  
 Time Test Ended: 03:03:09  
 Interval: **2765.00 ft (KB) To 2782.00 ft (KB) (TVD)**  
 Total Depth: 2782.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Reference Elevations: 1356.00 ft (KB)  
 1350.00 ft (CF)  
 KB to GR/CF: 6.00 ft

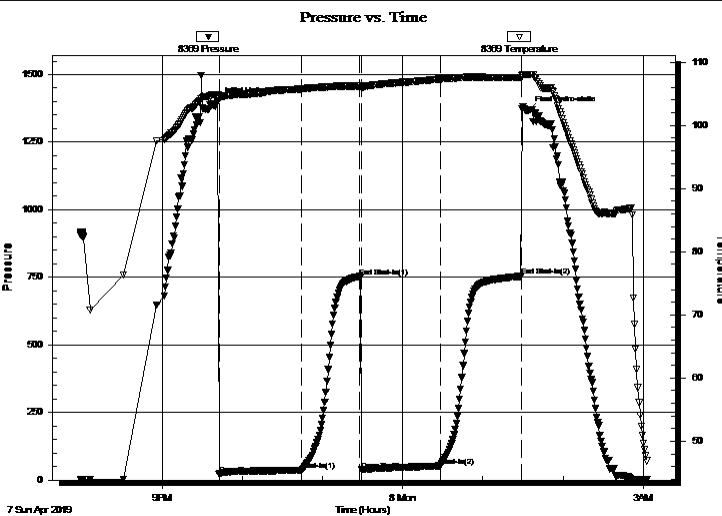
**Serial #: 8369**

**Outside**

Press@RunDepth: 52.91 psig @ 2766.00 ft (KB)  
 Start Date: 2019.04.07 End Date: 2019.04.08  
 Start Time: 19:59:01 End Time: 03:03:10

Capacity: 8000.00 psig  
 Last Calib.: 2019.04.07  
 Time On Btm: 2019.04.07 @ 21:42:00  
 Time Off Btm: 2019.04.08 @ 01:34:20

TEST COMMENT: IF - Weak blow building to 8"  
 FF - BOB in 48 minutes. Built to 14"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1399.75	104.87	Initial Hydro-static
1	21.00	104.30	Open To Flow (1)
63	35.82	105.77	Shut-In(1)
106	753.23	106.21	End Shut-In(1)
108	37.71	105.96	Open To Flow (2)
166	52.91	107.32	Shut-In(2)
227	753.85	107.58	End Shut-In(2)
233	1365.50	108.03	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	HOCM 43% O & 57% M	0.44
5.00	Clean oil 100% O	0.02
0.00	90' GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co., Inc.

**32-24S-3E Butler, KS**

10500 E. Berkeley Sq. Pkwy  
Suite 100  
Wichita, KS 67206-6816  
ATTN: Kitt Noah

**Wilkinson #1-32**

Job Ticket: 63939

**DST#: 1**

Test Start: 2019.04.07 @ 19:59:00

## Tool Information

Drill Pipe:	Length: 2652.00 ft	Diameter: 3.80 inches	Volume: 37.20 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 57000.00 lb
			<u>Total Volume: 37.78 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	2765.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2738.00	
Shut In Tool	5.00			2743.00	
Hydraulic tool	5.00			2748.00	
Jars	5.00			2753.00	
Safety Joint	3.00			2756.00	
Packer	5.00			2761.00	28.00 Bottom Of Top Packer
Packer	4.00			2765.00	
Stubb	1.00			2766.00	
Recorder	0.00	8369	Outside	2766.00	
Recorder	0.00	8846	Inside	2766.00	
Perforations	11.00			2777.00	
Bullnose	5.00			2782.00	17.00 Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co., Inc.

**32-24S-3E Butler, KS**

10500 E. Berkeley Sq. Pkw y  
Suite 100  
Wichita, KS 67206-6816  
ATTN: Kitt Noah

**Wilkinson #1-32**

Job Ticket: 63939

**DST#: 1**

Test Start: 2019.04.07 @ 19:59:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40.3 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
90.00	HOCM 43% O & 57% M	0.443
5.00	Clean oil 100% O	0.025
0.00	90' GIP	0.000

Total Length: 95.00 ft      Total Volume: 0.468 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

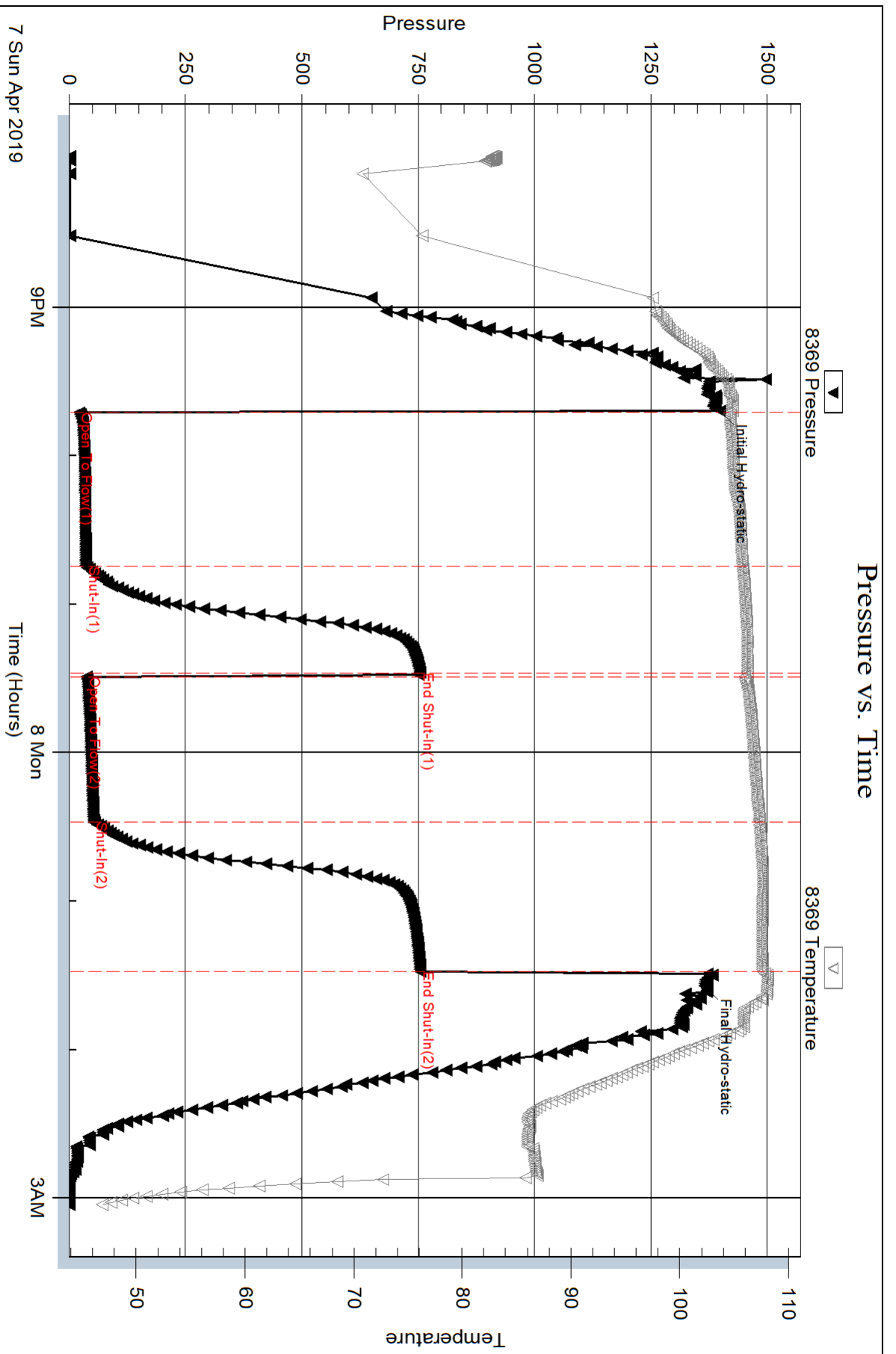
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





