

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. 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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Customer	NEC OPERATNG-KANSAS LLC	Lease & Well #	INDIA 1	Date	1/6/2023
Service District	PRATT	County & State	STAFFORD KS	Legals S/T/R	3-24S-14W
Job Type	LONGSTING	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Ticket #

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
912	MATTAL	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
179/521	CLIFTON	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
182/532	TREVINO	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP030	H-Long	sack	275.00	\$7,875.00
CP065	H-Plug A	sack	50.00	\$700.00
CP120	Cello-flake	lb	58.00	\$101.50
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$375.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$350.00
FE130	5 1/2" Cement Basket	ea	3.00	\$900.00
FE135	5 1/2" Turbolizer	ea	6.00	\$750.00
FE185	5 1/2" Cement Scratchers Resciprocating Type	ea	20.00	\$1,554.00
CP170	Mud Flush	gal	500.00	\$500.00
AF055	Liquid KCL Substitute 2	gal	5.00	\$100.00
MO15	Light Equipment Mileage	mi	30.00	\$60.00
MO10	Heavy Equipment Mileage	mi	60.00	\$240.00
MO20	Ton Mileage	tm	381.00	\$571.50
CP060	Cement Blending & Mixing Service	sack	275.00	\$385.00
DO15	Depth Charge: 4001'-5000'	job	1.00	\$2,500.00
DO05	Cement Data Acquisition	job	1.00	\$250.00
DO50	Cement Plug Container	job	1.00	\$250.00
RO51	Service Supervisor	day	1.00	\$275.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$17,737.00
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Tax Rate:	
Unlikely	1 2 3 4 5 6 7 8 9 10	Sale Tax:	\$ -
	Extremely Likely	Total:	\$ 17,737.00

HSI Representative: *Mike Mattal*

**TERMS:** Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X \_\_\_\_\_ **CUSTOMER AUTHORIZATION SIGNATURE**



**WELL TREATMENT REPORT**

Customer:	NEC OPERATING-KANSAS LLC	Well:	INDIA 1	Ticket:	WP3800
City, State:	ST JOHN KS	County:	STAFFORD KS	Date:	1/6/2023
Field Rep:	CHUCK TONER	S-T-R:	3-24S-14W	Service:	LONGSTING

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	H-LONG	Blend:	H-PLUG A
Hole Depth:	4260 ft	Weight:	15.0 ppg	Weight:	13.8 ppg
Casing Size:	5 1/2 in	Water / Sx:	6.0 gal / sx	Water / Sx:	6.9 gal / sx
Casing Depth:	4260 ft	Yield:	1.42 ft <sup>3</sup> / sx	Yield:	1.43 ft <sup>3</sup> / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	100.3 bbls	Total Slurry:	0.0 bbls	Total Slurry:	12.0 bbls
		Total Sacks:	225 sx	Total Sacks:	50 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
5:00 AM			-	-	ON LOCATION
5:45 AM				-	RUN 5 1/2 CAINISING 15.5# 42.60' SHOE JOINT TURBO ON SHOE JOIT, 1,3,5,7,9 BASKET ON SHOE, 1 & 11
				-	SCRATCHERS ON 3 THROUGH 12 2 PER JOINT 20 TOTAL
8:44 AM				-	CASING ON BOTTOM
9:00 AM				-	HOOK TO CASING, BREAK CIRC. WITH RIG
9:58 AM	4.5	220.0	12.0	12.0	PUMP 12 BBL MUD FLUSH
10:02 AM	4.5	220.0	10.0	22.0	PUMP 10 BBL 2% KCL WATER
10:03 AM	4.0	140.0	58.0	80.0	MIX 225 SKS H-LONG
10:23 AM	4.0	25.0	4.0	84.0	WASH PUMP AND LINE
10:26 AM	6.0	180.0		84.0	START 2% KCL DISPLACEMENT
10:34 AM	6.0	310.0	65.0	149.0	LIFT PRESSURE
10:38 AM	3.5	570.0	90.0	239.0	SLOW RATE
10:42 AM		1,520.0	100.3	339.3	PLUG DOWN
10:50 AM	2.0	25.0	7.0	346.3	MIX 30 SKS H-PLUG FOR RAT HOLE
10:55 AM	2.0	25.0	5.0	351.3	MIX 20 SKS H-PLUG FOR MOUSE HOLE
					RECIPRICATED DURING CEMENTING
				-	CIRCULATION THROUGH JOB
				-	
				-	
				-	
				-	
				-	
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL
				-	AUSTIN & JOSE

CREW		UNIT	SUMMARY		
Cementer:	MATTAL	912	Average Rate	Average Pressure	Total Fluid
Pump Operator:	CLIFTON	179/521	4.1 bpm	324 psi	351 bbls
Bulk #1:	TREVINO	182/532			
Bulk #2:					



## DRILL STEM TEST REPORT

Prepared For: **NEC Operating**  
2516 Gravel Drive  
Fort Worth TX 76118

ATTN: Patrick Deenihan

### **India #1**

### **3-24S-14W Stafford,KS**

Start Date: 2023.01.04 @ 23:15:36

End Date: 2023.01.05 @ 07:17:15

Job Ticket #: 69330                      DST #: 1

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

Printed: 2023.01.10 @ 09:38:26



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

Job Ticket: 69330

**DST#: 1**

ATTN: Patrick Deenihan

Test Start: 2023.01.04 @ 23:15:36

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:06:06

Time Test Ended: 07:17:15

Test Type: Conventional Straddle (Initial)

Tester: Eric Burgess

Unit No: 80

**Interval: 3750.00 ft (KB) To 3820.00 ft (KB) (TVD)**

Reference Elevations: 1959.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

1951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8369 Outside**

Press@RunDepth: 71.77 psig @ 3754.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.04

End Date:

2023.01.05

Last Calib.:

2023.01.04

Start Time: 23:15:37

End Time:

07:17:16

Time On Btm:

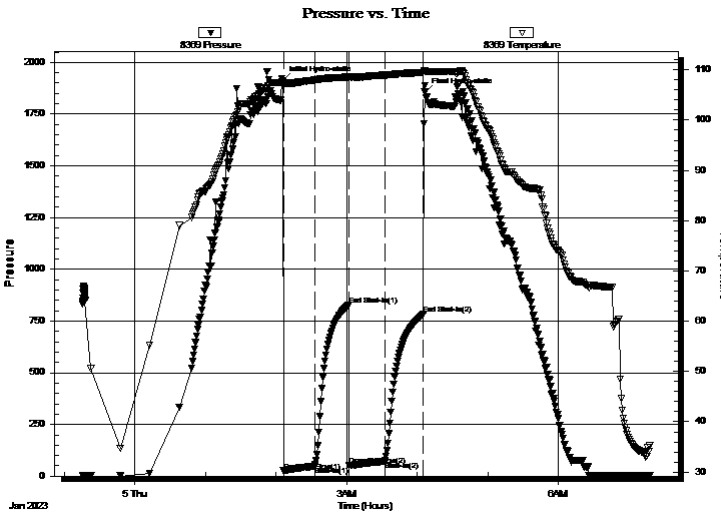
2023.01.05 @ 02:05:36

Time Off Btm:

2023.01.05 @ 04:06:16

**TEST COMMENT:** IF:Weak Building Blow built 1.82" (30)  
IS:No Blow Back. (30)  
FF:Weak Building Blow built .96" (30)  
FS:No Blow Back. (30)

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1909.80	107.68	Initial Hydro-static
1	24.95	107.24	Open To Flow (1)
27	47.93	107.97	Shut-In(1)
56	826.27	108.55	End Shut-In(1)
57	51.51	108.37	Open To Flow (2)
87	71.77	108.96	Shut-In(2)
120	783.50	109.48	End Shut-In(2)
121	1855.51	109.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	OSM 100%M	0.59

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

ATTN: Patrick Deenihan

Job Ticket: 69330

**DST#: 1**

Test Start: 2023.01.04 @ 23:15:36

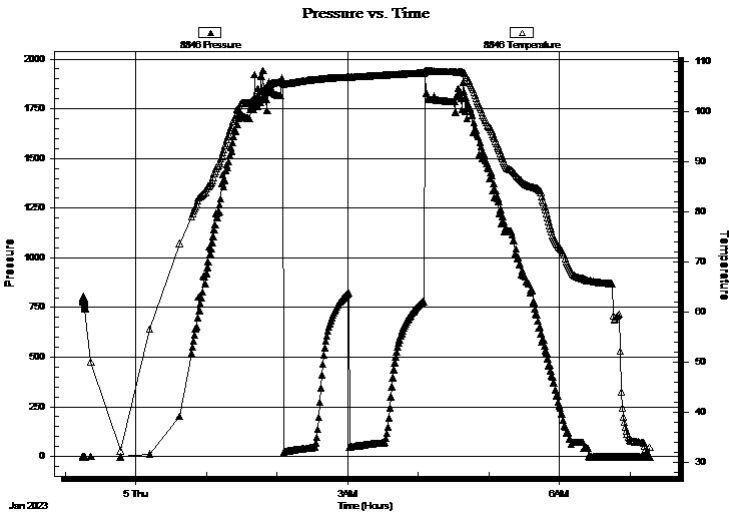
**GENERAL INFORMATION:**

Formation: <b>Lansing</b>			Test Type: Conventional Straddle (Initial)
Deviated: No Whipstock:	ft (KB)		Tester: Eric Burgess
Time Tool Opened: 02:06:06			Unit No: 80
Time Test Ended: 07:17:15			
<b>Interval: 3750.00 ft (KB) To 3820.00 ft (KB) (TVD)</b>		Reference Elevations:	1959.00 ft (KB)
Total Depth: 4260.00 ft (KB) (TVD)			1951.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair		KB to GR/CF:	8.00 ft

<b>Serial #: 8846</b>	<b>Inside</b>			Capacity:	8000.00 psig
Press@RunDepth:	psig @	3754.00 ft (KB)		Last Calib.:	1899.12.30
Start Date:	2023.01.04	End Date:	2023.01.05	Time On Btm:	
Start Time:	23:15:02	End Time:	07:16:51	Time Off Btm:	

**TEST COMMENT:** IF:Weak Building Blow built 1.82" (30)  
IS:No Blow Back. (30)  
FF:Weak Building Blow built .96" (30)  
FS:No Blow Back. (30)

**PRESSURE SUMMARY**



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

**Recovery**

Length (ft)	Description	Volume (bbl)
120.00	OSM 100%M	0.59

**Gas Rates**

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

Job Ticket: 69330

**DST#: 1**

ATTN: Patrick Deenihan

Test Start: 2023.01.04 @ 23:15:36

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:06:06

Time Test Ended: 07:17:15

Test Type: Conventional Straddle (Initial)

Tester: Eric Burgess

Unit No: 80

**Interval: 3750.00 ft (KB) To 3820.00 ft (KB) (TVD)**

Reference Elevations: 1959.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

1951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8679

Press@RunDepth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.04

End Date:

2023.01.05

Last Calib.:

2023.01.05

Start Time: 23:15:06

End Time:

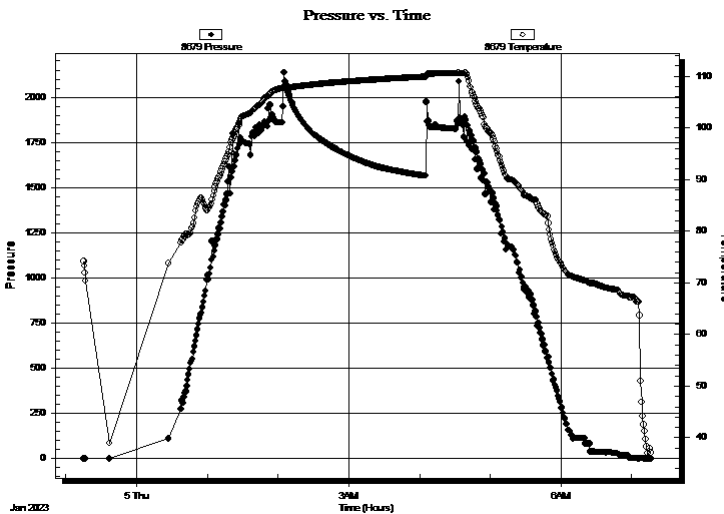
07:16:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Weak Building Blow built 1.82" (30)  
IS:No Blow Back. (30)  
FF:Weak Building Blow built .96" (30)  
FS:No Blow Back. (30)

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	OSM 100%M	0.59

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

Job Ticket: 69330

**DST#: 1**

ATTN: Patrick Deenihan

Test Start: 2023.01.04 @ 23:15:36

## Tool Information

Drill Pipe:	Length: 3622.00 ft	Diameter: 3.88 inches	Volume: 52.97 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 24000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	3750.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	4252.00 ft			
Interval between Packers:	502.00 ft			
Tool Length:	533.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

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

Change Over Sub	1.00			3720.00	
Shut In Tool	5.00			3725.00	
Hydraulic tool	5.00			3730.00	
Em Tool	3.00			3733.00	
Jars	5.00			3738.00	
Safety Joint	3.00			3741.00	
Packer	4.00			3745.00	31.00 Bottom Of Top Packer
Packer	5.00			3750.00	
Stubb	1.00			3751.00	
Perforations	2.00			3753.00	
Change Over Sub	1.00			3754.00	
Recorder	0.00	8369	Outside	3754.00	
Recorder	0.00	8846	Inside	3754.00	
Blank Spacing	31.00			3785.00	
Change Over Sub	1.00			3786.00	
Perforations	30.00			3816.00	
Blank Off Sub	1.00			3817.00	
Packer - Shale	6.00			3823.00	
Perforations	13.00			3836.00	
Change Over Sub	1.00			3837.00	
Recorder	0.00			3837.00	
Blank Spacing	409.00			4246.00	
Change Over Sub	1.00			4247.00	
Perforations	3.00			4250.00	
Bullnose	2.00			4252.00	502.00 Bottom Packers & Anchor

