

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) (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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Form	ACO1 - Well Completion
Operator	Prospect Oil & Gas Corp
Well Name	REIN 1
Doc ID	1620907

All Electric Logs Run

CNL
CDL
DIL
MEL

Form	ACO1 - Well Completion
Operator	Prospect Oil & Gas Corp
Well Name	REIN 1
Doc ID	1620907

Tops

Name	Top	Datum
Anhydrite	1148	+847
Topeka	3014	-1019
Heebner	3246	-1251
Toronto	3264	-1269
Lansing	3297	-1302
Conlomerate	3548	-1553
Arbuckle	3508	-1573
RTD	3650	-1655
ELTD	3652	-1657







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prospect Oil & Gas Corp.

19\_15\_17 Ellis, KS

PO BOX 837  
Russell, KS 67665

Rein #1

Job Ticket: 68290

DST#: 1

ATTN: Brad Hutchison

Test Start: 2021.09.19 @ 02:51:00

### GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:17:45

Time Test Ended: 10:08:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 3304.00 ft (KB) To 3360.00 ft (KB) (TVD)

Total Depth: 3360.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1994.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6625

Inside

Press@RunDepth: 88.92 psig @ 3305.00 ft (KB)

Start Date: 2021.09.19

End Date:

2021.09.19

Start Time: 02:51:05

End Time:

10:07:59

Capacity: 8000.00 psig

Last Calib.: 2021.09.19

Time On Btm: 2021.09.19 @ 05:17:00

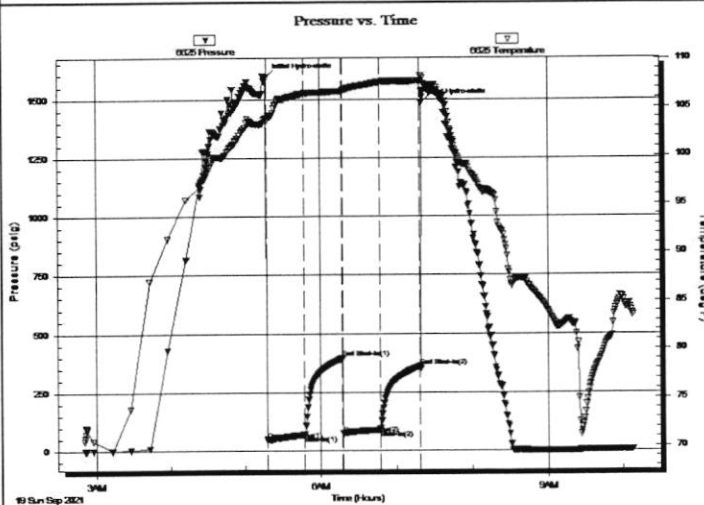
Time Off Btm: 2021.09.19 @ 07:19:45

TEST COMMENT: IF- BOB in 5 1/2 min, Built to 36 3/4"

SI1- No return

FF- BOB in 14 min, built to 23"

SI2- no return



### PRESSURE SUMMARY

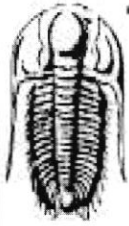
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1593.83	103.85	Initial Hydro-static
1	46.14	103.54	Open To Flow (1)
30	68.33	106.41	Shut-In(1)
60	393.22	106.61	End Shut-In(1)
61	73.19	106.62	Open To Flow (2)
90	88.92	107.57	Shut-In(2)
122	358.78	107.68	End Shut-In(2)
123	1483.48	108.21	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
63.00	WM 50 water 50 mud	0.61
108.00	OCM 98 mud 2 oil	1.51
1.00	oil	0.01
0.00	78' GIP	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp.

19\_15\_17 Ellis, KS

PO BOX 837  
Russell, KS 67665

Rein #1

Job Ticket: 68290

DST#: 1

ATTN: Brad Hutchison

Test Start: 2021.09.19 @ 02:51:00

## GENERAL INFORMATION:

Formation: LKC  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 05:17:45  
Time Test Ended: 10:08:00

Test Type: Conventional Bottom Hole (Initial)  
Tester: Dustin Day  
Unit No: 70

Interval: 3304.00 ft (KB) To 3360.00 ft (KB) (TVD)  
Total Depth: 3360.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good

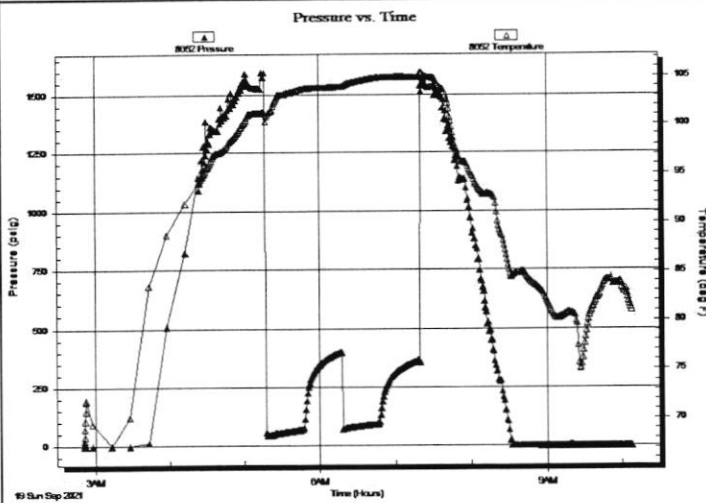
Reference Elevations: 1994.00 ft (KB)  
1987.00 ft (CF)  
KB to GR/CF: 7.00 ft

Serial #: 8652 Outside

Press@RunDepth: psig @ 3305.00 ft (KB)  
Start Date: 2021.09.19 End Date: 2021.09.19  
Start Time: 02:51:05 End Time: 10:07:59

Capacity: 8000.00 psig  
Last Calib.: 2021.09.19  
Time On Btm:  
Time Off Btm:

TEST COMMENT: IF- BOB in 5 1/2 min, Built to 36 3/4"  
SI1- No return  
FF- BOB in 14 min, built to 23"  
SI2- no return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	WM 50 water 50 mud	0.61
108.00	OCM 98 mud 2 oil	1.51
1.00	oil	0.01
0.00	78' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas Corp.

**19\_15\_17 Ellis, KS**

PO BOX 837  
Russell, KS 67665

**Rein #1**

Job Ticket: 68290

**DST#: 1**

ATTN: Brad Hutchison

Test Start: 2021.09.19 @ 02:51:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 40.00 sec/qt  
Water Loss: 6.00 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 8600.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 7500 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	WM 50 w ater 50 mud	0.610
108.00	OCM 98 mud 2 oil	1.515
1.00	oil	0.014
0.00	78' GIP	0.000

Total Length: 172.00 ft      Total Volume: 2.139 bbl

Num Fluid Samples: 0

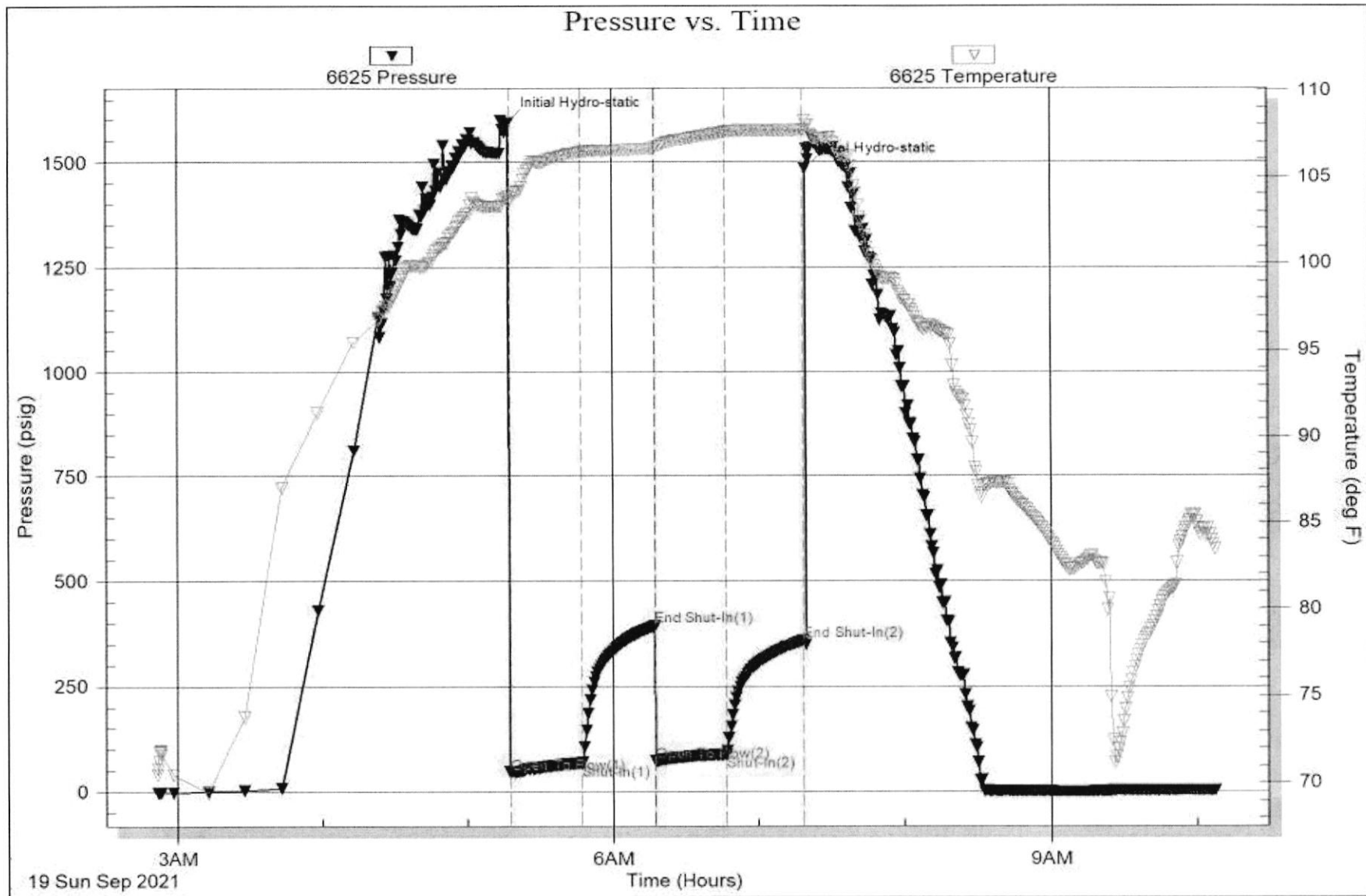
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