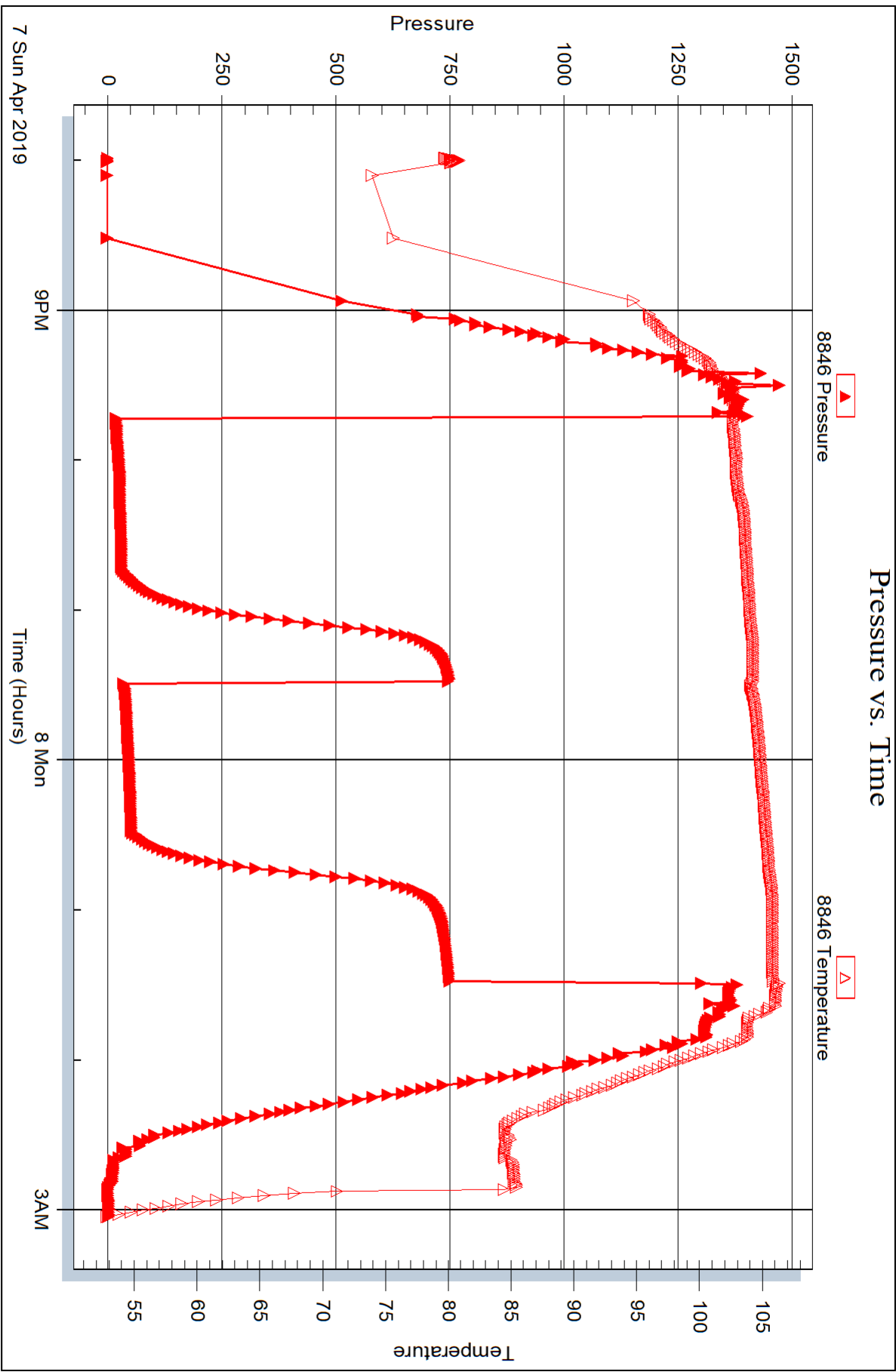
Serial #: 8846

Inside

Hartman Oil Co., Inc.

Wilkinson #1-32

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co., Inc.**

10500 E. Berkeley Sq. Pkwy  
Suite 100  
Wichita, KS 67206-6816

ATTN: Kitt Noah

### **Wilkinson #1-32**

### **32-24S-3E Butler, KS**

Start Date: 2019.04.08 @ 08:22:00

End Date: 2019.04.08 @ 14:39:09

Job Ticket #: 63940                      DST #: 2

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

Printed: 2019.04.10 @ 10:17:43



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Hartman Oil Co., Inc.  
10500 E. Berkeley Sq. Pkw y  
Suite 100  
Wichita, KS 67206-6816  
ATTN: Kitt Noah

**32-24S-3E Butler, KS**

**Wilkinson #1-32**

Job Ticket: 63940

**DST#: 2**

Test Start: 2019.04.08 @ 08:22:00

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:37:20  
 Time Test Ended: 14:39:09  
 Interval: **2765.00 ft (KB) To 2787.00 ft (KB) (TVD)**  
 Total Depth: 2787.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Reference Elevations: 1356.00 ft (KB)  
 1350.00 ft (CF)  
 KB to GR/CF: 6.00 ft

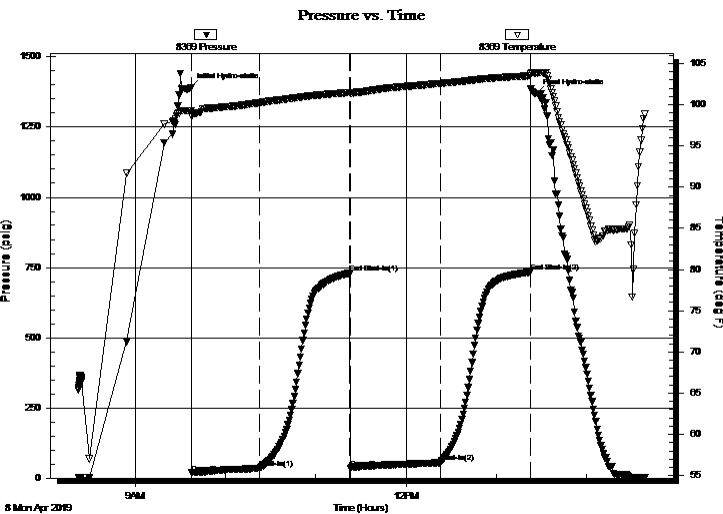
**Serial #: 8369**

**Outside**

Press@RunDepth: 55.15 psig @ 2766.00 ft (KB)  
 Start Date: 2019.04.08 End Date: 2019.04.08  
 Start Time: 08:22:01 End Time: 14:39:10

Capacity: 8000.00 psig  
 Last Calib.: 2019.04.08  
 Time On Btm: 2019.04.08 @ 09:36:40  
 Time Off Btm: 2019.04.08 @ 13:26:39

TEST COMMENT: IF - Weak blow building to 6"  
 FF - BOB in 45 minutes. Built to 14"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1389.60	99.27	Initial Hydro-static
1	18.24	98.59	Open To Flow (1)
46	34.91	100.22	Shut-In(1)
106	729.28	101.47	End Shut-In(1)
107	34.59	101.31	Open To Flow (2)
166	55.15	102.58	Shut-In(2)
226	733.76	103.51	End Shut-In(2)
230	1368.75	103.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
85.00	GHOCM 4% G 31% O & 65% M	0.42
0.00	80' GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Hartman Oil Co., Inc.

**32-24S-3E Butler, KS**

10500 E. Berkeley Sq. Pkwy  
Suite 100  
Wichita, KS 67206-6816  
ATTN: Kitt Noah

**Wilkinson #1-32**

Job Ticket: 63940

**DST#: 2**

Test Start: 2019.04.08 @ 08:22:00

## Tool Information

Drill Pipe:	Length: 2652.00 ft	Diameter: 3.80 inches	Volume: 37.20 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 37.78 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	2765.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			2738.00	
Shut In Tool	5.00			2743.00	
Hydraulic tool	5.00			2748.00	
Jars	5.00			2753.00	
Safety Joint	3.00			2756.00	
Packer	5.00			2761.00	28.00 Bottom Of Top Packer
Packer	4.00			2765.00	
Stubb	1.00			2766.00	
Recorder	0.00	8369	Outside	2766.00	
Recorder	0.00	8846	Inside	2766.00	
Perforations	16.00			2782.00	
Bullnose	5.00			2787.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 50.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hartman Oil Co., Inc.

**32-24S-3E Butler, KS**

10500 E. Berkeley Sq. Pkw y  
Suite 100  
Wichita, KS 67206-6816  
ATTN: Kitt Noah

**Wilkinson #1-32**

Job Ticket: 63940

**DST#: 2**

Test Start: 2019.04.08 @ 08:22:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 9.98 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
85.00	GHOCM 4% G 31% O & 65% M	0.418
0.00	80' GIP	0.000

Total Length: 85.00 ft      Total Volume: 0.418 bbl

Num Fluid Samples: 0

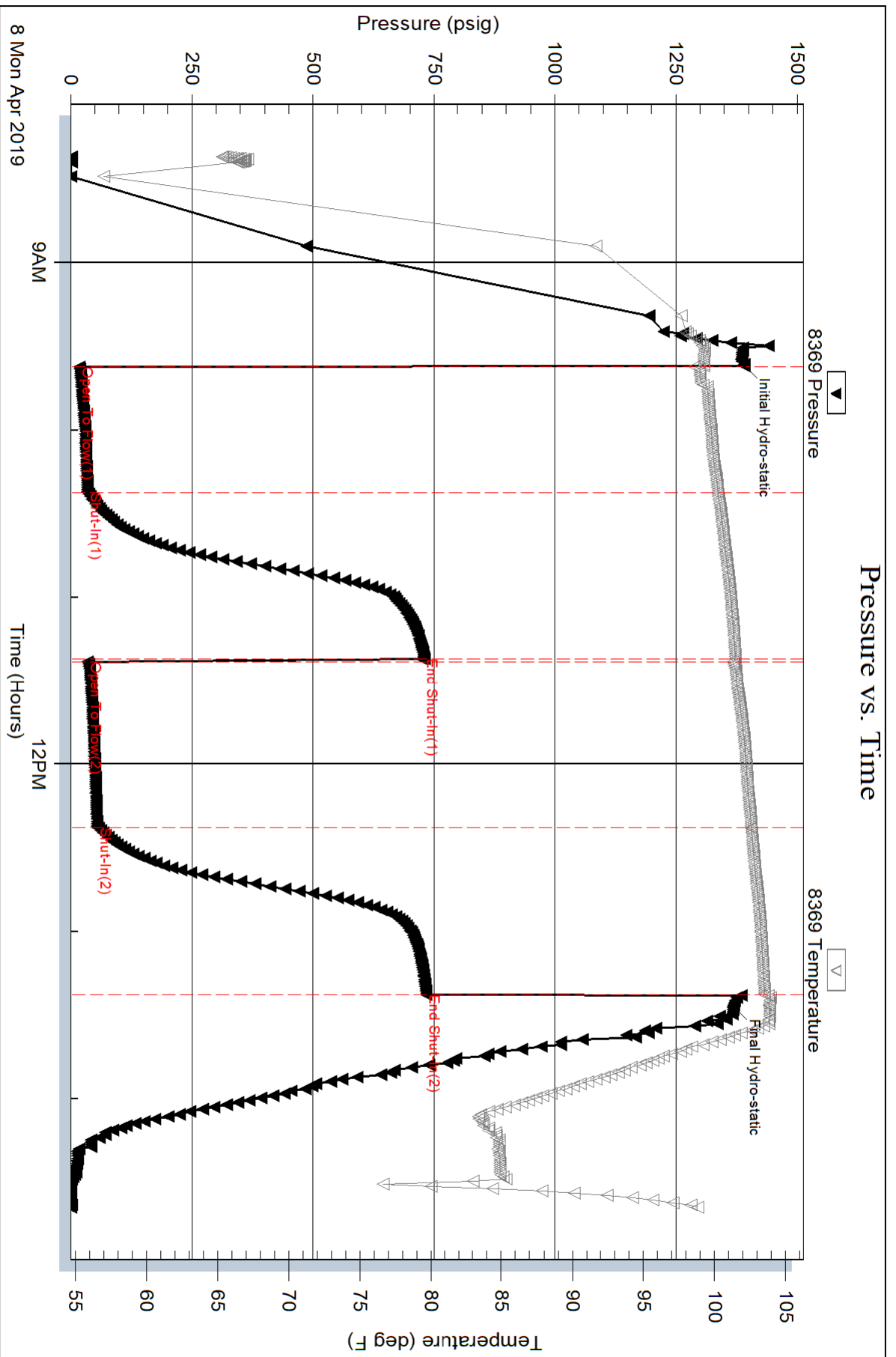
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