**Total Tool Length: 533.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

Job Ticket: 69330

**DST#: 1**

ATTN: Patrick Deenihan

Test Start: 2023.01.04 @ 23:15:36

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OSM 100%M	0.590

Total Length: 120.00 ft      Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

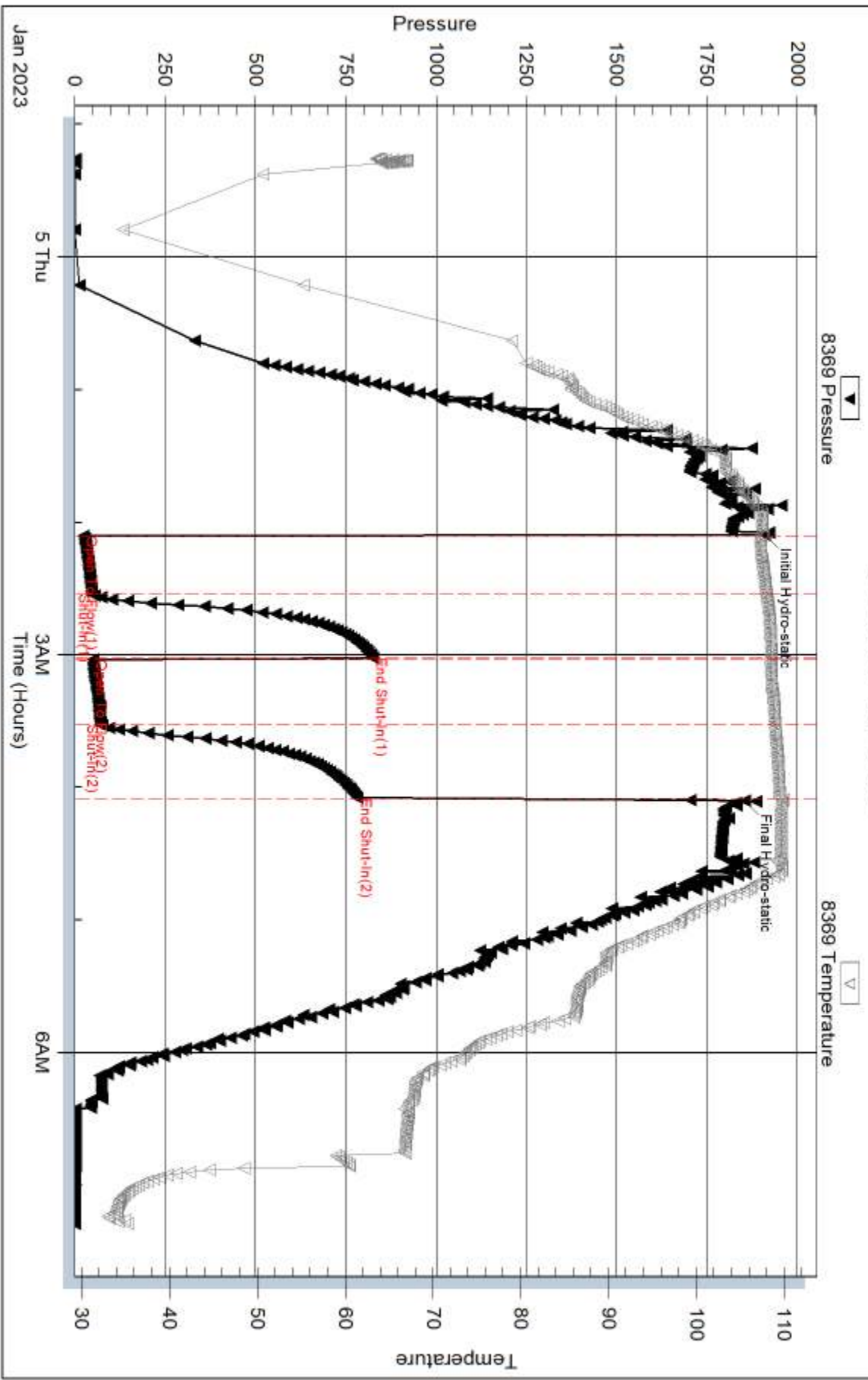
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