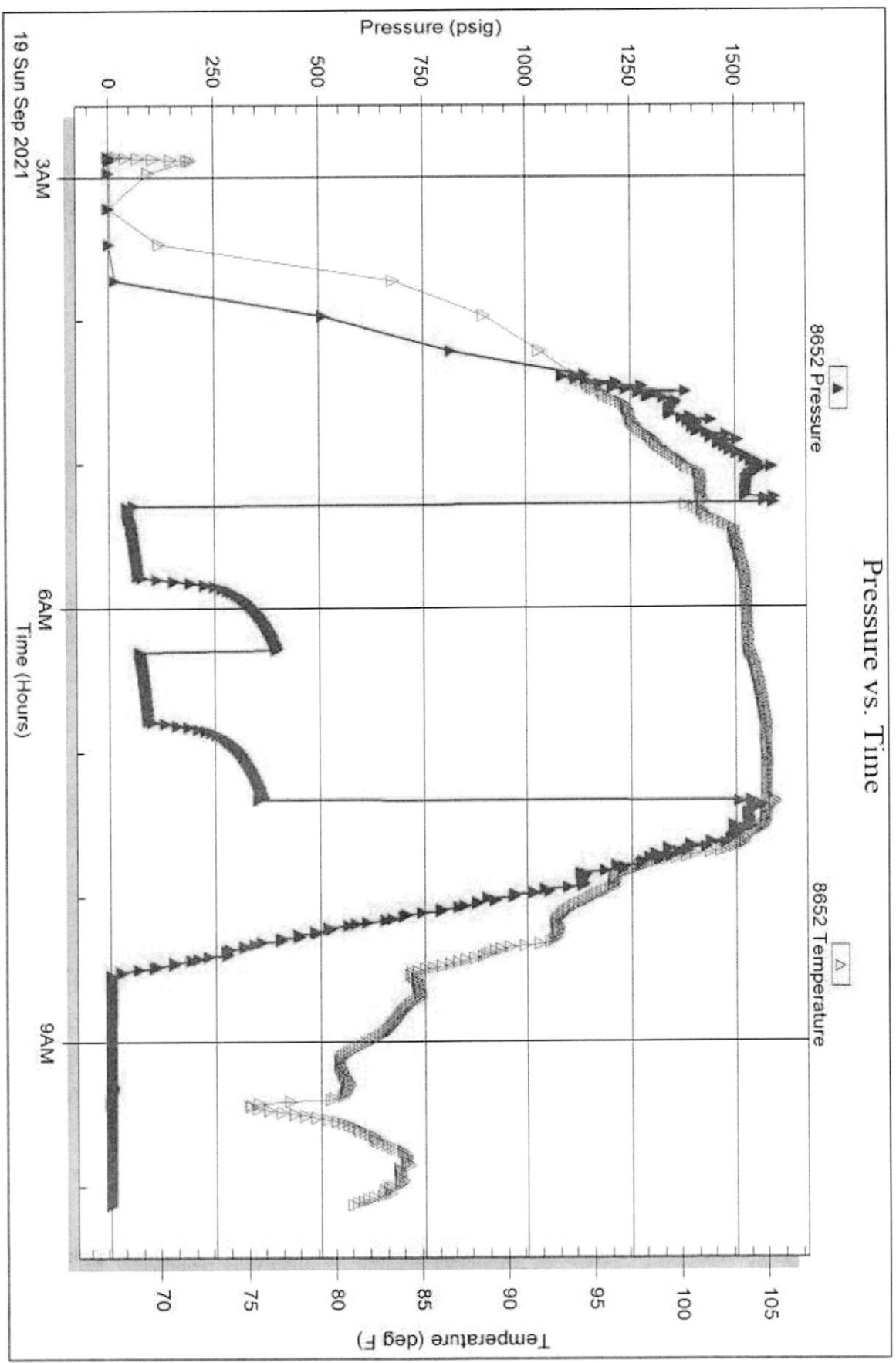


Serial #: 8652

Outside Prospect Oil & Gas Corp.

Run #1

DST Test Number: 1

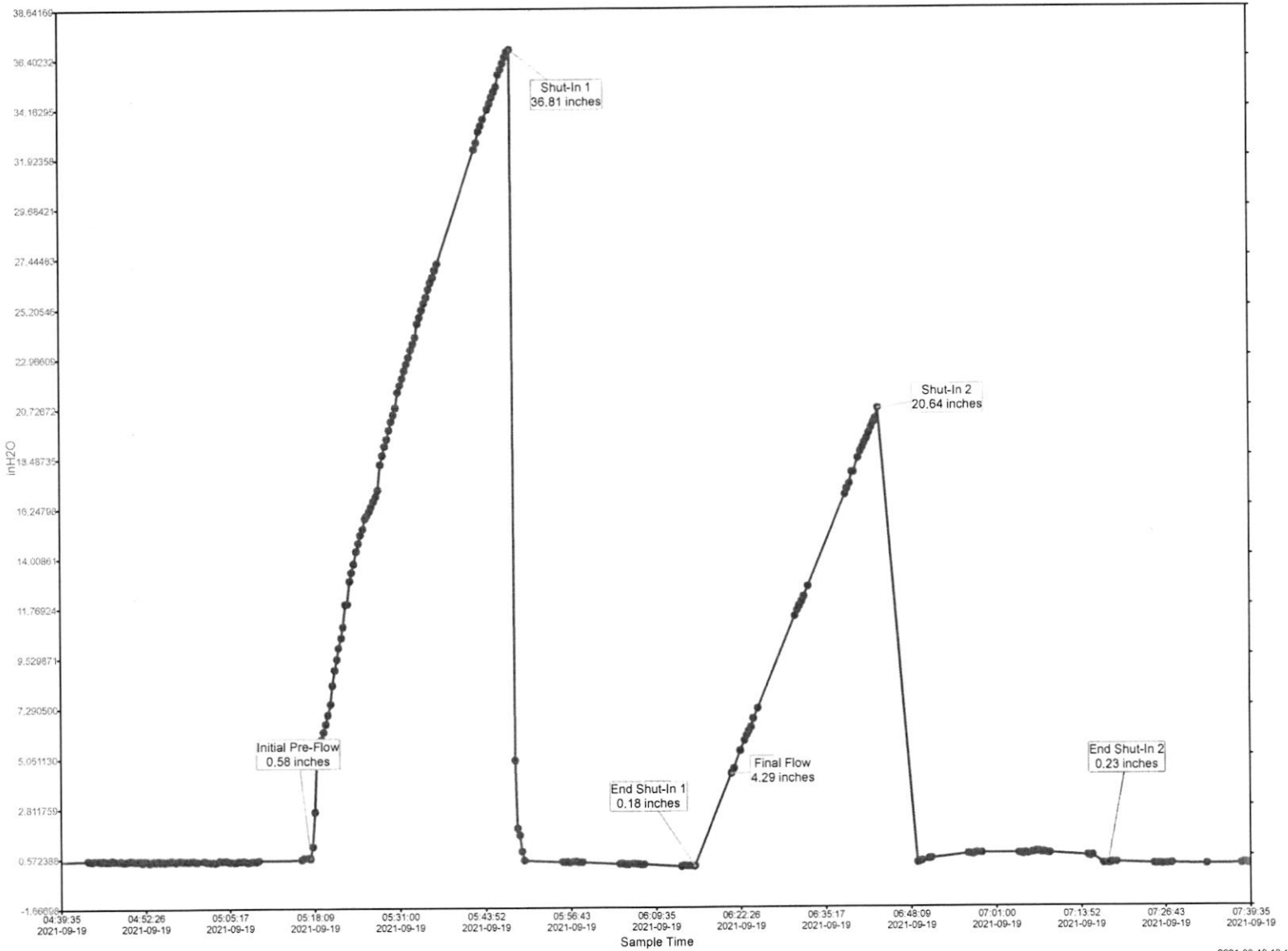


Triobite Testing, Inc

Ref. No: 69290

Printed: 2021.09.19 @ 13:17:07

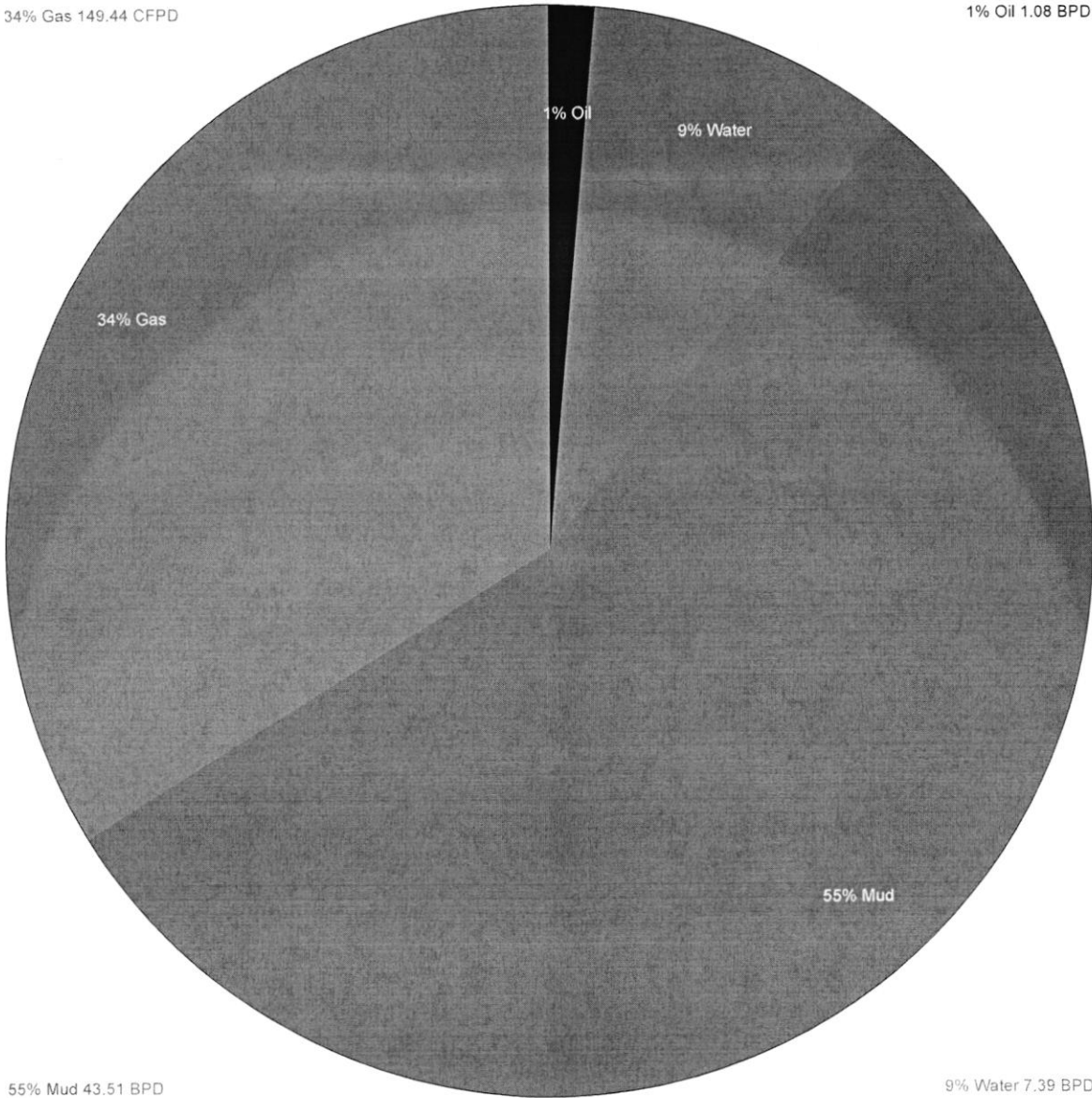
### Prospect Oil & Gas - Rein #1 - DST #1