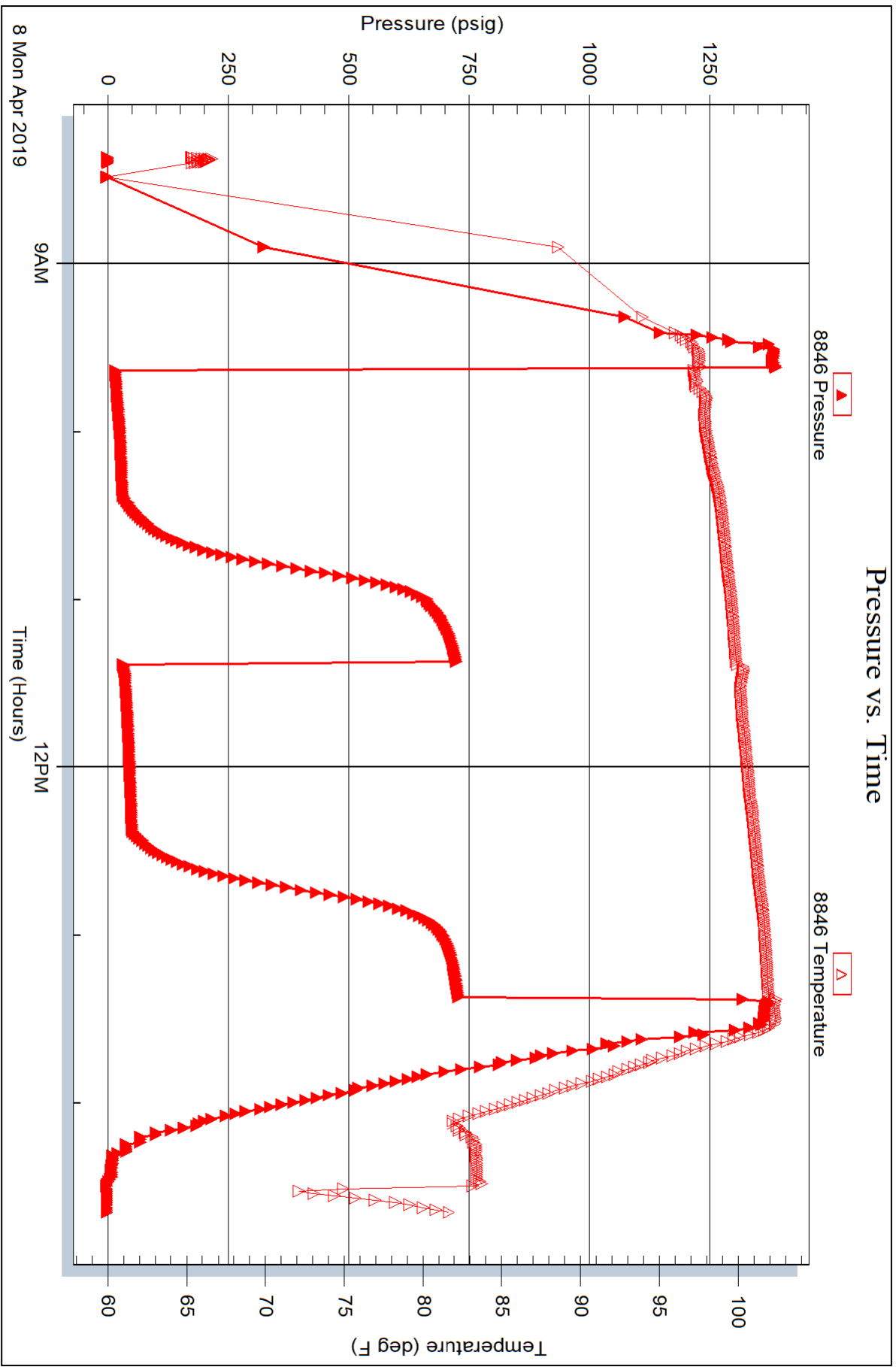
Serial #: 8846

Inside

Hartman Oil Co., Inc.

Wilkinson #1-32

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63939

Well Name & No. Wilkinson # ~~102~~ 1-32 Test No. 1 Date 4-7-19  
 Company Hartman Oil Co., Inc. Elevation 1356 KB 1350 GL  
 Address 10500 E. Berkeley Sq. Pkwy, Suite 100, Wichita, KS 67206-6810  
 Co. Rep / Geo. Corey Stucky / Kitt Noah Rig WW Drilling #4  
 Location: Sec. 32 Twp 24S Rge. 3 E Co. Butler State KS

Interval Tested 2765 - 2782 Zone Tested Mississippian  
 Anchor Length 17' Drill Pipe Run 2652 Mud Wt. 9.4  
 Top Packer Depth 2760 Drill Collars Run 118 Vis 45  
 Bottom Packer Depth 2765 Wt. Pipe Run 0 WL 9.2  
 Total Depth 2782 Chlorides 4500 ppm System LCM

Blow Description IF-Weak blow building to 8 inches IFP  
FF-Weak blow building to strong blow 48 min into FFP.  
continuing to build to 14 inches FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>Heavy oil cut mud</u>	<u>43</u>	<u>57</u>	<u>0</u>	<u>0</u>
<u>5</u>	<u>Clean oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>90</u>	<u>Gas in pipe</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>

Rec Total 95 BHT 108 Gravity 40.3 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1400</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>1845</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1959</u>
(C) First Final Flow <u>36</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2143</u>
(D) Initial Shut-In <u>753</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0128</u>
(E) Second Initial Flow <u>38</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0300</u>
(F) Second Final Flow <u>53</u>	<input checked="" type="checkbox"/> Mileage <u>208rt</u> <u>RT 64</u>	Comments _____
(G) Final Shut-In <u>754</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1366</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1983</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1983</u>	

Approved By \_\_\_\_\_ Our Representative Jimmy Nichols

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.



# TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63940

Well Name & No. Wilkinson # 1-32 Test No. 2 Date 4-8-19  
 Company Hartman Oil Co., Inc. Elevation 1356 KB 1350 GL  
 Address 10500 E. Berkeley Sq. Pkwy, Suite 100, Wichita, KS 67206-686  
 Co. Rep / Geo. Corey Stucky / Kitt Noah Rig Ww Drilling #4  
 Location: Sec. 32 Twp 24S Rge. 3E Co. Butler State KS

Interval Tested 2765-2787 Zone Tested Mississippian  
 Anchor Length 22' Drill Pipe Run 2652 Mud Wt. 9.5  
 Top Packer Depth 2760 Drill Collars Run 118 Vis 46  
 Bottom Packer Depth 2765 Wt. Pipe Run 0 WL 10.0  
 Total Depth 2787 Chlorides 3000 ppm System LCM  
 Blow Description IF-weak blow building to 6 inches IFP  
FF-weak blow building to strong blow 45 mins. into FFF.  
Continuing to build to 14 inches

Rec	Feet of	%gas	%oil	%water	%mud
<u>85</u>	<u>Gassy Heavy oil cut mud</u>	<u>4</u>	<u>31</u>	<u>65</u>	
<u>80</u>	<u>Gas in pipe</u>	<u>100</u>			

Rec Total 85 BHT 104 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1390</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>0805</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0822</u>
(C) First Final Flow <u>35</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0938</u>
(D) Initial Shut-In <u>729</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1323</u>
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1430</u>
(F) Second Final Flow <u>55</u>	<input checked="" type="checkbox"/> Mileage <u>128</u> <u>RT64</u>	Comments _____
(G) Final Shut-In <u>734</u>	<input type="checkbox"/> Sampler _____	<u>Loaded tools 4/10 00:20</u>
(H) Final Hydrostatic <u>1369</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1903</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1903</u>	

Approved By \_\_\_\_\_ Our Representative Jimmy Dickette  
 Tribolite 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.