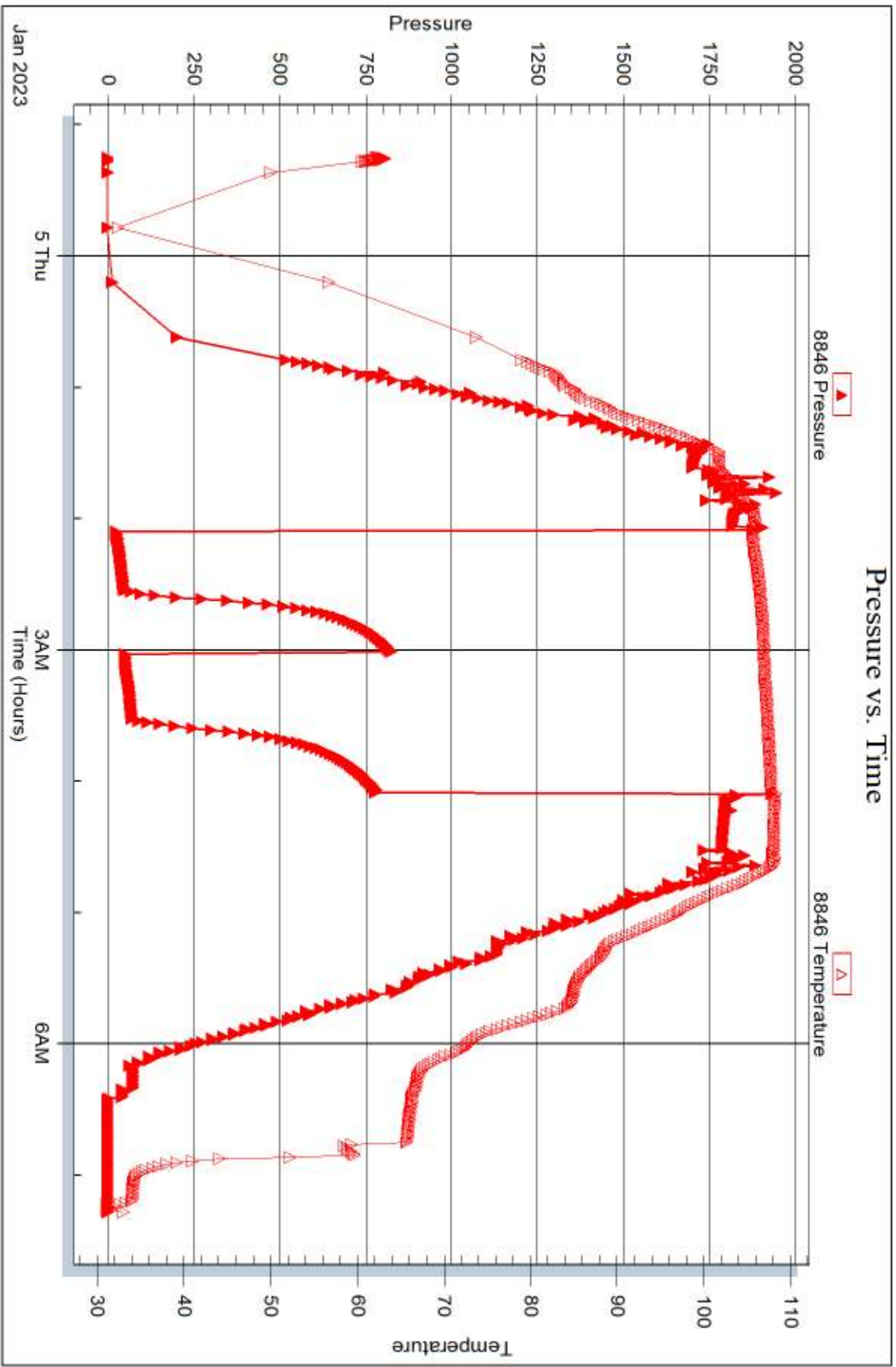
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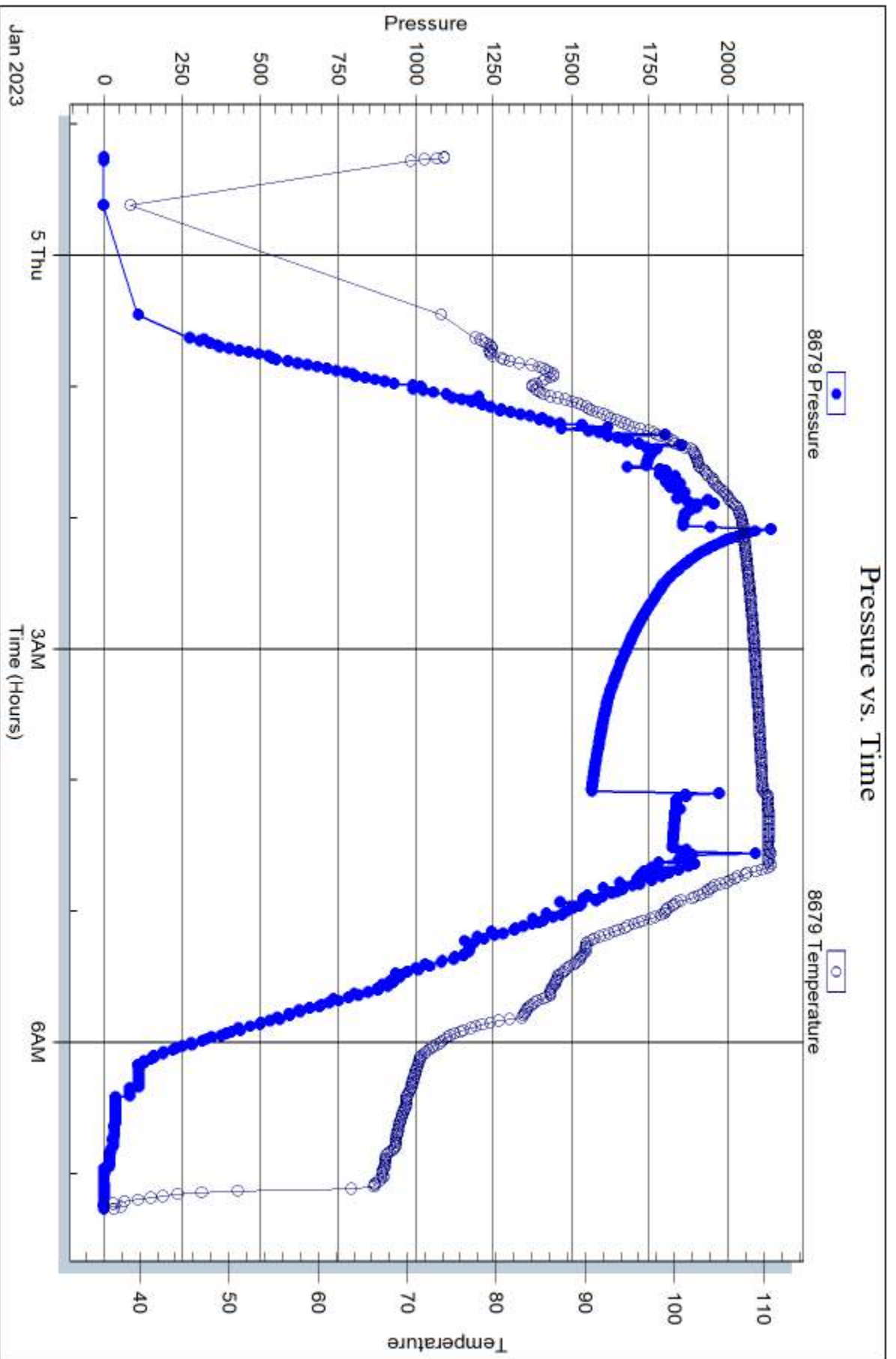
Inside

NEC Operating

India #1

DST Test Number: 1







## DRILL STEM TEST REPORT

Prepared For: **NEC Operating**

2516 Gravel Drive  
Fort Worth TX 76118

ATTN: Patrick Deenihan

**India #1**

**3-24S-14W Stafford,KS**

Start Date: 2023.01.05 @ 07:52:39

End Date: 2023.01.05 @ 16:54:49

Job Ticket #: 69331                      DST #: 2

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

Printed: 2023.01.10 @ 09:17:43



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

Job Ticket: 69331

**DST#: 2**

ATTN: Patrick Deenihan

Test Start: 2023.01.05 @ 07:52:39

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:23:29

Time Test Ended: 16:54:49

Test Type: Conventional Straddle (Reset)

Tester: Eric Burgess

Unit No: 80

**Interval: 3798.00 ft (KB) To 3808.00 ft (KB) (TVD)**

Reference Elevations: 1959.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

1951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8369 Outside**

Press@RunDepth: 31.68 psig @ 3799.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.05 End Date: 2023.01.05