Calculated Recovery Analysis - Prospect Oil & Gas - Rein #1 - DST #1

34% Gas 149.44 CFPD

1% Oil 1.08 BPD



1% Oil

9% Water

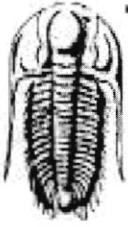
34% Gas

55% Mud

55% Mud 43.51 BPD

9% Water 7.39 BPD





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp.

19\_15\_17 Ellis, KS

PO BOX 837  
Russell, KS 67665

Rein #1

Job Ticket: 68291

DST#: 2

ATTN: Brad Hutchison

Test Start: 2021.09.20 @ 16:18:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:09:15

Time Test Ended: 23:01:00

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3574.00 ft (KB) To 3590.00 ft (KB) (TVD)**

Total Depth: 3652.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1994.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8652** Outside

Press@RunDepth: 37.79 psig @ 3575.00 ft (KB)

Start Date: 2021.09.20

End Date: 2021.09.20

Start Time: 16:18:05

End Time: 23:00:59

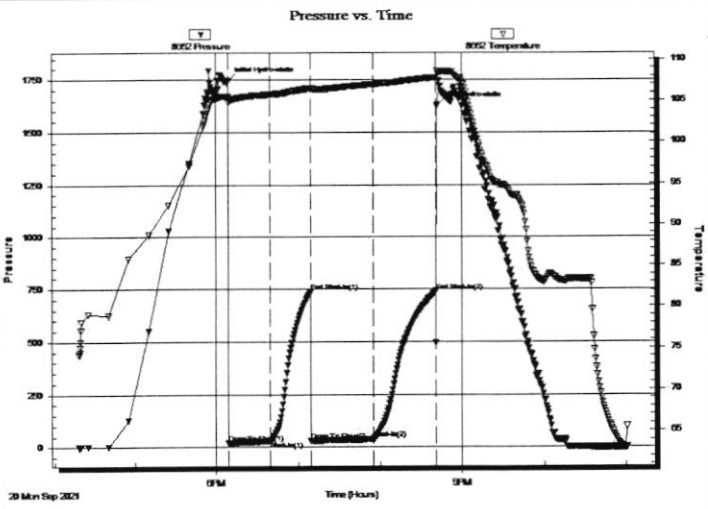
Capacity: 8000.00 psig

Last Calib.: 2021.09.20

Time On Btm: 2021.09.20 @ 18:09:00

Time Off Btm: 2021.09.20 @ 20:41:15

TEST COMMENT: IF- Built to 4"  
SI1- no return  
FF- Built to 3 3/4"  
SI2- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.01	105.45	Initial Hydro-static
1	18.47	104.72	Open To Flow (1)
31	29.44	105.71	Shut-In(1)
61	734.64	106.45	End Shut-In(1)
61	30.97	106.37	Open To Flow (2)
106	37.79	106.92	Shut-In(2)
152	738.34	107.77	End Shut-In(2)
153	1625.81	108.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCO 20 mud 80 oil	0.15
45.00	oil 100 oil	0.63

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Prospect Oil & Gas Corp.

**19\_15\_17 Ellis, KS**

PO BOX 837  
Russell, KS 67665

**Rein #1**

Job Ticket: 68291

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2021.09.20 @ 16:18:00

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:09:15

Time Test Ended: 23:01:00

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3574.00 ft (KB) To 3590.00 ft (KB) (TVD)**

Total Depth: 3652.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1994.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 7.00 ft

**Serial #: 8167 Below (Straddle)**

Press@RunDepth: psig @ 3616.00 ft (KB)

Start Date: 2021.09.20 End Date: 2021.09.20

Start Time: 16:18:05 End Time: 23:00:44

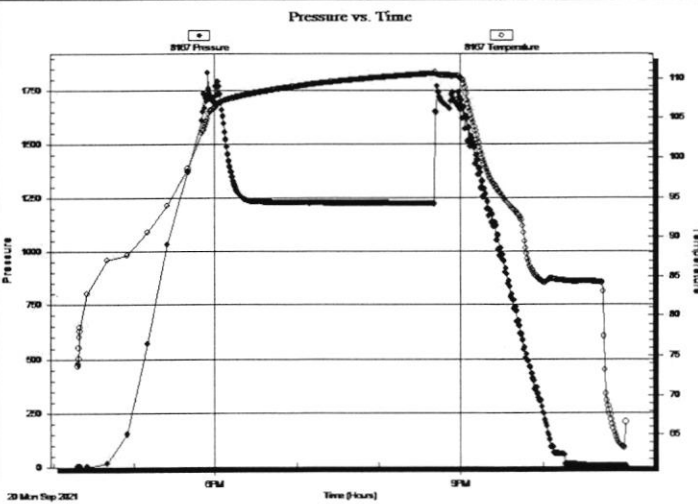
Capacity: 8000.00 psig

Last Calib.: 2021.09.20

Time On Btm:

Time Off Btm:

TEST COMMENT: IF- Built to 4"  
S1- no return  
FF- Built to 3 3/4"  
S2- No return



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCO 20 mud 80 oil	0.15
45.00	oil 100 oil	0.63

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas Corp.

**19\_15\_17 Ellis, KS**

PO BOX 837  
Russell, KS 67665

**Rein #1**

Job Ticket: 68291

**DST#: 2**

ATTN: Brad Hutchison

Test Start: 2021.09.20 @ 16:18:00

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MCO 20 mud 80 oil	0.148
45.00	oil 100 oil	0.631