**WESLEY D. HANSEN Consulting Petroleum Geologist**

212 N. Market, Suite 257, Wichita, KS 67202  
Cellular: 316-772-6188  
email: whansen4651@sbcglobal.net

**KGS  
AAPG  
Kansas License #418**



**HARTMAN OIL** CO INC  
PEOPLE WITH ENERGY

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

**Well Name:** Hartman Oil Co., Inc. #1-32 Wilkonson  
**API:** 15-015-24121

**Location:** 1966' FNL, 1802' FEL of Section 32-24S-3E

**License Number:**

**Region:** Butler County, Kansas

**Spud Date:** 4-3-2019

**Drilling Completed:** 4-11-2019

**Surface Coordinates:** 1966' FNL, 1802' FEL of Section 32-24S-3E

**Bottom Hole Vertical hole**

**Coordinates:**

**Ground Elevation (ft):** 1351'

**K.B. Elevation (ft):** 1356'

**Logged Interval (ft):** 1700' To: RTD

**Total Depth (ft):** 3322'

**Formation:** Simpson at RTD

**Type of Drilling Fluid:** Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

#### **OPERATOR**

**Company:** Hartman Oil Co., Inc.  
**Address:** 10500 E. Berkeley Square Parkway  
Suite 100  
Wichita, KS 67206

#### **GEOLOGIST**

**Name:** Wesley D. Hansen  
**Company:** Wesley D. Hansen - Consulting Petroleum Geologist  
**Address:** 212 N. Market, Suite 257  
Wichita, KS 67202  
Cellular: 316-772-6188

## COMMENTS

Contractor: WW Drilling Rig 4  
 Pusher: Dustin Day

Surface Casing: 8 5/8" set at 257' w/200 sx  
 Production Casing: 5 1/2" set at 3314' w/575 sx

Mud by: MudCo - Matt Smith was the engineer

DST's by: Trilobite Testing - Jimmy Ricketts was the tester

Logs by: ELI - (DIL, CN-CD, ML) - Gus Pfanenstiel was the engineer

Deviation Surveys: 3/4 deg. @257'; 1 1/4 deg. @675'; 3/4 deg. @1469'; 3/4 deg. @1857'; 1 deg. @2364'; 1 deg. @2782'; 3 deg. @3322'

## BIT RECORD

Bit #	Size	MFG	Type	Depth Out	Footage Cut	Hours on bit
1	12 1/4"	Smith	PDC	257'	257'	4
2	7 7/8"	Smith	F27	2802'	2545'	62.5
3	7 7/8"	Smith	PDC	3322'	520'	18.25

## FORMATION TOPS AND STRUCTURAL COMPARISON

FORMATION	SAMPLE TOPS		LOG TOPS		COMPARISON WELLS	
	Depth	Datum	Depth	Datum	1.)	2.)
		KB 1356'		KB 1356'	1.) Marshel Oil & Gas Kaufman #1 SWSEW 5-25-3E	2.) Range Oil Company Roth #1 1500' FSL, 1200' FWL 5-25-3E
					1.)	2.)
Heebner Shale (DT)	1785'	-429	1786'	-430	-425	-413
Brown Lime	1976'	-620	1973'	-617	-612	-602
Lansing	2074'	-718	2074'	-718	-714	-704
Base/Lansing	2220'	-864	2214'	-858	-852	-838
Kansas City	2347'	-991	2344'	-988	-982	-971
Stark Shale	2446'	-1090	2446'	-1090	-1084	-1070
Hushpuckney Shale	2478'	-1122	2478'	-1122	-1112	-1100
BKC	2509'	-1153	2509'	-1153	-1145	-1130
Marmaton	2571'	-1215	2570'	-1214	-1208	-1191
Altamont	2604'	-1248	2604'	-1248	-1238	-1226
Mississippian	2777'	-1421	2780'	-1424	-1408	-1427
Kinderhook Shale*	3103'	-1747	3102'	-1746	-1751	NDE
Hunton*	3192'	-1836	3194'	-1838	-1835	NDE
Viola*	3240'	-1884	3252'	-1896	-1893	NDE
Simpson*	3304'	-1948	not logged		-1965	NDE
RTD	3322'	-1966				
LTD			3322'	-1966		

\*Sample tops from Kinderhook through Simpson were adjusted down 32' to compensate for extra joint of drill pipe

# DRILL STEM TESTS

DST No. 1 Mississippian  
Interval: 2765'-2782'  
Times: 60-45-60-60  
Recovery: 90' GIP; 5' clean oil; 90'HOCM (43o, 57m)  
FP: 21-36/38-53 SIP: 753-754  
HP: 1400-1365 BHT: 108 deg. F

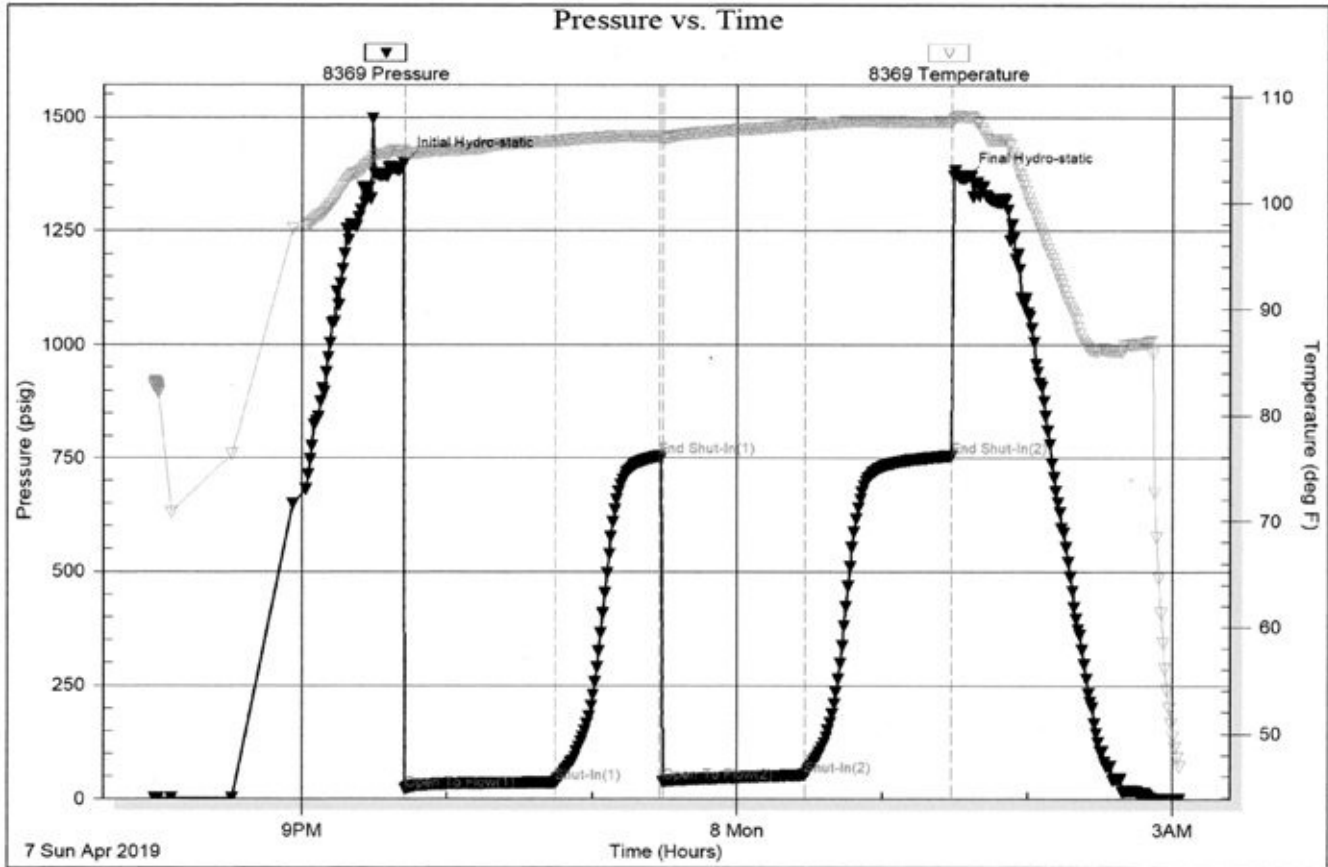
IFP: weak blow bldg. to 8 inches  
ISIP: no return blow  
FFP: weak blow bldg. to 14 inches  
FSIP: no return blow

Serial #: 8369

Outside Hartman Oil Co., Inc.