Last Calib.: 2023.01.05

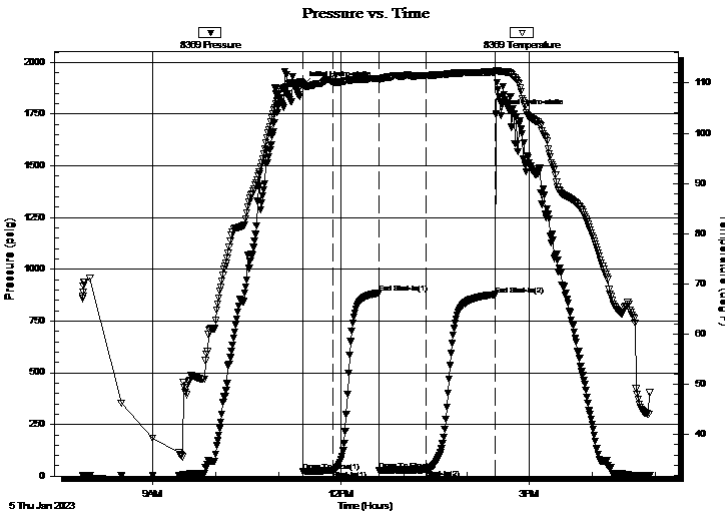
Start Time: 07:52:40 End Time: 16:54:49

Time On Btm: 2023.01.05 @ 11:22:49

Time Off Btm: 2023.01.05 @ 14:27:59

**TEST COMMENT:** IF:Weak Building Blow built .68" (30)  
IS:No Blow Back. (45)  
FF:Weak Building Blow built .24" (45)  
FS:No Blow Back. (60)

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.77	109.92	Initial Hydro-static
1	22.68	109.38	Open To Flow (1)
30	27.25	110.23	Shut-In(1)
74	886.10	110.91	End Shut-In(1)
74	28.90	110.57	Open To Flow (2)
119	31.68	111.49	Shut-In(2)
185	877.83	112.20	End Shut-In(2)
186	1750.34	112.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSM 100%M	0.15

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

Job Ticket: 69331

**DST#: 2**

ATTN: Patrick Deenihan

Test Start: 2023.01.05 @ 07:52:39

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:23:29

Time Test Ended: 16:54:49

Test Type: Conventional Straddle (Reset)

Tester: Eric Burgess

Unit No: 80

**Interval: 3798.00 ft (KB) To 3808.00 ft (KB) (TVD)**

Reference Elevations: 1959.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

1951.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: psig @ 3799.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.05

End Date:

2023.01.05

Last Calib.:

2023.01.05

Start Time: 07:52:21

End Time:

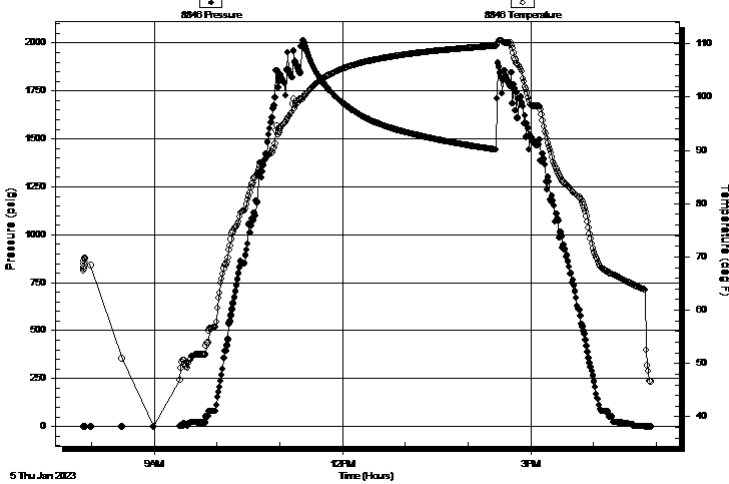
16:55:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Weak Building Blow built .68" (30)  
IS:No Blow Back. (45)  
FF:Weak Building Blow built .24" (45)  
FS:No Blow Back. (60)

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSM 100%M	0.15

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

Job Ticket: 69331

**DST#: 2**

ATTN: Patrick Deenihan

Test Start: 2023.01.05 @ 07:52:39

## Tool Information

Drill Pipe:	Length: 3672.00 ft	Diameter: 3.88 inches	Volume: 53.70 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 24000.00 lb
			<u>Total Volume: 54.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	3798.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	4260.00 ft			
Interval between Packers:	462.00 ft			
Tool Length:	493.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			3768.00	
Shut In Tool	5.00			3773.00	
Hydraulic tool	5.00			3778.00	
Em Tool	3.00			3781.00	
Jars	5.00			3786.00	
Safety Joint	3.00			3789.00	
Packer	4.00			3793.00	31.00 Bottom Of Top Packer
Packer	5.00			3798.00	
Stubb	1.00			3799.00	
Recorder	0.00	8369	Outside	3799.00	
Recorder	0.00	8846	Inside	3799.00	
Perforations	5.00			3804.00	
Blank Off Sub	1.00			3805.00	
Packer - Shale	6.00			3811.00	
Perforations	4.00			3815.00	
Change Over Sub	1.00			3816.00	
Recorder	0.00			3816.00	
Blank Spacing	441.00			4257.00	
Change Over Sub	1.00			4258.00	
Bullnose	2.00			4260.00	462.00 Bottom Packers & Anchor

**Total Tool Length: 493.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

NEC Operating

**3-24S-14W Stafford,KS**

2516 Gravel Drive  
Fort Worth TX 76118

**India #1**

Job Ticket: 69331

**DST#: 2**

ATTN: Patrick Deenihan

Test Start: 2023.01.05 @ 07:52:39

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OSM 100%M	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