Total Length: 75.00 ft

Total Volume: 0.779 bbl

Num Fluid Samples: 0

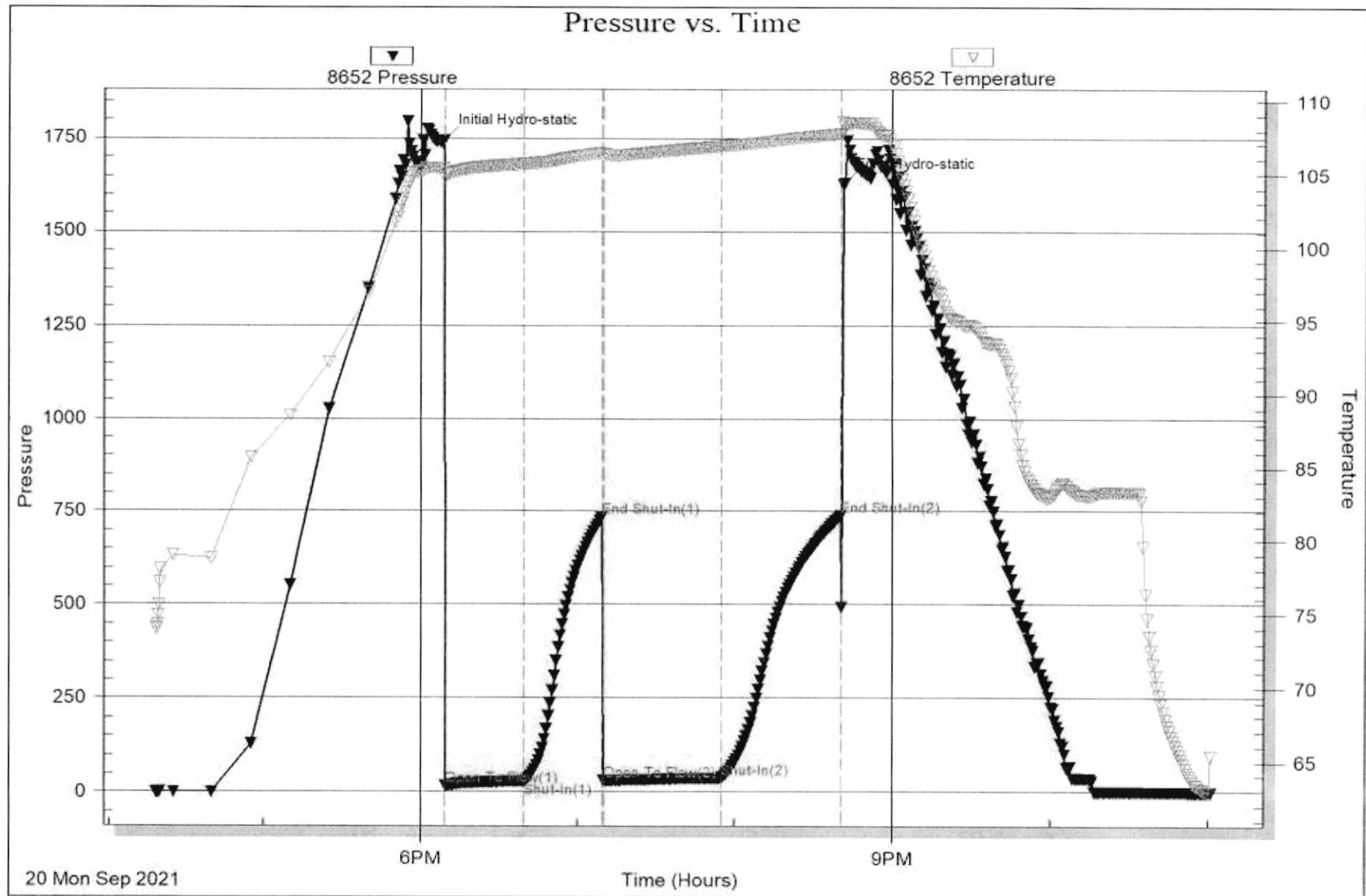
Num Gas Bombs: 0

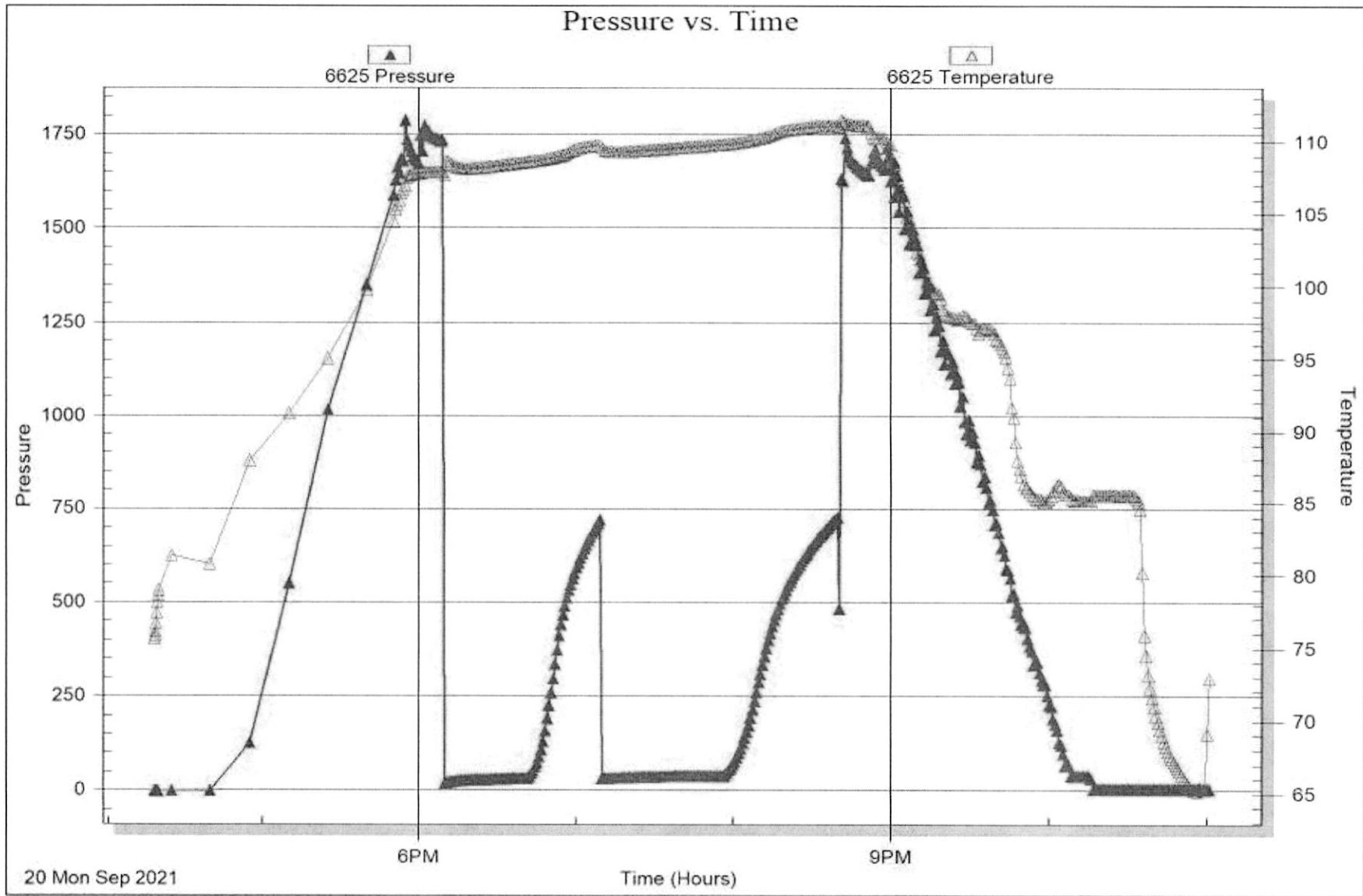
Serial #:

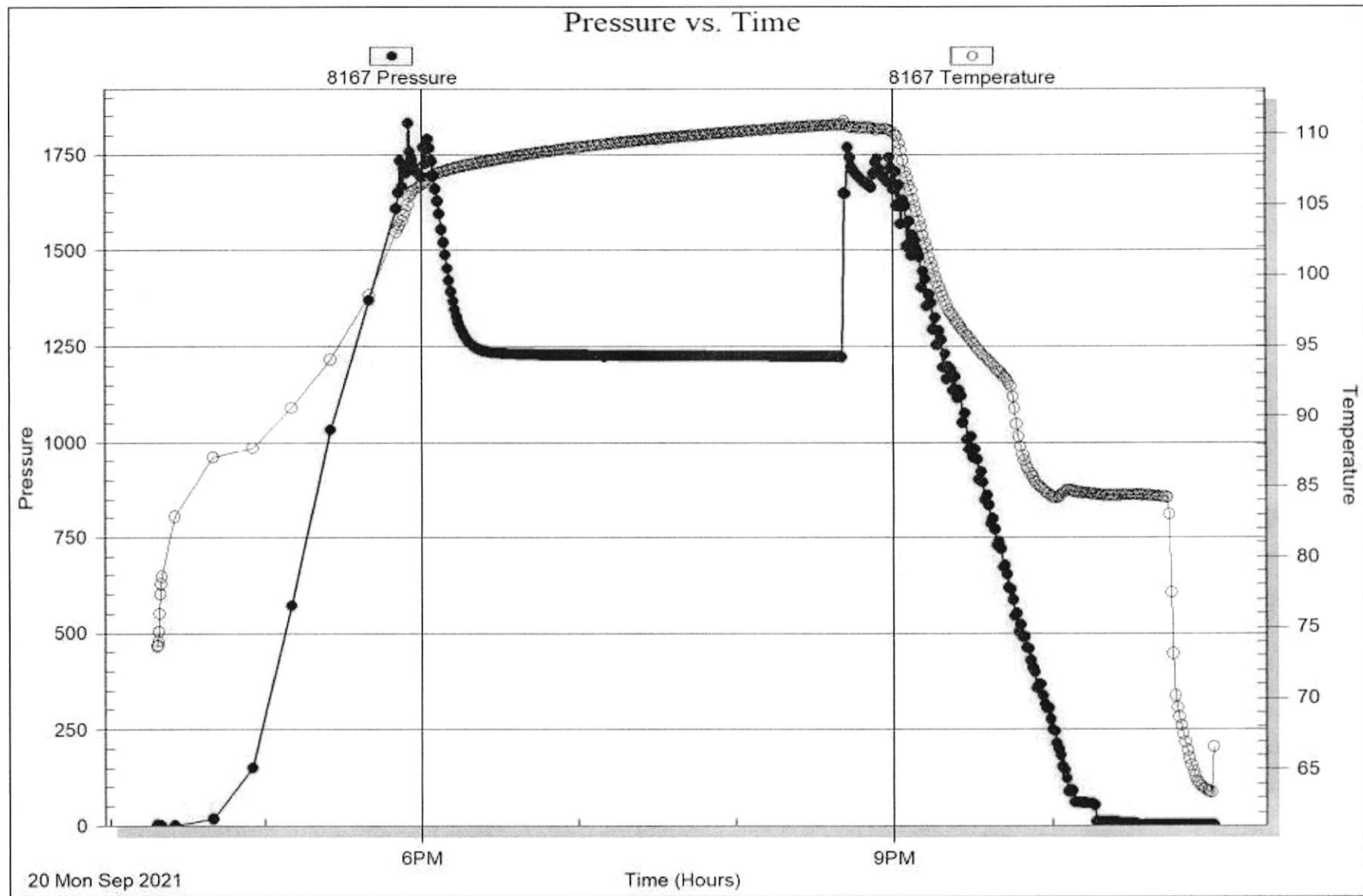
Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM









**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Prospect Oil & Gas Corp.

19\_15\_17 Ellis, KS

PO BOX 837  
Russell, KS 67665

Rein #1

Job Ticket: 68292

DST#: 3

ATTN: Brad Hutchison

Test Start: 2021.09.21 @ 00:01:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:41:30

Time Test Ended: 06:15:45

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 3574.00 ft (KB) To 3600.00 ft (KB) (TVD)

Reference Elevations: 1994.00 ft (KB)

Total Depth: 3652.00 ft (KB) (TVD)

1987.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 7.00 ft

Serial #: 6625 Inside

Press@RunDepth: 144.86 psig @ 3575.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.09.21

End Date:

2021.09.21

Last Calib.:

2021.09.21

Start Time: 00:01:05

End Time:

06:15:44

Time On Btm:

2021.09.21 @ 01:41:15

Time Off Btm:

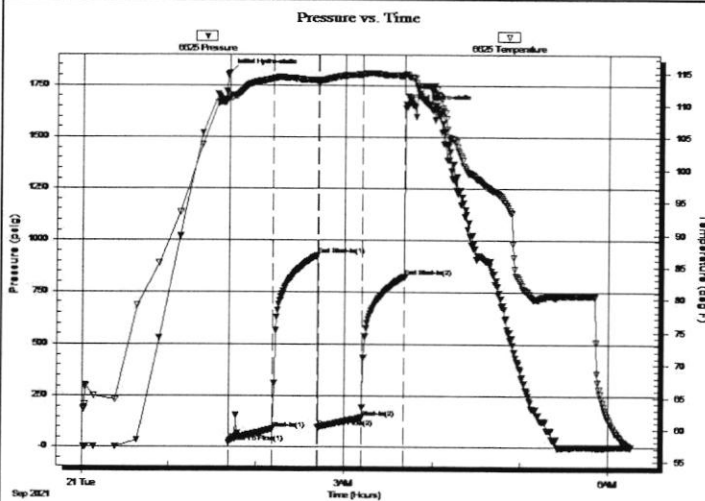
2021.09.21 @ 03:41:00

TEST COMMENT: IF- BOB in 18 min, built to 17 1/2"

SI1- No return

FF- BOB in 24 min, Built to 14 1/4"

SI2- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.18	111.20	Initial Hydro-static
1	21.26	110.95	Open To Flow (1)
30	88.57	114.07	Shut-In(1)
61	928.38	113.84	End Shut-In(1)
61	97.50	113.64	Open To Flow (2)
91	144.86	114.73	Shut-In(2)
120	825.11	114.54	End Shut-In(2)
120	1642.07	114.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
208.00	MCW 30 mud 70 w ater	2.64
79.00	MW 50 mud 50 w ater	1.11
10.00	oil 100 oil	0.14
0.00	81' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prospect Oil & Gas Corp.