Wilkinson #1-32

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 63939

Printed: 2019.04.06 @ 07:37:05

# DRILL STEM TESTS

DST No. 2 Mississippian  
 Interval: 2782'-2787'  
 Times: 60-45-60-60  
 Recovery: 80' GIP; 85' G&HOCM (4g, 31o, 65m)  
 FP: 18-35/35-55 SIP: 729-734  
 HP: 1390-1369 BHT: 104 deg. F

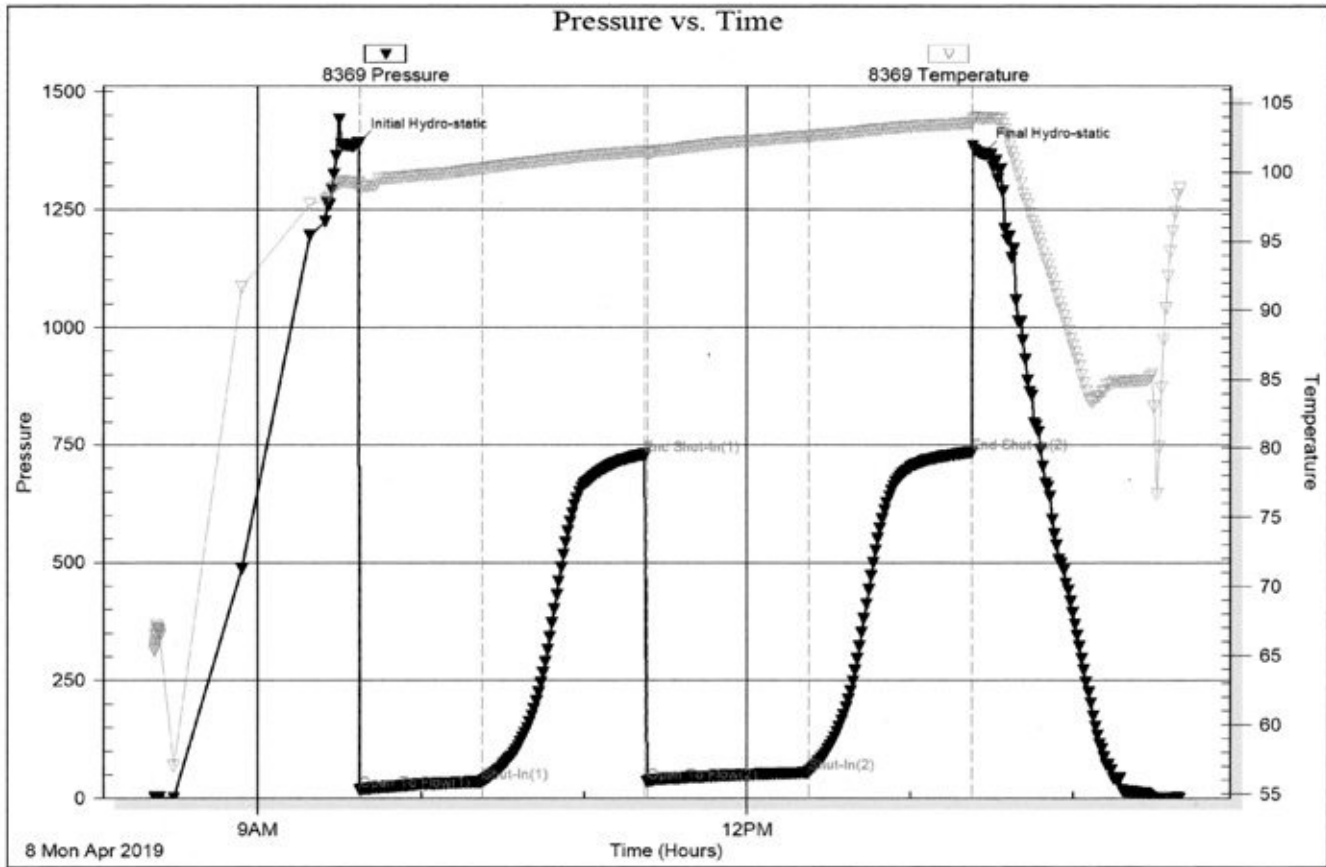
IFP: weak blow bldg. to 6 inches  
 ISIP: no return blow  
 FFP: weak blow bldg. to 14 inches  
 FSIP: no return blow

Serial #: 8369

Outside Hartman Oil Co., Inc.

Wilkinson #1-32

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63940

Printed: 2019.04.08 @ 16:46:41

## ROCK TYPES

- Anhy
- Cht
- Coal
- Congl
- Gyp
- Lmst
- Salt

- Shale
- Shcol
- Shale red
- Sltst
- Ss
- Carb sh
- Dol

- Dtd
- Gry sh
- Sandylms
- Shale green
- Sltstn
- Shlyslts
- Sltyslsh

- Sdy dolo
- Silty dolo
- Shy dolo
- Shaly ls

### ACCESSORIES

#### FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite

- Plant
- Strom
- Fuss
- Oomold

#### MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr

- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

#### STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

### OTHER SYMBOLS

#### INTERVALS

- Core
- Dst
- Dst

#### EVENTS

- Rft
- Dst top/base

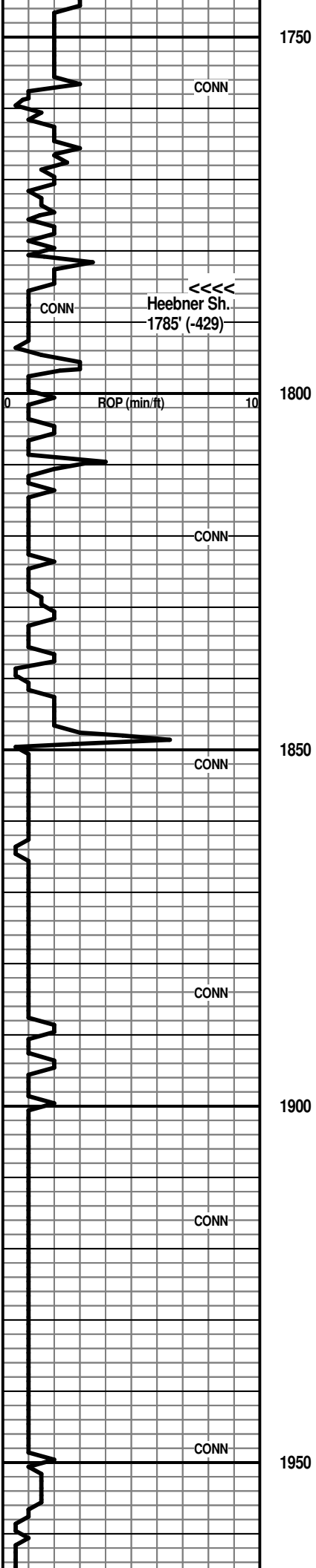
#### OIL SHOWS

- Even
- Spotted
- Quest.

- Trace
- Dead
- Gas show

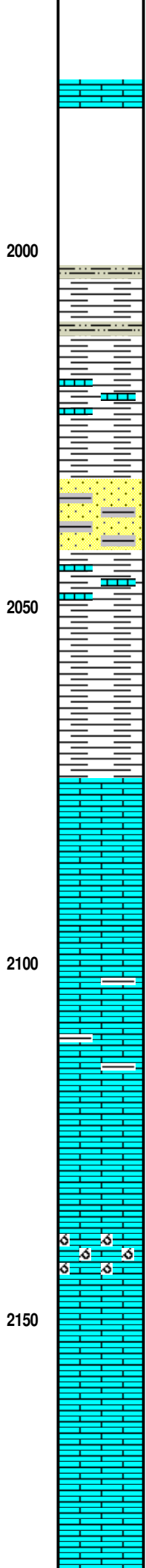
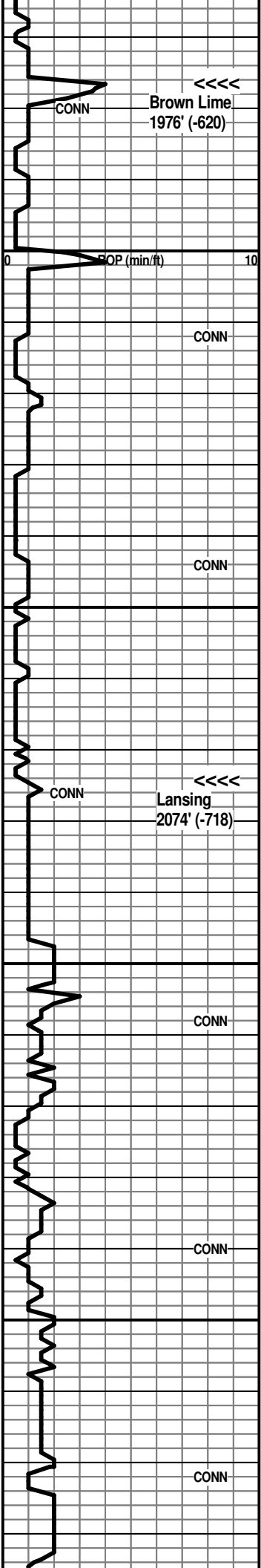
Curve Track 1 ROP (min/ft)	Depth	Lithology	Geological Descriptions	Remarks
	<p>0</p> <p style="margin-top: 100px;">1700</p> <p style="margin-top: 100px;">10</p>	<p>CONN</p>		<p><b>Morning Depth &amp; Activity</b></p> <p>4-3-2019 MIRT, Spud at 9:30 PM</p> <p>4-4 WOC @ 257'</p> <p>4-5 Drlg. @ 1021'</p> <p>4-6 Drlg. @ 1948</p> <p>4-7 Drlg. @ 2622'</p> <p>4-8 CFS @ 2787'</p> <p>4-9 Drlg. @ 3004'</p> <p>4-10 WOO @ 3322'</p> <p>4-11 Run casing</p>





Heebner Sh. 1785' (-429)

7:00 AM at 1948' on 4-6-2019



Sh: lt to med gray, some silty; scatt. Ls: lt to med brn mic-vfxln dense

Sh: more med to dark gray; some lt gray Siltst

Sh: vc gray, some gray-green; silty IP with scatt. Siltst AA

Sh: mix AA, some gray-green, brn, some micac. gray; Ls: scatt. tan, lt brn dense

Sst: influx lt gray vfg, sl micac. IP; shale mix AA; scatt. Ls's AA

mix shales and Sst AA; Ls: offwhite, tan, lt brn mic-vfxln dense

Sh: becoming pred. med to dark gray, scatt. gray-green, brn

Ls: influx in 2100' spl - offwhite, tan mic-vfxln dense; lesser lt brn vf-cryptoxln, NVP, N.S.