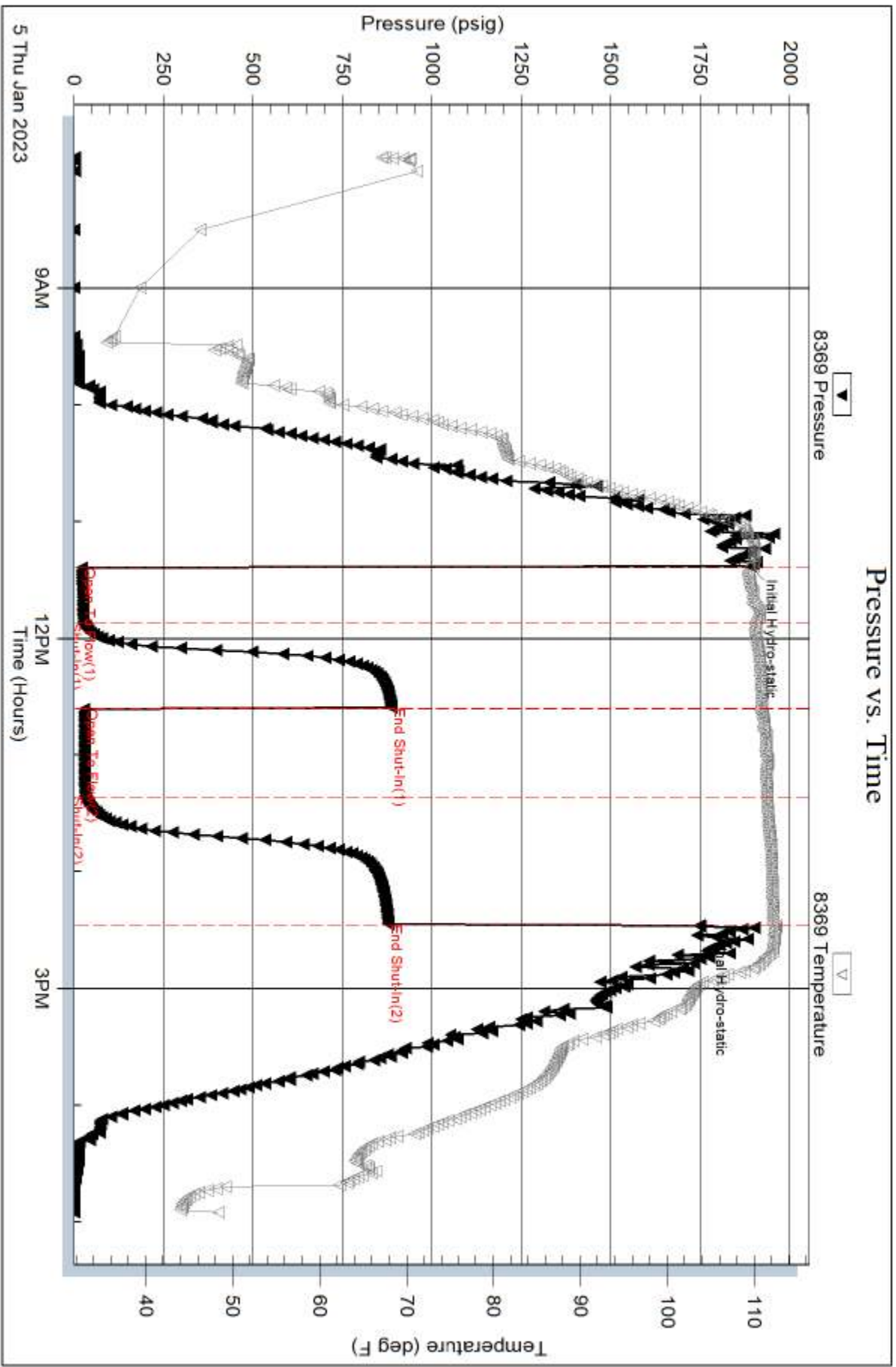
Num Gas Bombs: 0

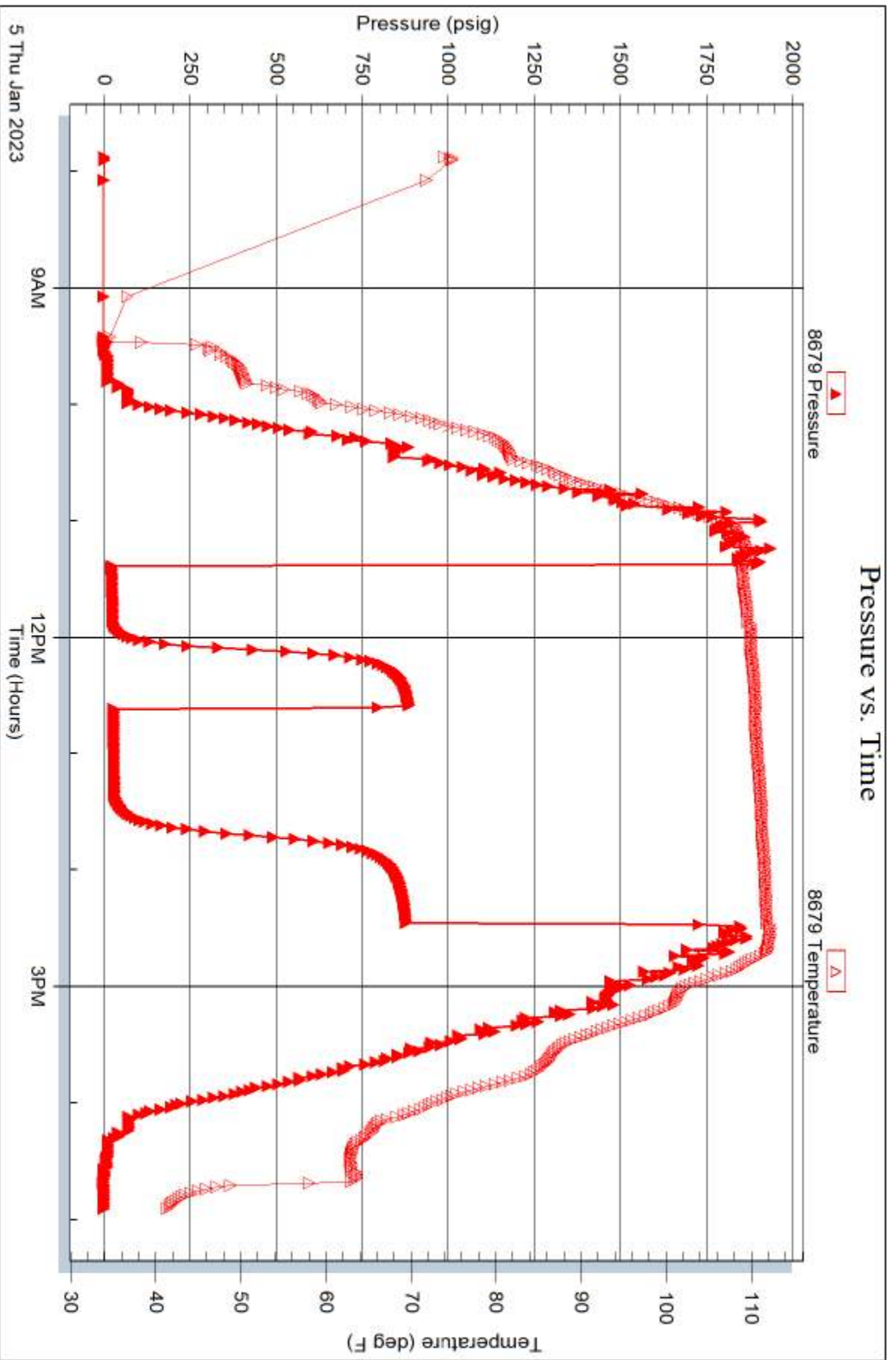
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