19\_15\_17 Ellis, KS

PO BOX 837  
Russell, KS 67665

Rein #1

Job Ticket: 68292

DST#: 3

ATTN: Brad Hutchison

Test Start: 2021.09.21 @ 00:01:00

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:41:30

Time Test Ended: 06:15:45

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3574.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Reference Elevations: 1994.00 ft (KB)

Total Depth: 3652.00 ft (KB) (TVD)

1987.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 7.00 ft

**Serial #: 8167 Below (Straddle)**

Press@RunDepth: psig @ 3616.00 ft (KB)

Start Date: 2021.09.21

End Date:

2021.09.21

Capacity: 8000.00 psig

Last Calib.:

2021.09.21

Start Time: 00:01:05

End Time:

06:16:44

Time On Btm:

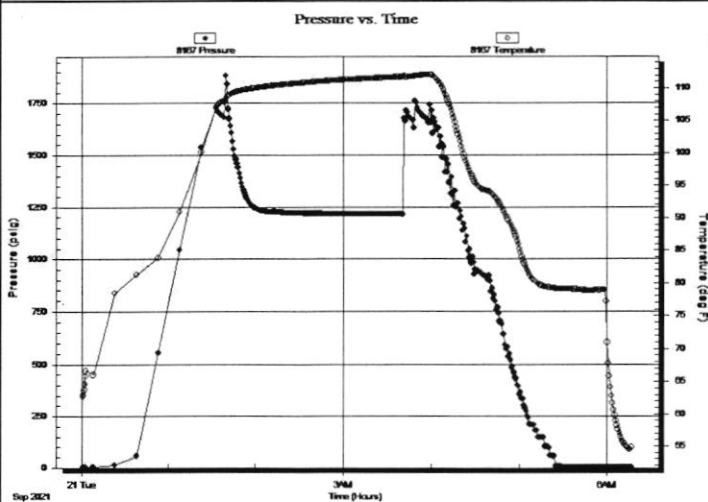
Time Off Btm:

TEST COMMENT: IF- BOB in 18 min, built to 17 1/2"

SI1- No return

FF- BOB in 24 min, Built to 14 1/4"

SI2- No return



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
208.00	MCW 30 mud 70 w ater	2.64
79.00	MWV 50 mud 50 w ater	1.11
10.00	oil 100 oil	0.14
0.00	81' GIP	0.00

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prospect Oil & Gas Corp.

19\_15\_17 Ellis, KS

PO BOX 837  
Russell, KS 67665

Rein #1

Job Ticket: 68292

DST#: 3

ATTN: Brad Hutchison

Test Start: 2021.09.21 @ 00:01:00

### 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:

8600 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
208.00	MCW 30 mud 70 w ater	2.644
79.00	MW 50 mud 50 w ater	1.108
10.00	oil 100 oil	0.140
0.00	81' GIP	0.000

Total Length: 297.00 ft

Total Volume: 3.892 bbl

Num Fluid Samples: 0

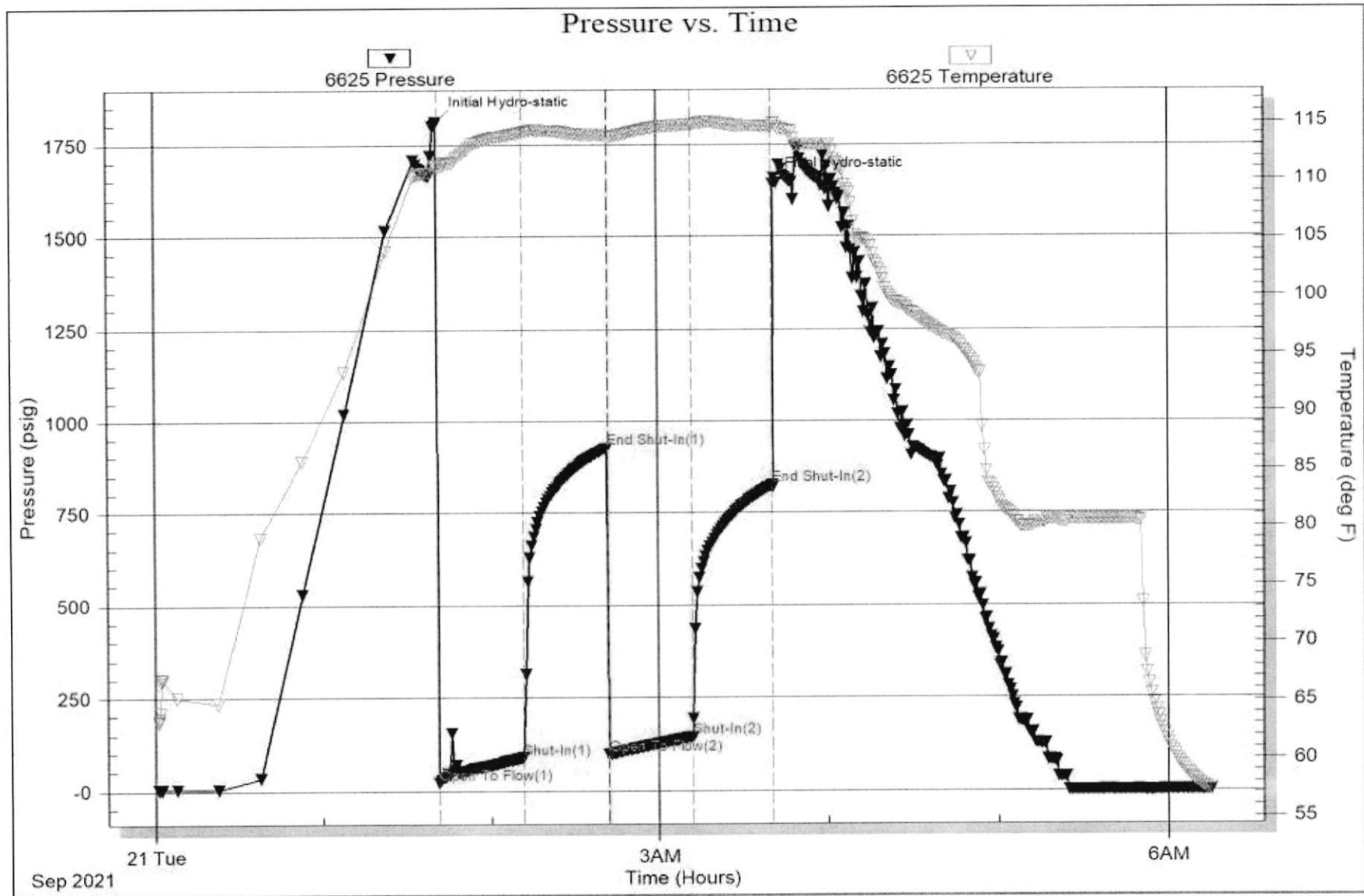
Num Gas Bombs: 0

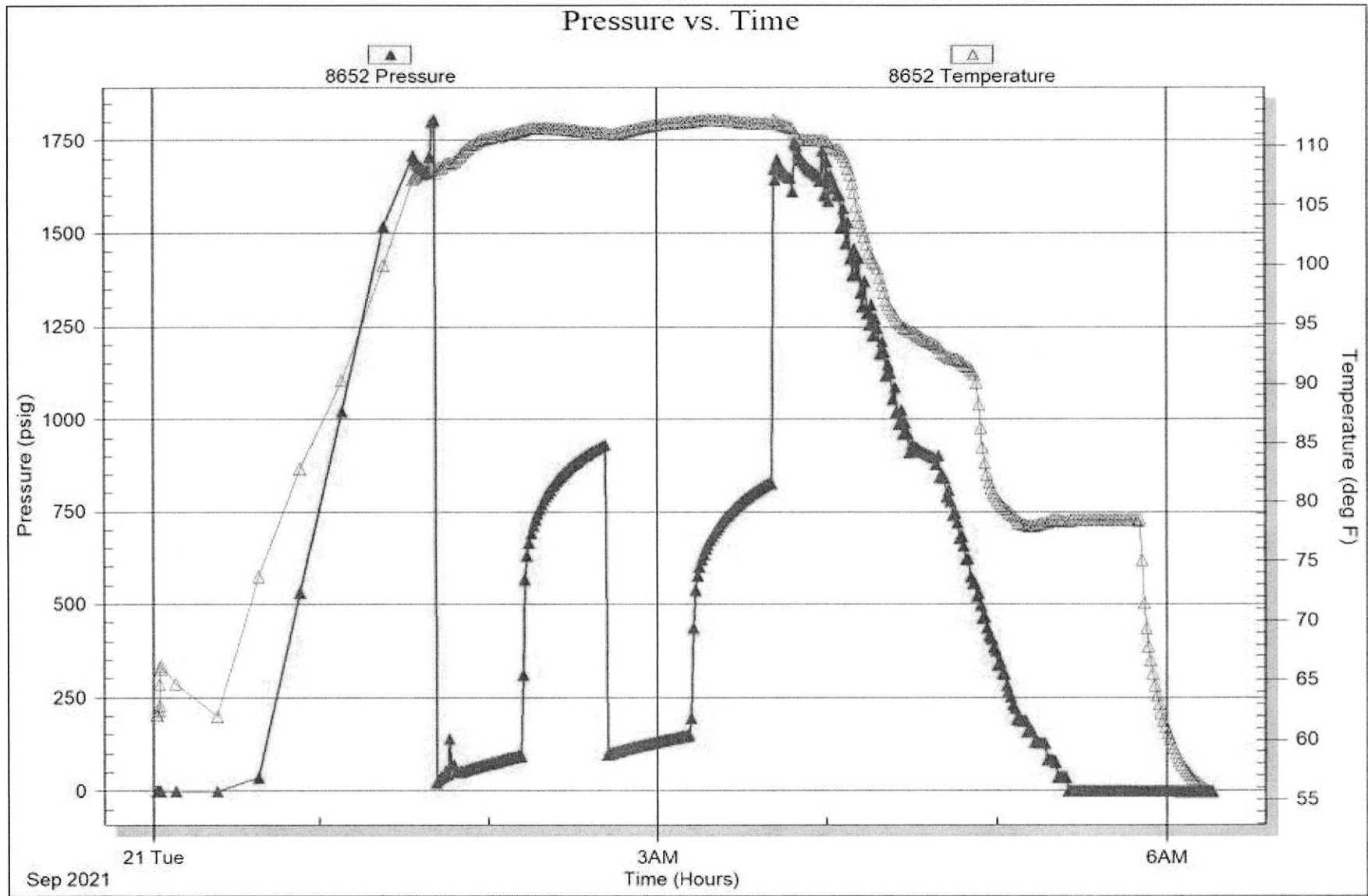
Serial #:

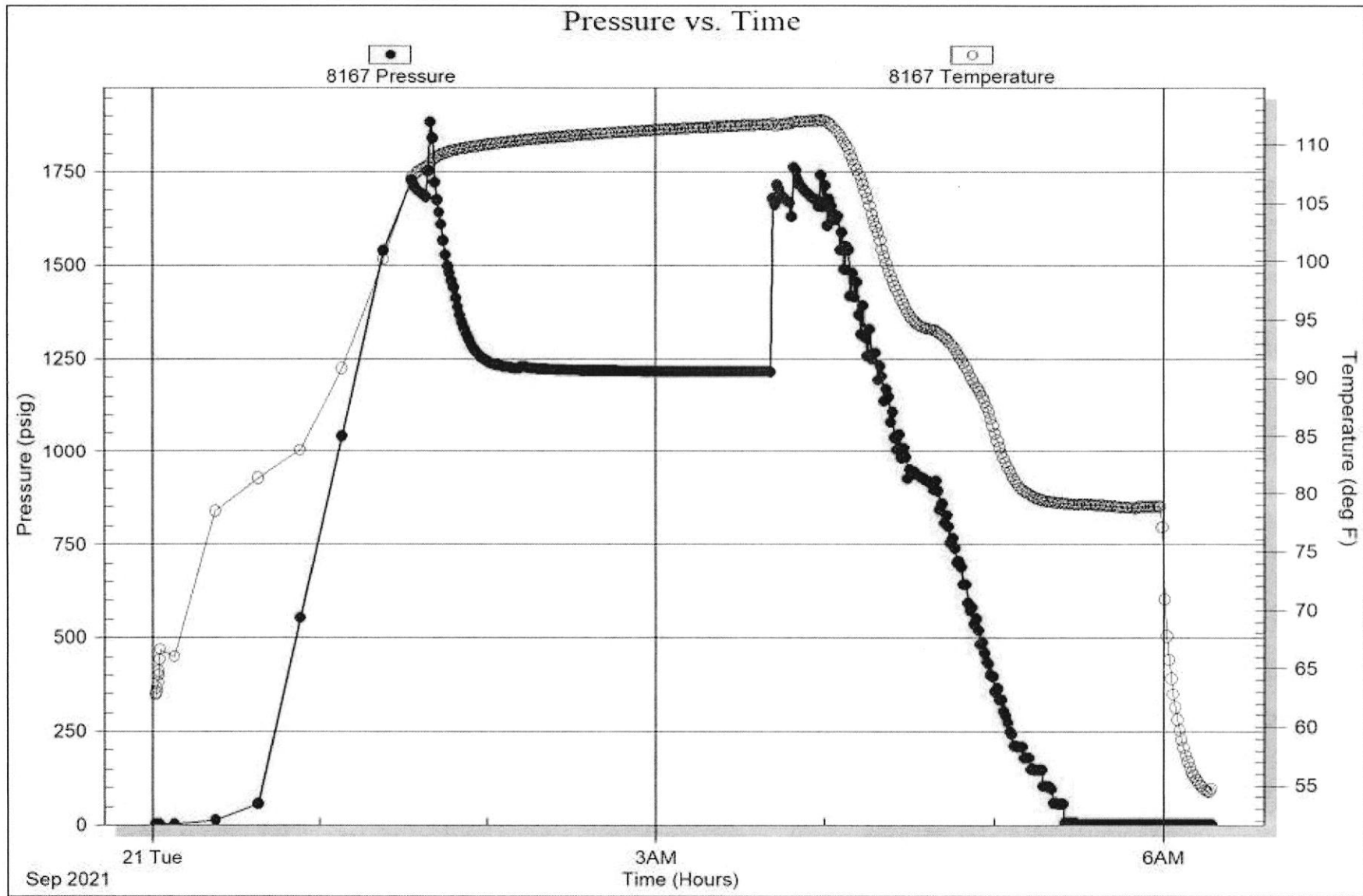
Laboratory Name:

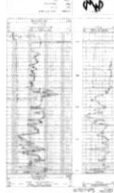
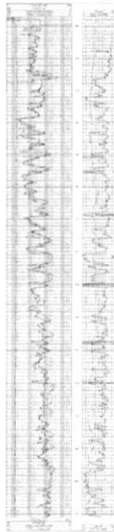
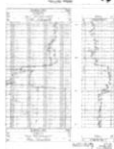
Laboratory Location:

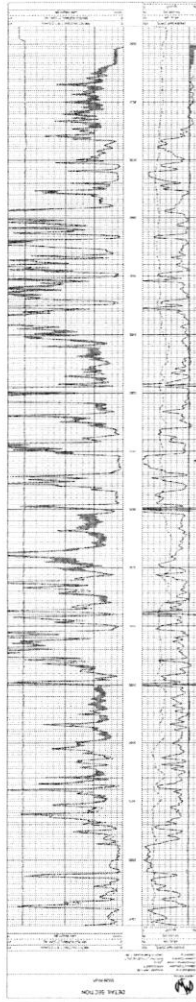
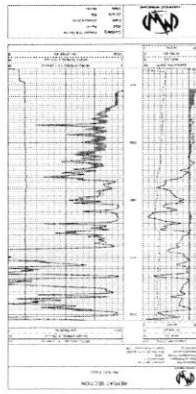
Recovery Comments: 2# LCM









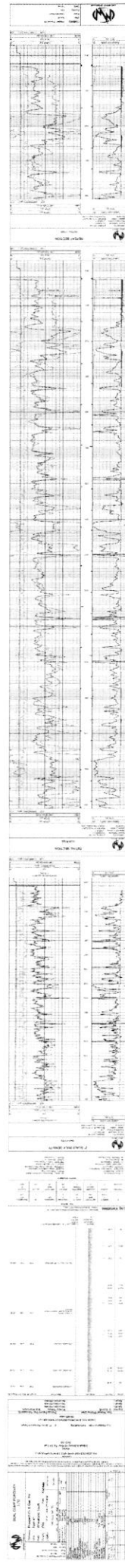


Depth (ft)	Gamma Ray	Resistivity	Formation
0	100	100	Shale
1000	100	100	Shale
2000	100	100	Shale
3000	100	100	Shale
4000	100	100	Shale
5000	100	100	Shale
6000	100	100	Shale
7000	100	100	Shale
8000	100	100	Shale
9000	100	100	Shale
10000	100	100	Shale



Depth (ft)	Gamma Ray	Resistivity	Formation
0	100	100	Shale
1000	100	100	Shale
2000	100	100	Shale
3000	100	100	Shale
4000	100	100	Shale
5000	100	100	Shale
6000	100	100	Shale
7000	100	100	Shale
8000	100	100	Shale
9000	100	100	Shale
10000	100	100	Shale





# BRAD HUTCHINSON

116 EVES DRIVE  
RUSSELL, KANSAS 67665

785-483-0492

## GEOLOGIST'S REPORT

### DRILLING TIME AND SAMPLE LOG

COMPANY PROSPECT OIL & GAS, INC.

LEASE Rein #1

FIELD Wheatland South

LOCATION 1490' FSL, 1540 FEL

SEC 19 TWSP 15S RGE 17W

COUNTY ELLIS STATE KANSAS

#### ELEVATIONS

KB 1995'

DF \_\_\_\_\_

GL 1987'

Measurements Are All  
From Kelly Bushing

CONTRACTOR Discovery Drilling

SPUD 9-14-2021 COMP 9-20-2021

RTD 3650 LTD 3652

MUD UP 2900' TYPE MUD CHEMICAL

CASING  
SURFACE 8 5/8" @ 1154'  
PRODUCTION 4 1/2" @ 3644'

ELECTRICAL SURVEYS  
CNL/CDL DIL  
MEL

SAMPLES SAVED FROM 3000' TO RTD

DRILLING TIME KEPT FROM 2900' TO RTD

SAMPLES EXAMINED FROM 3000' TO RTD

GEOLOGICAL SUPERVISION FROM 3000' TO RTD

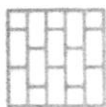

GEOLOGIST ON WELL Brad J. Hutchison

FORMATION TOPS	LOG	SAMPLES
<u>Anhydrite</u>	<u>1148 (+847)</u>	
<u>Topeka</u>	<u>3014 (+1019)</u>	
<u>Heebner</u>	<u>3246 (-1251)</u>	
<u>Toronto</u>	<u>3264 (-1269)</u>	
<u>LKC</u>	<u>3297 (-1302)</u>	
<u>Conglomerate</u>	<u>3548 (-1553)</u>	
<u>ARBuckle</u>	<u>3568 (-1573)</u>	
<u>Electric log Total Depth</u>	<u>3652 (-1657)</u>	

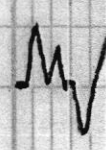
		19	

REMARKS

LEGEND

-  Anhydrite
-  Salt
-  Sandstone
-  Shale
-  Carb sh
-  Limestone
-  Ool. Lime
-  Chert
-  Dolomite

	LITHOLOGY	DEPTH	DRILLING TIME Logarithmic Scale)	SAMPLE DESCRIPTIONS	REMARKS
		1100	30		
		50			
		2500			



HOWARD 2962 (-967)