Ls: offwhite, tan mic-vfxln dense; some gran. with poor-NVP; other lt to med brn cryptoxln to gran., NVP, N.S.

Ls: mix AA, some offwhite subchalky; influx med to dark gray shale

Ls: more tan, lt to med brn gran., poor-NVP, N.S.; Sh: sl influx dark gray, dark red-brn

very shaly mix AA; some lt gray and dark brn cryptoxln Ls

very shaly AA; Ls: some offwhite, tan oolitic with fair to good fine oomoldic por., N.S.

very shaly samples AA; Ls: mix offwhite, tan mic-vfxln dense; some gran., scatt. oolitic AA

still very shaly samples; Ls: tan, offwhite mic-vfxln dense, gran. IP, poor-NVP, N.S.

AA

2200' spl - (great spl) flood Ls: mix tan, offwhite mic-vfxln dense and lt brn, gray-brn cryptoxln, NVP, N.S.

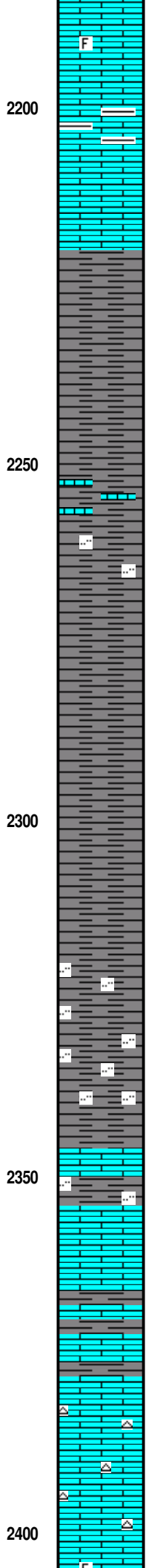
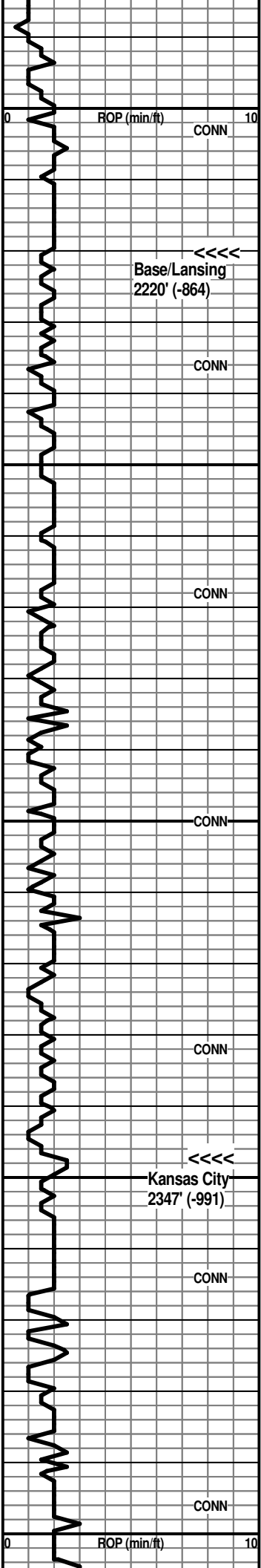
**Brown Lime 1976' (-620)**

Start 10' samples - wet and dry

**Lansing 2074' (-718)**

spls very shaly - not mudded up

mud up with two pre-mixes



Ls: mix tan, lt gray, lt brn cryptoxln; tan, offwhite micxln dense and mottled tan gran., sl foss., poor-NVP, N.S.  
 Ls: mix AA, some tan, offwhite micxln subchalky; influx Sh: med to dark gray, some gray-green  
 Ls: pred. tan, offwhite mic-vfxln dense; lesser med brn cryptoxln to sl gran., NVP  
 40' spl - flood Sh: med gray, firm; some pale gray mushy, clayey  
 Sh: med gray  
 Sh: AA, some pale gray mushy, clayey  
 Sh: med gray AA; with sl influx Ls: mix offwhite mic-vfxln dense and tan, lt brn gran., vsl pyritic IP, vsl foss. IP; trace offwhite vfg calcar. Sst  
 Sh: flood med gray, firm, silty IP  
 Sh: AA  
 Sh: AA  
 Sh: med gray firm  
 Sh: AA; some pale gray gummy  
 Sh: mix AA  
 Sh: med gray firm and med gray silty  
 Sh: mix AA  
 Ls: sl mott. tan/brn gran. IP, NVP, N.S.; med brn, gray cryptoxln; Sh: lt to med gray, med gray finely micac. and silty  
 Ls: sl influx med brn cryptoxln, NVP  
 Ls: tan, lt brn, lt gray cryptoxln and offwhite, tan mic-vfxln dense  
 Ls: mix AA with beds of med to dark gray shale  
 Ls: lt to med brn, lt gray cryptoxln; tan, offwhite mic-vfxln dense, NVP, N.S.; Chert: some tan opq, sharp  
 Ls: sl cherty mix AA; minor med to dark gray shale  
 Ls: mix AA; some mottled mic-fnxln, NVP, foss. IP, N.S.

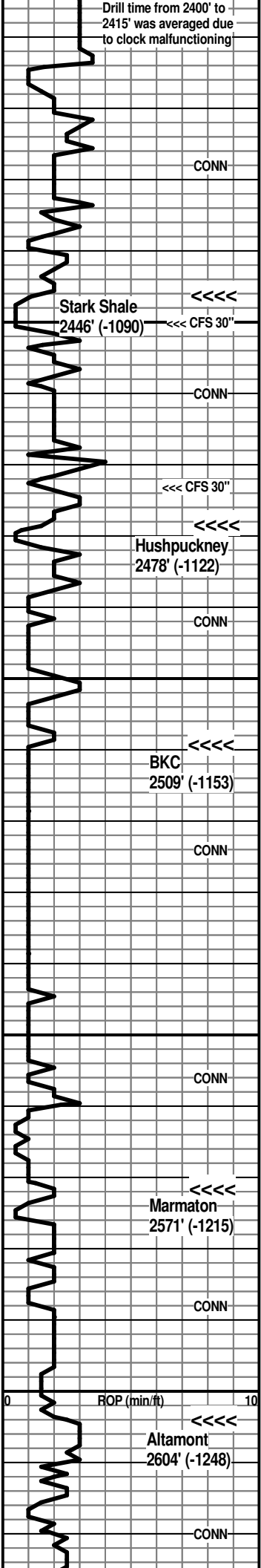
**Base/Lansing 2220' (-864)**

vis 46 wt 9.3+  
WOB 28K RPM 80 SPM 60

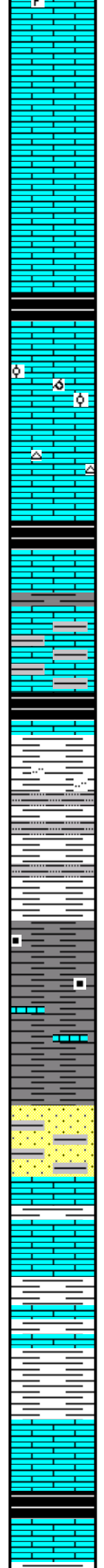
**Kansas City 2347' (-991)**

vis 45 wt 9.4

Drill time from 2400' to 2415' was averaged due to clock malfunctioning



2450  
2500  
2550  
2600



Ls: various lt to med brn, gray cryptoxln to gran. IP, NVP, N.S.; tan mic-vfxln dense; tan mic-fnxln with some interxln por., N.S.  
Ls: mix tan micxln dense; lt to med brn, gray cryptoxln to sl gran., NVP  
Ls: various tan, lt gray, offwhite mic-vfxln; lesser gray cryptoxln; scatt. chips with large calcite xtals, N.S.  
Ls: influx offwhite micxln, subchalky IP  
Sh: black carbon.  
Ls: mottled tan, gray, brn gran., shaly IP  
Ls: lt gray, tan gran. to oolitic IP with poor inter-particle and oomoldic por., N.S.  
Ls: good influx offwhite, tan mic-vfxln dense, subchalky IP and med brn cryptoxln, NVP, N.S.  
Ls: mix AA, more tan, lt brn vf-cryptoxln; with offwhite opq chert  
Ls: mix tan mic-vfxln dense and lt to med brn cryptoxln, NVP  
Sh: black carbon.  
Ls: dark brn cryptoxln  
Ls: pred.lt to med brn cryptoxln, some dark brn AA; Sh: dark gray  
Ls: med to dark brn, gray cryptoxln  
Sh: black carbon.  
Sh: lt to med gray, some silty, some lt gray mushy; common Ls's AA  
Sh: lt to med gray more silty with Siltst: lt gray micac.  
Sh: flood med to dark gray, firm to soft, carbon. IP  
Sh: pred. dark gray; some dark gray shaly Ls  
Sh: med to dark gray, black AA; new soft lt gray; some pale gray mushy  
Sst: tan, lt gray vf-fg, calcar. and micac., tight, N.S.  
Ls: lt to med brn, gray gran. to cryptoxln, NVP, N.S.  
Ls: med-dark brn cryptoxln and gray silty; Sh: med to dark gray, silty IP  
Sh: influx lt to med gray, gray-green, some silty, some pale gray mushy; Ls: mottled tan/brn fn-coarse gran., NVP, N.S.  
Ls: flood lt gray, tan vf-cryptoxln, NVP, N.S.  
Ls: med to dark brn cryptoxln; Sh: dark gray, black carbon.  
Ls: various tan, brn, gray vf-cryptoxln with various gray shales