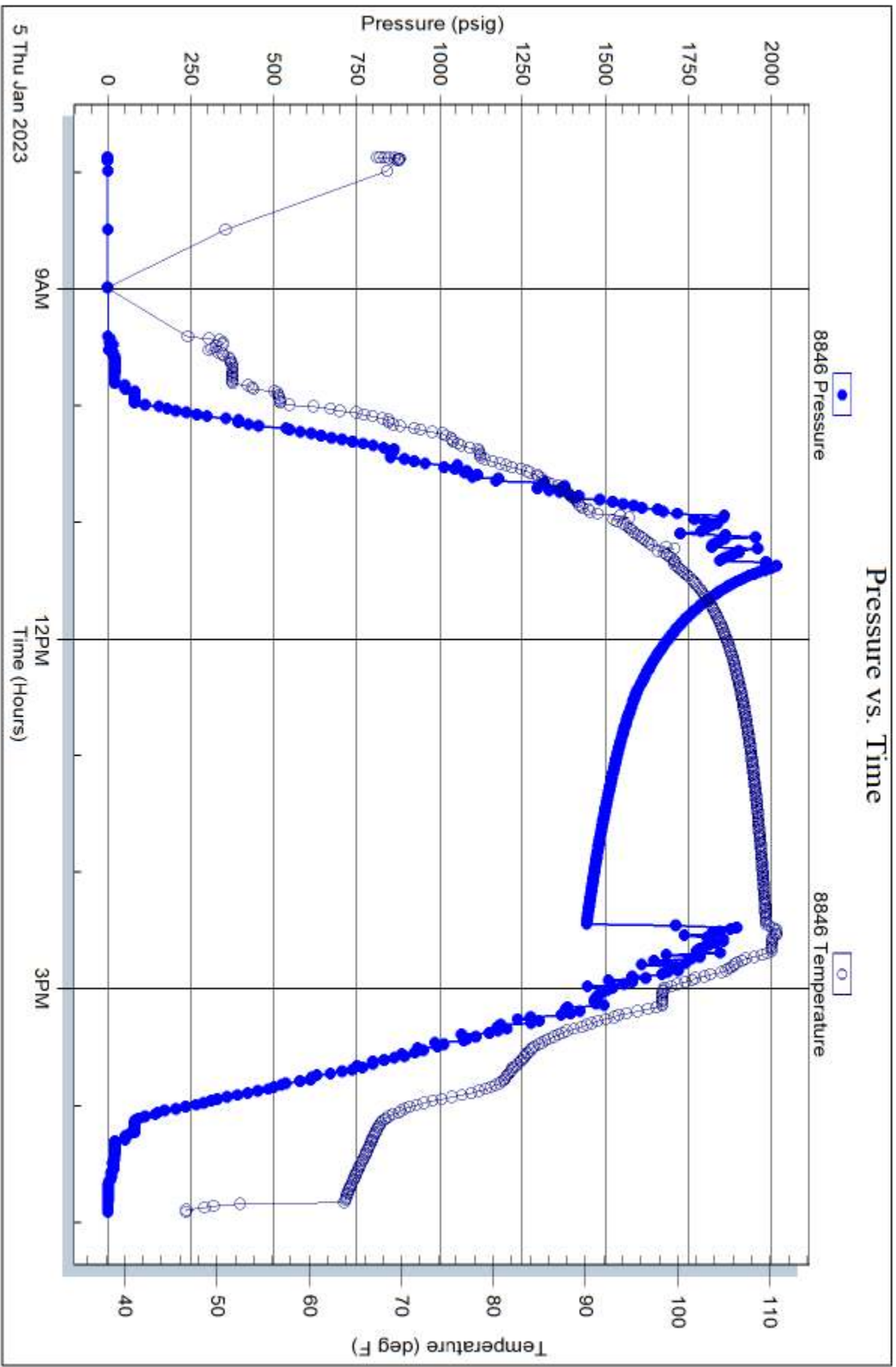
Serial #: 8846

Inside

NEC Operating

India #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 69331

Printed: 2023.01.10 @ 09:17:44



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 69330

Well Name & No. India #1 Test No. 1 Date 1/14/23  
 Company MEC Elevation 1759 KB 1951 GL  
 Address 2516 Grand Drive, Fort Worth, TX, 76118  
 Co. Rep / Geo. Patrick Deenihan Rig LOSS 25  
 Location: Sec. 3 Twp 24S Rge. 14W Co. Stefford State KS

Interval Tested 3750-3820 Zone Tested Lansing  
 Anchor Length 70' Drill Pipe Run 3622 Mud Wt. 9.3  
 Top Packer Depth 3742 Drill Collars Run 120 Vls 40  
 Bottom Packer Depth 3746 Wt. Pipe Run Ø WL 9.2  
 Total Depth 4260 Chlorides 6000 ppm System LCM 3  
 Blow Description IF: Work Building Blow built 1.32" (30)  
IS: Air Blow Back (30)  
FF: Work Building Blow built 1.96" (30)  
FS: Air Blow Back (30)

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>OSM</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 120 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1910  Test 1950 T-On Location 2145  
 (B) First Initial Flow 25  Jars 300 T-Started 2315  
 (C) First Final Flow 48  Safety Joint \_\_\_\_\_ T-Open 0204  
 (D) Initial Shut-In 826  Circ Sub \_\_\_\_\_ T-Pulled 0406  
 (E) Second Initial Flow 52  Hourly Standby \_\_\_\_\_ T-Out 0717  
 (F) Second Final Flow 72  Mileage 50rt 87.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 784  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1856  Straddle 800  EM Tool -350  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total -350  
 Accessibility \_\_\_\_\_ Total 2787.50  
 Sub Total 3137.50 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

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. 69331

Well Name & No. India #1 Test No. 2 Date 01/05/23  
 Company NEC Elevation 1959 KB 1951 GL  
 Address 2516 Gravel Drive Fort Worth, Tx 7418  
 Co. Rep / Geo. Pattick Deenman Rig Fossil 5  
 Location: Sec. 3 Twp 24S Rge. 14W Co. Stifford State Ks

Interval Tested 3798-3808 Zone Tested Lansing  
 Anchor Length 10' Drill Pipe Run 3672 Mud Wt. 9.3  
 Top Packer Depth 3770 Drill Collars Run 120 Vis 46  
 Bottom Packer Depth 3794 Wt. Pipe Run 0 WL 9.2  
 Total Depth 4260 Chlorides 6000 ppm System LCM 3

Blow Description IF: Weak Building Blow built .68" (130)  
IS: no blow back .(45)  
FF: Weak Building Blow built .21" (45)  
FS: no blow back .(60)

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>OSM</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 30 BHT 112 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1890  Test 1950 T-On Location 245 114  
 (B) First Initial Flow 23  Jars 300 T-Started 0752  
 (C) First Final Flow 27  Safety Joint \_\_\_\_\_ T-Open 1120  
 (D) Initial Shut-In 886  Circ Sub \_\_\_\_\_ T-Pulled 1420  
 (E) Second Initial Flow 29  Hourly Standby \_\_\_\_\_ T-Out 1654  
 (F) Second Final Flow 32  Mileage 50x2 Comments Stayed on location  
 (G) Final Shut-In 878  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1750  Straddle 800  EM Tool -350  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total -350  
 Accessibility \_\_\_\_\_ Total 2700  
 Sub Total 3050 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.



Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513

Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Susan K. Duffy, Chair  
Dwight D. Keen, Commissioner  
Andrew J. French, Commissioner

Laura Kelly, Governor

May 23, 2023

Grant Norwood  
NEC Operating - Kansas, LLC  
542 SILICON DR SUITE 100  
SOUTHLAKE, TX 76092-7509

Re: ACO-1  
API 15-185-24126-00-00  
INDIA 1  
SE/4 Sec.03-24S-14W  
Stafford County, Kansas

Dear Grant Norwood:

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 12/28/2022 and the ACO-1 was received on May 22, 2023 (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

# FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269  
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0822  
 LOCATION Victoria  
 FOREMAN Tom Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-29-22	35920	India #1	3	24	14	Stafford

CUSTOMER NEL Operating - Kansas LLC  
 MAILING ADDRESS 2516 Gravel Drive  
 CITY Fort Worth STATE TX ZIP CODE 76118

TRUCK #	DRIVER	TRUCK #	DRIVER
102	Tom W		
202	Chose M		

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 226' CASING SIZE & WEIGHT 5 5/8"  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Surface prep & set up on fossil circulate mud.  
mit 165sf surface wash Dispace with 13 1/2 Bbls & shut in at 9:45 am

got stuck with 3 joints up run. Hooked up hoses & tried circulating  
down. 2 1/2 hrs made 20' & stopped. Cut out surface pipe & tripped in with  
bit. Ran surface pipe back in & cemented. (1:30 am - 9 am)

Cement did circulate

Thanks Tom & Chose

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC002	L	PUMP CHARGE <u>Surface</u>	\$1150 <sup>00</sup>	\$1150 <sup>00</sup>
MD01	87	MILEAGE	\$6 <sup>50</sup>	\$516 <sup>50</sup>
MD02	8.09 tons	Van Mileage Delivery	\$1055 <sup>75</sup>	\$1055 <sup>75</sup>
CB004	165sf	Class A 3Pack 2Pack 1	\$24 <sup>50</sup>	\$4042 <sup>50</sup>
CP005	100lbs	salt	\$5 <sup>00</sup>	\$50 <sup>00</sup>
			sub total	\$6,813 <sup>75</sup>
			less 5% disc	\$343 <sup>18</sup>
			sub total	\$6,520 <sup>57</sup>
			SALES TAX	369.35
			ESTIMATED TOTAL	6889.92

AUTHORIZATION fr Bill TITLE DRIVER DATE 12/29/22

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

OPERATOR  
NEC Operating - Kansas,  
2516 GRAVEL DRIVE,  
Fort Worth, TX 76118-6974

Contact Geologist: Grant Nonwood  
Contact Phone Nbr: (817) 476-8323  
Well Name: India #1  
Location: Sec: 3-T24S-R14W  
API: 15-185-24126-00-00  
Fool: Oil  
State: Kansas

Field: Rattlesnake  
Country: USA

Scale 1:240 Imperial  
Well Name: India #1  
Surface Location: Sec: 3-T24S-R14W  
Bottom Location: 1100' FSL 1100' FEL  
API: 15-185-24126-00-00  
License Number: 35920  
Spud Date: 12/29/22  
Region: Stafford, County  
Drilling Completed: 01/04/23  
Surface Coordinates: 1100' FSL & 1100' FEL  
Time: 5:00 PM  
Bottom Hole Coordinates: 1951.00ft  
K.B. Elevation: 1959.00ft  
Time: 2:17 PM  
Logged Interval: 3300.00ft To: 0.00ft  
Total Depth: 4260.00ft  
Formation: Lansing/Kansas City  
Drilling Fluid Type: Chemical (MudCo)

**SURFACE CO-ORDINATES**

Well Type: Vertical  
Longitude:  
Latitude:  
N/S Co-ord: 1100' FSL  
E/W Co-ord: 1100' FEL

**LOGGED BY**

Company: DBA: Patrick J. Deenihan  
Address: 7409. Cedaridge Cir.  
Wichita, KS 67226  
Phone Nbr: (316)-619-5574  
Logged By: Geologist Name: Patrick J Deenihan

**CONTRACTOR**

Contractor: Fossil Drilling  
Rig #: 5  
Rig Type: mud rotary  
Spud Date: 12/29/22  
TD Date: 01/04/23  
Rig Release: 01/06/23  
Time: 5:00 PM  
Time: 2:17 PM  
Time: 2:00 PM

**ELEVATIONS**

K.B. Elevation: 1959.00ft  
K.B. to Ground: 8.00ft  
Ground Elevation: 1951.00ft

**NOTES**

Surface Casing: 8-5/8" at 223' India # 1  
Production Casing: 5-12" @ 4260' Sec: 3-T24S-R14W  
1100' FSL & 1100' FEL  
KB : 1959'  
Daily Penetration:  
12/28/22 SPUD @ 6:00 AM  
12/29/22 749'  
12/30/22 2740' Shut Down For New Year  
01/01/23 2740' Shut Down For New Year  
01/02/23 2740' \*\*\*\*\*  
01/03/23 3623' \*\*\*\*\*  
01/04/23 4160' \*\*\*\*\* Testing  
01/05/23 4260' \*\*\*\*\* Running Prod.Csg

**DRILL STEM TESTS**

DST #1 ( 3950' -3820') Lans: H-I-J  
30"-IF- WK Build to 1.82" 30"-ISI -No Return 30"-FF-Wk. Build to .96" 30"-FSI - No Return  
REC: REC: 120' (Total Fluid) 120' OF OSM (100% Mud)  
IHP: 1910# FHP: 1856# FIF: 25/48# SIF: 52/72# ISIP: 826# FSIP: 784#  
CHL: 7,000 Gravity: N/A BHT: 109 Deg.

DST #2 ( 3798' - 3808') Lans: J  
30"-IF- WK Build to .68" 45"-ISI-No Return 45"-FF-No Wk to .24" 60"-FSI- No Return  
REC: REC: 30' (Total Fluid) ( 30' OSM 100% mud ) :  
IHP: 1890# FHP: 1750# FIF: 23/27# SIF: 29/32# ISIP: 886# FSIP: 878#  
CHL: 7,000 Gravity: N/A BHT: 112 Deg.

**ROCK TYPES**

Antly vert Coal Lmslt lw?> Carbon Sh Siltst  
Chl vari Chrtcongl shale, gry shale, red  
Dolsec shale, gry Ss

**OTHER SYMBOLS**

Oil Show Good Show Fair Show Poor Show Spotted or Trace Questionable Strn Dead Oil Strn Fluorescence Gas  
DST DST Int DST alt Core DST tall pipe