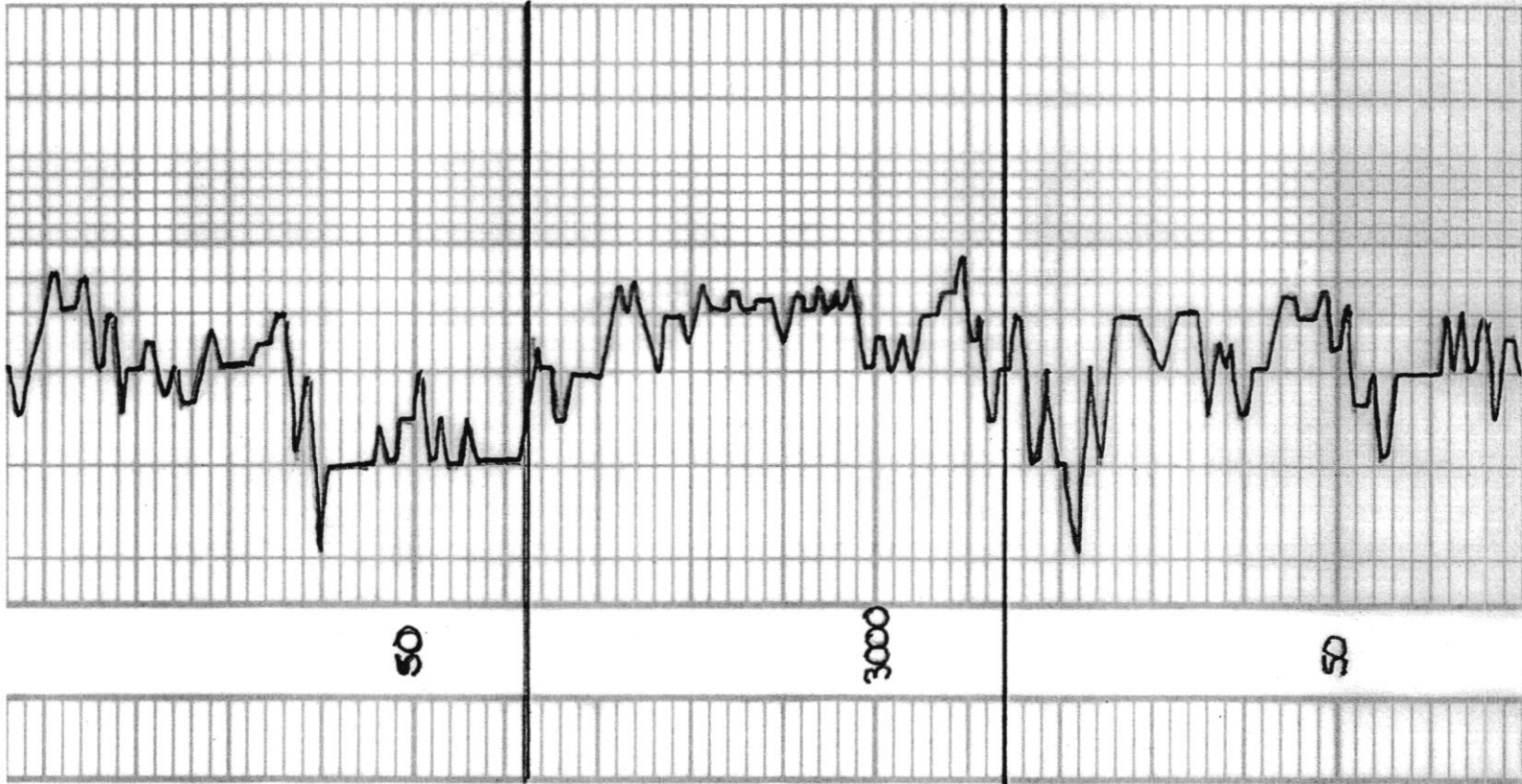
TOPEKA 3014 (-1019)

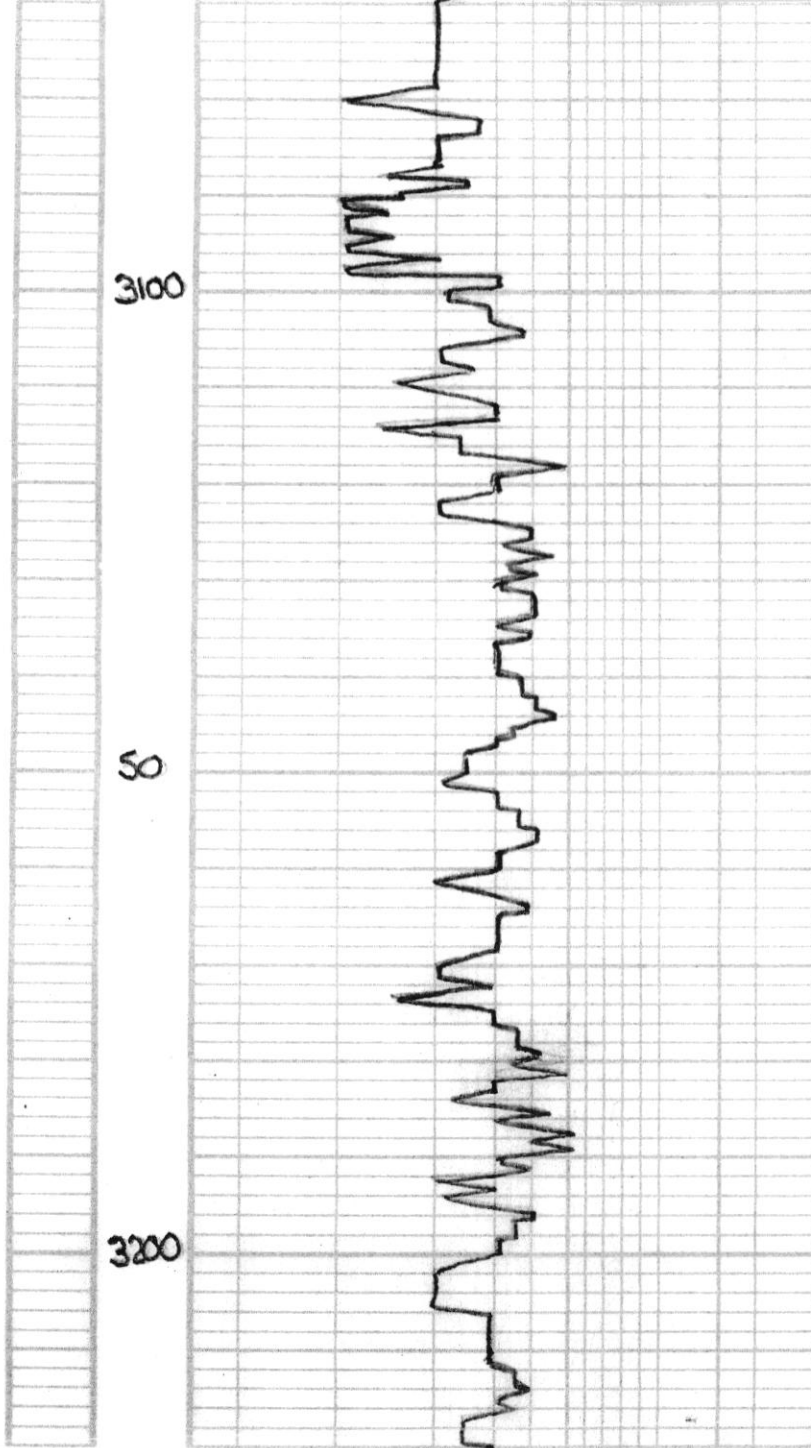
U.S. FBSS - BUFF FRXL 51 PP  
-NB-

sh gry

W5 gry dep 6000.1

U.S. BUFF - GFLX HIGHLY F000  
3000 PP 8' F0XL -NB-





ls gry chalky  
gry sh a.a.

blk-gry  $\Delta$

sh blk carb

ls crk-wht chalky  
Foss.,  
chalky

ls Dse AA Foss  
 $\Delta$ y

ls A.A

A.A.

sh blk carb

ls WHT-CRK  
Highly chalky

ls & gry sh a.a

A.A.

ls crk-wht FINE- chalky  
to sh (1-2 pc) NFO OR



odor  
abundant WHT CHALK

AA

HB. 3244 (-1249)

sh blk carb.,

sh gry reddish brn  
gryish-grn.,

AA

TOP 3264 (-1269)

LS 4 gry - buff FNXL  
FOSS. TR SPT LT BEN -

NFO or odor  
LS CRM - WHT DOE  
FNXL - ND -

sh red gry grn  
micaceous SILTY

LSG. 3296 (-1301)

LS CRM FNXL OOL-FOSS  
W/ abundant WHT CHALKS  
- ND -

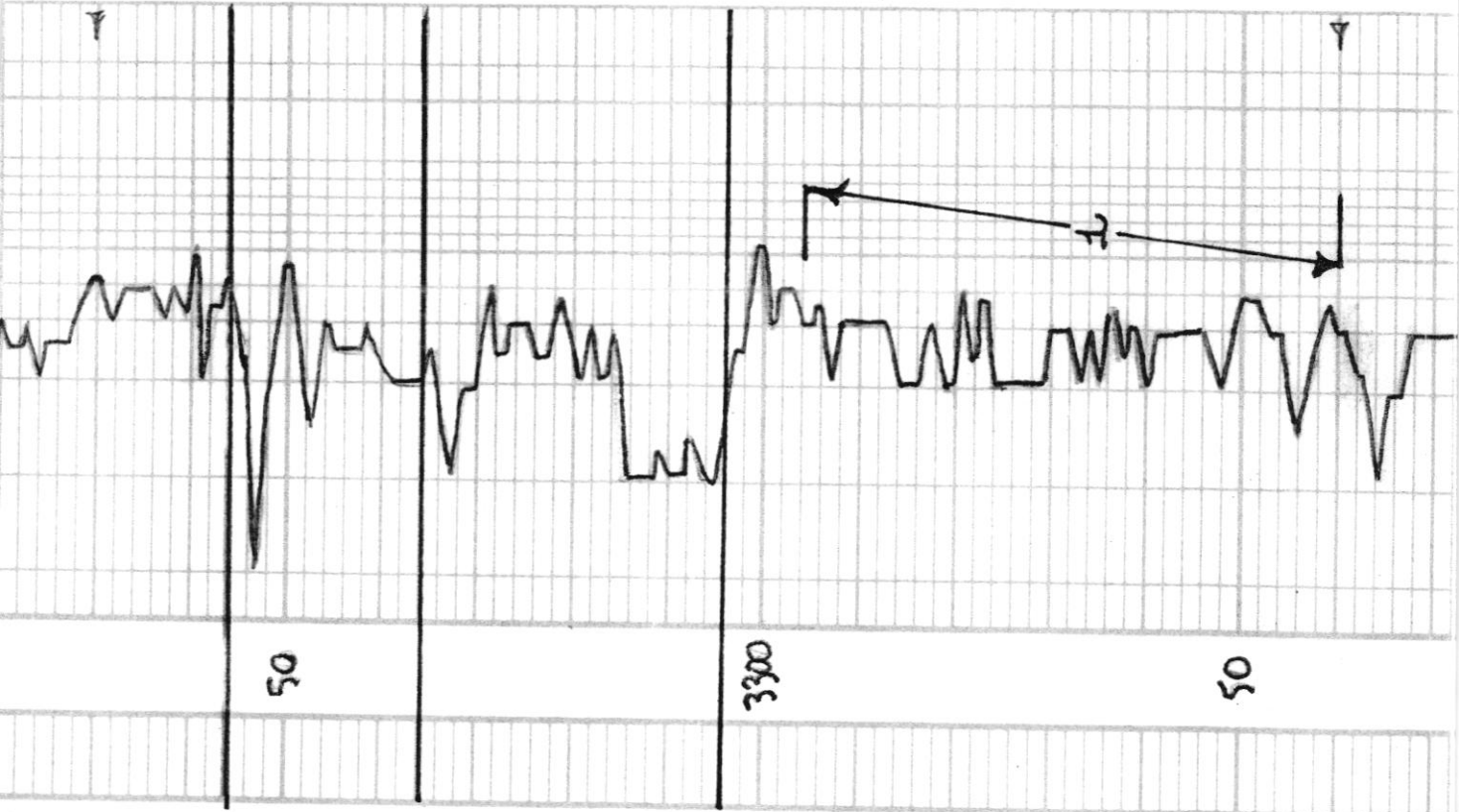
sh gry

LS DELOMITIC FNXL  
DOE ND

LS 4 gry FNXL - FOS SPT  
FR WHT PIPE FOS SPT  
SPT FR WHT CHALK, TR FO  
W/ FR odor

sh blk carb.,

LS buff FNXL highly ool-  
FOSS TR SPT INT OOL  
TR SPT Rare grn ? odor  
NFO



DST-1 3304-3360  
30 · 30 · 30 · 30  
BWS: BOB  
REG: 78' GAS  
1' clean oil  
63' W/M  
108' OIL speckled mud  
SIP 398-358 poi  
FP 46-68 poi  
73-88 psi  
HCH 1593-1483 poi



CHART PROFILE

L5 LT BRN-gry FNXL  
ool. 1) 9d ool. (barren)  
ND

same AA -ND -

L5 gry DSe. 1

SH blk carb

L5 GRH-BUFF Δ  
abund milky WHT Δ

adund gry sh.