**Stark Shale 2446' (-1090)**

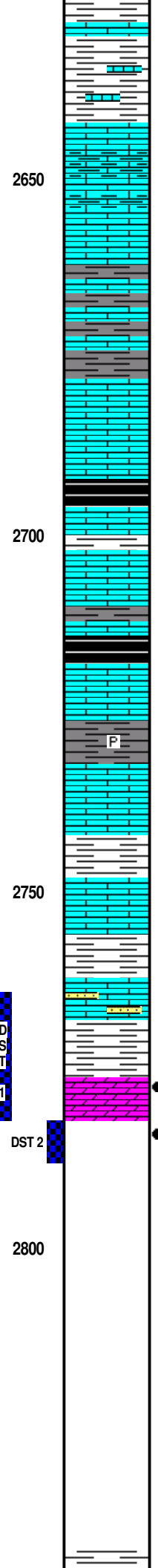
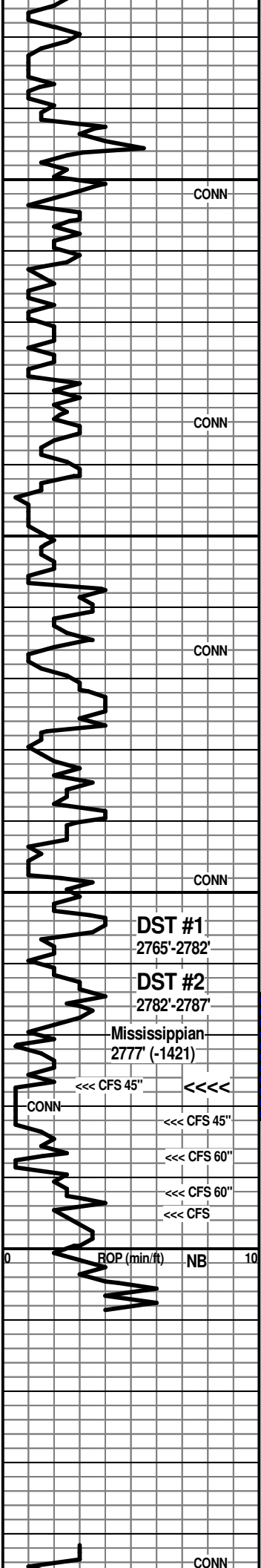
**Hushpuckney 2478' (-1122)**

**BKC 2509' (-1153)**

**Marmaton 2571' (-1215)**

**Altamont 2604' (-1248)**

7:00 AM at 2622' on 4-7-2019



Shales and Ls's AA

Ls: tan, lt to med brn vf-cryptoxln, some sl mottled; lt gray dense shaly

CONN

2650

Sh: black carb.

Ls: gray, lt brn coarse xln, scatt. fossils, mostly dense, N.S.

CONN

2700

Sh: black carb.

Sh: turq-green, sandy, glauc.

Ls: gray, lt brn coarse xln, foss., dense, N.S.

CONN

Ls: tan, gray coarse xln cherty tan, gray fresh, No vis. por., N.S.

Ls: tan fn-med xln, most dense, N.S.

Sh: gray with pyrite

Ls: tan

Sh: blue green

CONN

2750

Ls: tan med to coarse xln with incl., dense, N.S.

Ls: wht w/SS, wht-gray-green, rare tight clusters, fn-med grnd, subrnd, well sorted and cemented clusters, barren, NSFO, no odor

Sh: blue-green, sm maroon

CFS 2782' - Dolomite, brown-tan; fine to medium crystalline; rare vugular porosity; poor to fair intercrystalline porosity; good amount medium brown subsaturated to mostly saturated stain in 15" and 30" samples; slight to fair show of free oil; slight odor - rocks kick out oil and gas for several minutes when broken; abundant pieces tan, white and orange chert; show seems to weaken with less stained rocks in 45" sample.

CFS 2787' - Dolomite, gray; some fossilcast porosity; excellent large vugular porosity; many pieces white tripolitic chert also with large vugular porosity; very abundant pieces medium to dark brown subsaturated to saturated stain in 20" sample; slight show of free oil; good gassy odor; fewer pieces vuggy dolomite in 40" sample.

Ls: wht dolo fnxln, pr intprt por., glauc.N.S.; abun. gry & grn shale

Chris Peters was geologist from 2680' to 2760'

DST No. 1 Mississippian  
Interval: 2765'-2782'  
Times: 60-45-60-60  
IFP: weak blow bldg. to 8 inches  
ISIP: no return blow  
FFP: weak blow bldg. to 14 inches  
FSIP: no return blow  
Recovery: 90' GIP: 5' clean oil; 90'HOCM (43o, 57m)  
FP: 21-36/38-53 SIP: 753-754  
HP: 1400-1365 BHT: 108 deg. F

DST No. 2 Mississippian  
Interval: 2782'-2787'  
Times: 60-45-60-60  
IFP: weak blow bldg. to 6 inches  
ISIP: no return blow  
FFP: weak blow bldg. to 14 inches  
FSIP: no return blow  
Recovery: 80' GIP: 85' G&HOCM (4g, 31o, 65m)  
FP: 18-35/35-55 SIP: 729-734  
HP: 1390-1369 BHT: 104 deg. F

Kitt Noah was geologist from 2760' to RTD

Burgess not present; few remnant stringers

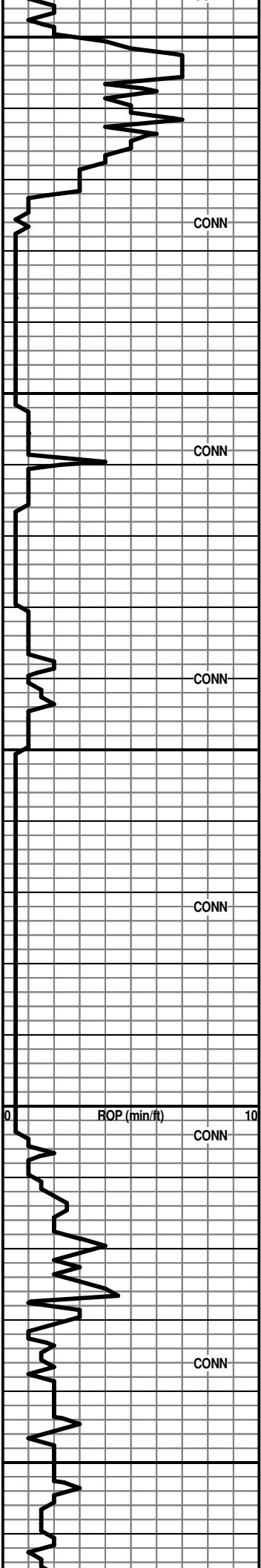
**Mississippian 2777' (-1421)**

CFS 2787' - Dolomite, gray; some fossilcast porosity; excellent large vugular porosity; many pieces white tripolitic chert also with large vugular porosity; very abundant pieces medium to dark brown subsaturated to saturated stain in 20" sample; slight show of free oil; good gassy odor; fewer pieces vuggy dolomite in 40" sample.

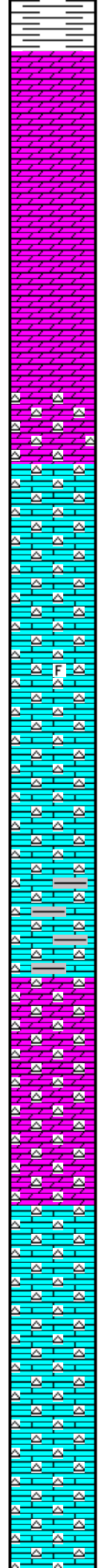
CFS 2792' - 20" - flood grn shale; 40" - Dolo: fn-med xln sm fossilcast, med vug. por., lt to med golden brn subsat-sat stain, SSFO, sli odor, no chert

CFS 2795' Dolo: crm fnxln, pr intxn por.; sm Ls: chalky - spls wash wht

All data was shifted down 32' at 2810' to

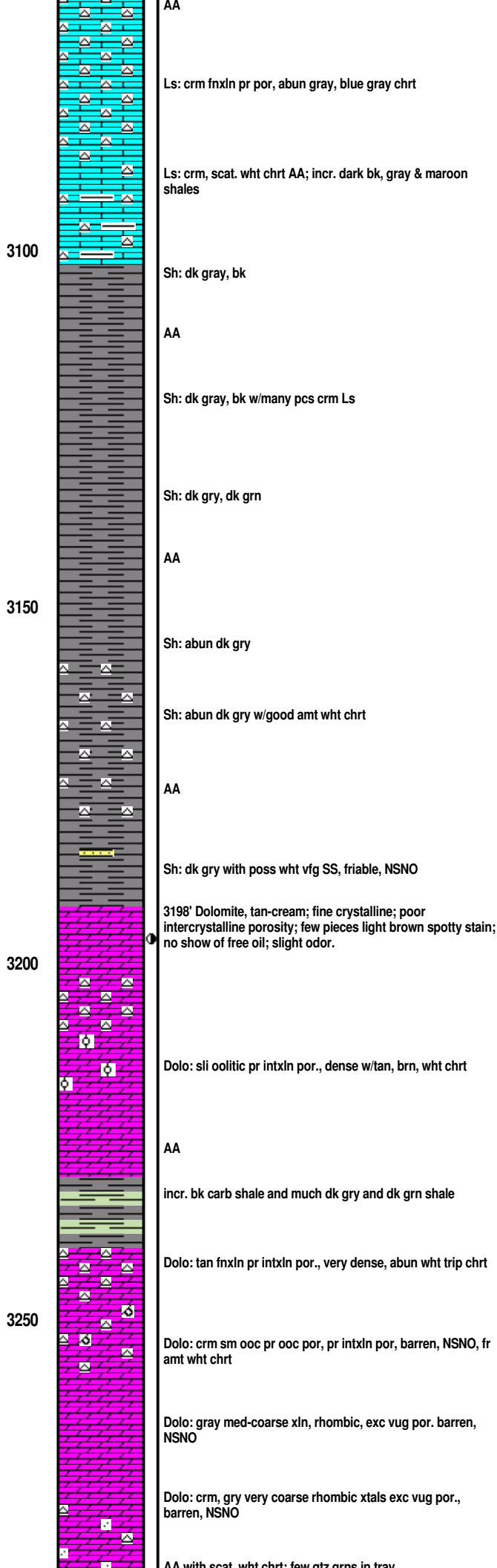
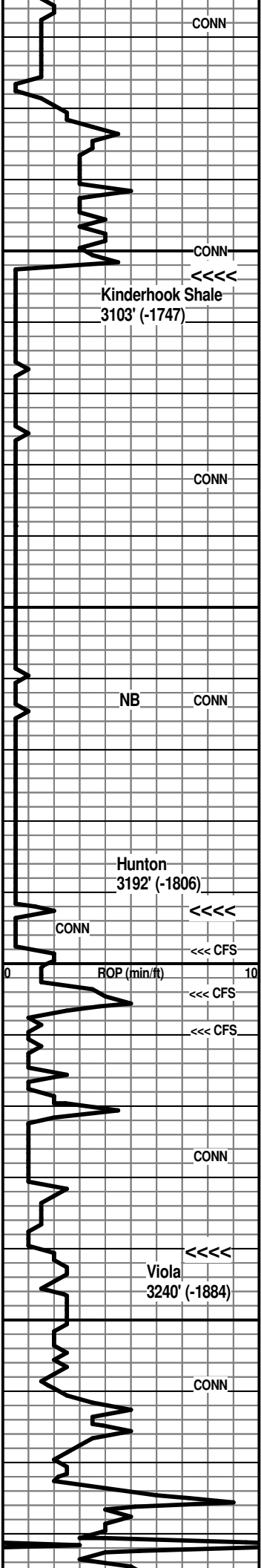


2850  
2900  
2950  
3000  
3050



Ls: crm, wht dolo fnxln pr intpart por., N.S.; flood dk gray & grn shale  
Dolo: tan fnxln pr intxn por., sli sucrosic, barren, N.S.; rare pcs wht chrt  
Dolo: AA; Sh: gray, grn, purple  
Dolo: crm, tan fnxln, pr intxn por., sli sucrosic, barren, N.S.  
Dolo: crm, tan AA  
AA  
Ls: dolo, crm fnxln pr intpart por., N.S.; abun wht & yellow chrt  
Ls: crm, wht very chrty, chalky, spls wash wht, wht & yellow chrt  
AA  
Ls: crm very chrty AA; incr. amt dk gray shale  
F  
Ls: crm tan fnxln fossil, pr interpart por., N.S., no odor; abun smoky blue chrt  
AA  
Ls: crm, tan fnxln, sli foss., pr intpart. por, NSNO, abun. blue gray ang chrt  
AA; Sh: dk gray  
Ls: crm, tan pr intpart por.; very abun. blue gray chrt  
Dolo: tan, brn, abun. chrt, pr intxn por., dense, barren  
Dolo: tan, abun. gray foss. chrt, sm brn  
Dolo: AA, very abun gray-dk gray chrt  
Ls: crm fnxln pr vis por, very abun. gray, blue gray shale  
AA  
Ls: crm, dolo, pr intpart por., NSNO, very abun wht chrt  
AA; very abun lt gray, translucent chrt  
Sh: flood blk  
Ls: crm fnxln barren, abun gray translucent chrt

account for a missing joint of drill pipe that was discovered when open hole logs were run. Log tops from the Mississippian and above were close to the sample tops. Below that point the tops were off approx. 30'.



**Kinnerhook Sh. 3103' (-1747)**

**Hunton 3192' (-1806)**

3204' Dolomite, tan; fine to rare medium crystalline; sucrosic; poor to fair intercrystalline and pinpoint porosity; few pieces light brown spotty stain; no show of free oil; no odor; increasing amount white chert; drilled rough.

3209' Dolomite, tan-cream; fine to medium crystalline; sucrosic; poor to fair intercrystalline porosity; barren; no show of free oil; no odor; abundant white translucent chert; drilled rough.

**Viola 3240' (-1884)**

AA with scat. whit chert, few qtz grains in tray

Sh: dk gry, cpl pcs kelly grn; sm Ls: crm, tan, brn

Sh: flood kelly grn

Sst: clr abun clusters fn-med grnd, friable well sorted NSNO;  
many med grnd qtz grains in bottom of tray

AA

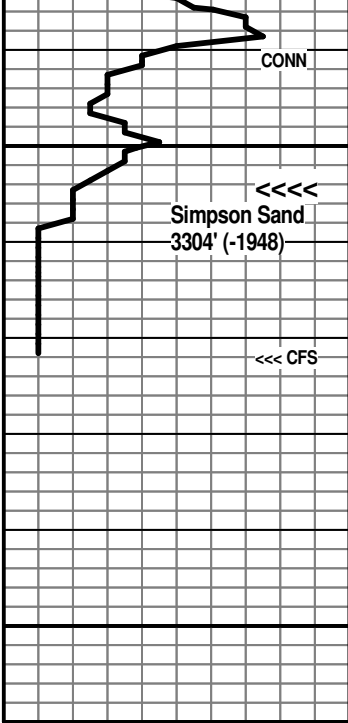
After review of samples, DST results and open hole logs, the decision was made to run 5 1/2" casing for further testing through perforations.

Respectfully submitted,

Wesley D. Hansen  
Petroleum Geologist  
Kansas License No. 418

### Simpson Sand 3304' (-1948)

This report was finalized on behalf of Chris Peters and Kitt Noah by Wesley Hansen



3300

3350







**TREATMENT REPORT**

Acid Stage No. \_\_\_\_\_

Date 4/10/2019 District GB F.O. No. C46867  
 Company Hartman Oil  
 Well Name & No. Wilkinson 1-32  
 Location \_\_\_\_\_ Field \_\_\_\_\_  
 County Butler State KS

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand  
 Bkdown \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_  
 Flush \_\_\_\_\_ Bbl./Gal. \_\_\_\_\_

Casing: Size 5.5" Type & Wt. New 15.5# Set at \_\_\_\_\_ ft.  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Formation: \_\_\_\_\_ Perf. \_\_\_\_\_ to \_\_\_\_\_  
 Liner: Size \_\_\_\_\_ Type & Wt. \_\_\_\_\_ Top at \_\_\_\_\_ ft. Bottom at \_\_\_\_\_ ft.  
 Cemented:  Yes  No Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Tubing: Size & Wt. \_\_\_\_\_ Swung at \_\_\_\_\_ ft.  
 Perforated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Open Hole Size 7 7/8" T.D. 3322' ft. P.B. to \_\_\_\_\_ ft.

Treated from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0  
 from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: \_\_\_\_\_ Bbl./Gal.

Pump Trucks. No. Used: Std. 365 Sp. \_\_\_\_\_ Twin \_\_\_\_\_  
 Auxiliary Equipment 360-367  
 Personnel Nathan-Greg-Clearance-Mike  
 Auxiliary Tools \_\_\_\_\_  
 Plugging or Sealing Materials: Type \_\_\_\_\_  
 \_\_\_\_\_ Gals. \_\_\_\_\_ lb.

Company Representative Cris, Corey, Kevin Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
1:00		5.5"		On Location. Rig laying down pipe and unloading casing.
4:20				Start casing in hole.
				Hole-3322' Centralizers-1,3,5,7,9,11,33
				Pipe-3315' Basket-33
				Baffle-3272'
				DV Tool-1890'
6:50				Tag bottom and pick up. Break circulation with mud pump. Circulate for 1 hour. Pump 15bbbls water, 600gal Mud Flush, and 10bbbls water.
				Mix 175sks 60/40poz 2%gel .75% C-37 .75% C-41p .25% C-12 10% Salt 5#/sk Gilsonite at 14.5#/gal Wash out pump and lines.
8:50				Displace with 77.8bbbls at 6.5bpm-500# Plug landed at 800# Released pressure. Float Held. Open DV Tool with 600# Circulate for 2 hours.
				Plug Rat Hole with 30sks.
				Mix 400sks 65/35poz 6%gel
				Displace with 44.9bbbls at 6.5bpm-650# Plug landed at 900#
11:30				Pressure up to 1250# DV Tool closed.
				Circulated cement to surface.
				Thank You!
				Nathan W.

Dwight D. Keen, Chair  
Shari Feist Albrecht, Commissioner  
Susan K. Duffy, Commissioner

Laura Kelly, Governor

September 06, 2019

Corey Stucky  
Hartman Oil Co., Inc.  
10500 E BERKELEY SQ PKWY STE 100  
WICHITA, KS 67206-6816

Re: ACO-1  
API 15-015-24121-00-00  
WILKONSON 1-32  
NE/4 Sec.32-24S-03E  
Butler County, Kansas

Dear Corey Stucky:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 04/03/2019 and the ACO-1 was received on September 06, 2019 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department