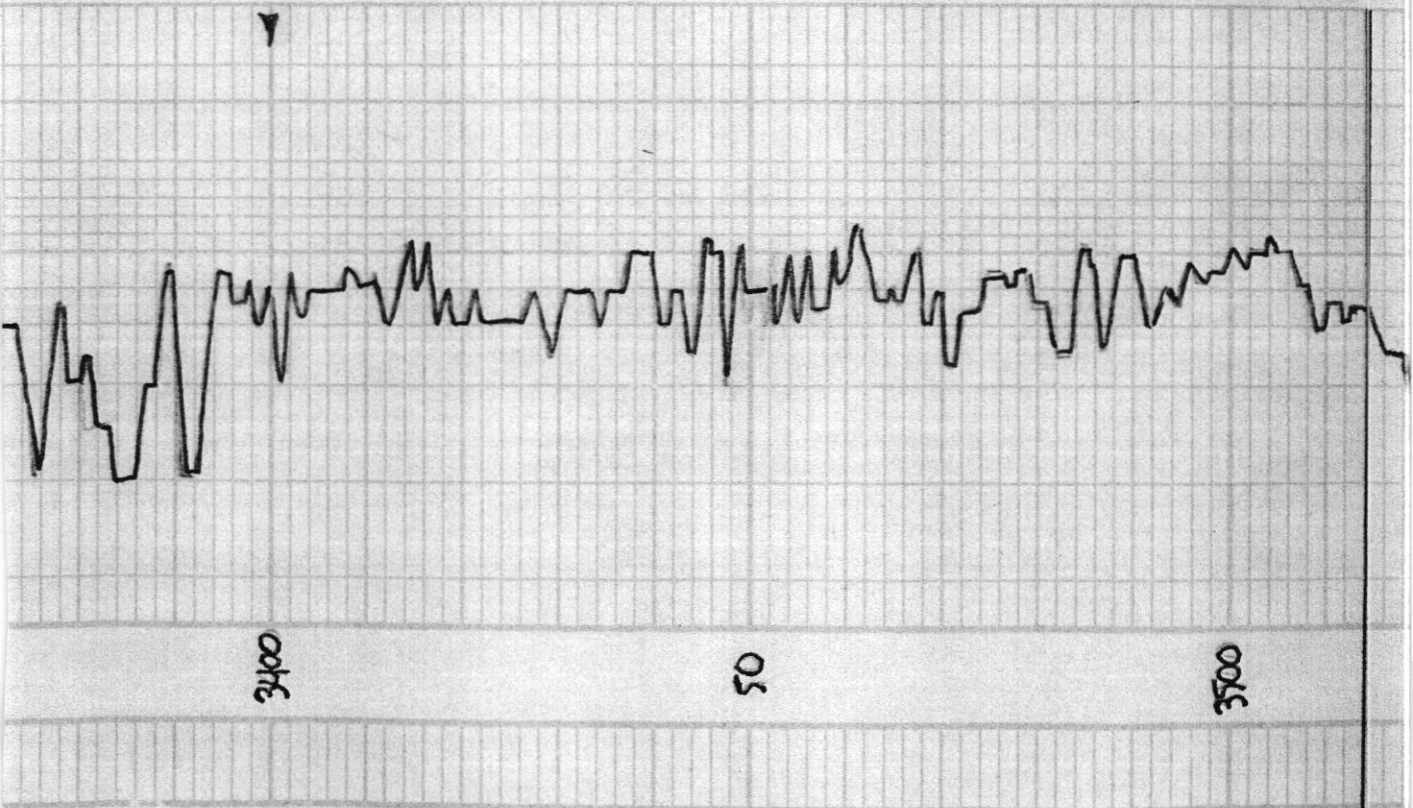
L5 buff-H gry DSe-

L5 H gry DSe sl foss  
1-2 pc spt of yug p' + rarb  
spt spt 1-2 pc NFO of ool

L5 WHT-CFM chunky  
TR blk sil stn.  
inc gry sh. 1

L5 WHT FNXL ool  
plus abund WHT chunk

BKC 3514 (-1519)





A.A.  
 CGL. 3550 (-1595)  
 sh blood red, tr ye Δ  
 A.A.  
 sh gry-grn gumbo  
 ARP. 3660 (-1571)  
 det. lt gry dsc TR SPT str  
 dol. lt gry mdxt few ps  
 sh sandy fr. silt int. xl-9  
 fr bed. (brn-dic str wk-9  
 fr S.F.O. FR odor  
 dol. lt gry MD-52 XL (rhombic)  
 gd silt in xl of FR SFO  
 gr brn-bk str gd odor

dolo. buff - lt gry mdxt  
 silt fr int xl-9 TR  
 str TR blk gibberic Ser pipe  
 fr Fo. F odor  
 oil shows decreasing

dolo gry - tn MD XL-53  
 TR str. gd int xl-9  
 same A.A.  
 A.A.

DST-2 3574-3590  
 30' 30' 45' 45'  
 IF. 4"  
 FF. 3 3/4"  
 REC. 45' CLEAR OIL  
 30' MCD  
 ISIP. 734 PSI  
 FSI P. 738 PSI  
 FP. (18-29)(30-37) PSI  
 HBK 1744-1625 PSI



CHART PROFILE

DST-3 3574-3600  
 30' 30' 30' 30'  
 IF. BOB. 18"  
 FF. BOB. 24"  
 REC. 81' GAS  
 10' CLEAR OIL  
 79' MW  
 208' MCUS  
 ISIP 928 PSI  
 FSI P. 825 PSI  
 FP (21-88)(97-144)  
 HBK 1810-1642



CHART PROFILE



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2443

Date	9-21-21	Sec.	19	Twp.	15	Range	17	County	Ellis	State	Ks	On Location		Finish	8:00 pm
------	---------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	---------

Lease Rein Well No. 1 Location Town 5 to chatach Gold 15 ± W

Contractor Discovery Owner To Quality Oilwell Cementing, Inc.  
Type Job Long Strings You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 7 7/8 T.D. 3650 Charge To Prospect oil & Gas  
Csg. 4 1/2 11.6\* Depth 3648 Street

Tbg. Size Depth City State  
Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 44 Shoe Joint 44 Cement Amount Ordered 190# 10% salt  
Meas Line Displace 55.8 5# Gils out 500 Gal Flush

EQUIPMENT				Common
Pumptrk	16	No.	Cement Helper	190
			Driver	Poz. Mix
Bulktrk		No.	Driver	Gel.
Bulktrk		No.	Driver	Calcium

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt <u>14</u>
Rat Hole	<u>30</u>	Flowseal
Mouse Hole	<u>15</u>	Kol-Seal <u>800#</u>
Centralizers		Mud CLR 48 <u>500 gal</u>
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
pipe out e	<u>3648</u>	Handling <u>212</u>
Shoe J#	<u>44</u>	Mileage
Insert	<u>3604</u>	

FLOAT EQUIPMENT	
pump 500 Gal Flush	Guide Shoe
Cent w/ <u>145#</u>	Centralizer <u>5</u>
pump plus w/ <u>55.8 bbls</u>	Baskets <u>1</u>
Low Plug e <u>1200#</u>	AFU Inserts
Float did hold	Float Shoe <u>1</u>
	Latch Down <u>1</u>

Signature [Signature] Pumptrk Charge prod string  
Mileage 15  
Thanks

X	Signature	Tax
		Discount
		Total Charge

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2437

Date	9-15-21	Sec.	19	Twp.	15	Range	17	County	Ellis	State	KS	On Location		Finish	2:15 PM
------	---------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	---------

Location *Tolon & SW*

Lease	<i>Rein</i>	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<i>Discovery</i>				
Type Job	<i>SURFACE</i>				
Hole Size	<i>12 1/4</i>	T.D.	<i>1154</i>	Charge To	<i>PROSPECT OIL</i>
Csg.	<i>8 5/8</i>	Depth	<i>1153</i>	Street	
Tbg. Size		Depth		City	State
Tool		Depth	<i>40.16</i>	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	<i>40.76</i>	Shoe Joint	<i>39.19</i>	Cement Amount Ordered	<i>425x 80/20 3-2</i>
Meas Line		Displace	<i>702.34</i>		

**EQUIPMENT**

Pumptrk	17	No.	Cementer		Common	<i>340</i>
			Helper	<i>Bill</i>	Poz. Mix	<i>85</i>
Bulktrk		No.	Driver	<i>Craig</i>	Gel.	<i>8</i>
Bulktrk	21	No.	Driver	<i>Jordan</i>	Calcium	<i>15</i>

**JOB SERVICES & REMARKS**

Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
<i>Pipe set @ 1153</i>		Sand	
<i>Cent w/ 425x</i>		Handling	<i>448</i>
<i>Pump plug w/ 70# bbs</i>		Mileage	
<i>Cent did CIRC <del>70#</del></i>			

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	<i>1- 8 5/8 plug</i>
	<i>1- 8 5/8 Baffle Plate</i>
Pumptrk Charge	<i>Long Surface</i>
Mileage	<i>15 (min)</i>

Signature <i>[Signature]</i>	Tax	
	Discount	
	Total Charge	

*Thanks*